Drilling Mud Report(Off Shore)

Engineer: K.Kuroda, H.Ikeda

No. 3

Date: 11, May, 2009

TOTAL Depth(MSL): m

Company: MQJ

Well Name: Nan Tro SEIZE Stage.2

BRT Depth: m, SSL Depth: m

Casing Program			Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	in	m	Riser Vol. (bbls):	Pump No.1 (l/st): 0.00	DP Size (in):	Suface to Bit :
Intermediate	in	m	CSG Vol. (bbls):	Pump No.2 (l/st): 0.00	DC1 Size (in):	Bottom's Up :
Intermediate	in	m	B/Hole Vol. (bbls):	Pump No.3 (l/st): 0.00	DC2 Size (in):	Surf to Surf :
Intermediate	in	m	Disp Vol. (bbls):	P/Speed No.1 (spm):	A/Vel DP (ft/min):	System Total :
Intermediate	in	m	T/Circ Vol. (bbls):	P/Speed No.2 (spm):	A/Vel DC1(ft/min):	
Production	in	m	Pit Vol. (bbls):	P/Speed No.3 (spm):	A/Vel Riser(ft/min):	P/ Press(Mpa) :
			Bit Size (inch):	Rate (gal/min):		

Mud Type:	Mud Properties						Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling :)			9:30				Tel-Bar(Bulk)	20,700	20,700	848,700
Depth (m)			kill mud				Kunigel-VO(Bulk)			
Mud Weight (SG/PPG)			1.30	10.8			NaOH	25	25	3,750
Funnel Viscosity(sec./qt.)			65				KOH			
A.V(cps) at / cent.			/ 47				Lime			
P.V(cps)			/ 31				Soda Ash			
Y.V(lb/100ft^2)			/ 32				Tel-Polymer(H)			
10"Gel(lb/100ft^2)			/ 11				Tel-Polymer(L)			
10'Gel(lb/100ft^2)			/ 18				Tel-Polymer(DX)			
API Filtrate(cc/30min.)							XCD Polymer	125	125	312,500
Cake Thickness(mm)							Xan-Vis			
pH(-)			10.7				NaCl(Bag)			
Pf(cc)							KCl(Bag)			
Pm(cc)							Clean Lube(L)			
Mf(cc)							Clean Lube			
Cl$^-$(mg/l)							Tel-Clean			
Sand Content(%)							Lignate NC			
Oil Content(% Vol.)							Telnite GXL			
Solid Content(% Vol.)							Baracor 100			
M.B.C.(cc/cc.mud)							Telnite OS-5			
Temperature(in/out cent.)			28				Bi-Carbonate			
HT-HP Filtrate(cc)							Treat HS			
HT-HP Filtrate Cake(mm)							EZ Spot			
K$^+$(mg/l)							Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)							Speeder(X)			
n Value(600rpm/300rpm)			0.58				Tel-DD			
k Value(600rpm/300rpm)			1.72				Deformer No.30C			
LGS/Drill Solids(% Vol.)							Tel-Stop(G)			
							Tel-Stop(P)			
							Tel-Mica(C)			
							Tel-Mica(M)			
							Tel-Mica(F)			
							Tel-Plug(C)			
							Tel-Plug(M)			
							Tel-Plug(F)			
							CaCl2(without water)			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
9:30	28	94	63				

Well Summary

Loading materials and equipment.

Recommendation

Mixed 68kl of 1.30sg kill mud (Use 6% Pre-hydrated gel mud).

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	1,164,950
Total Cost	1,164,950

MATERIALS REPORT

NO. 3

Well Name: Nan Tro SEIZE Stage.2

DATE: 11. May. 09

TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			200,000k	
Storage #2	Barite		25,000kg	0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			80,000kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			6,000kg	
D/Tank #2	Barite	25,000kg	20,700t	4,300kg	
Bar/Surge #1	Barite				
Bar/Surge #2	Barite				
Gel Surge	Bentonite				

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 200,000k	Barite 0kg	Barite	Barite	Bentonite 80,000kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 6,000kg	Barite 4,300kg	Barite	Barite	Bentonite

Total Bulk Tank W.T. 290,300kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000			20,700	20,700	848,700	204,300	
Kunigel-VO(Bulk)	47,500		86,000						86,000	
NaOH	150,000		4,725			25	25	3,750	4,700	
KOH	330,000									
Lime	41,600		3,800						3,800	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400			125	125	312,500	1,275	
Xan-Vis	2,500,000									
NaCl(Bag)	40,000		30,000						30,000	
KCl(Bag)	150,000									
Clean Lube(L)	580,000									
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000									
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 3

DATE 11, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	kill mud	1.30sg	68.0KL	68.0KL	1.5KL	
Active #2	6% Bentonite mud	1.03sg	60.0KL	60.0KL	1.5KL	
Active #3	6% Bentonite mud	1.03sg	69.0KL	69.0KL	1.5KL	
Active #4	Dirty Drill water	1.00sg	53.0KL	53.0KL	1.5KL	
Active #5	Drill water	1.00sg	49.7KL	49.7KL	1.5KL	for mix NaCl
Active #6	Seawater	1.03sg	39.0KL	39.0KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Chemical Tank

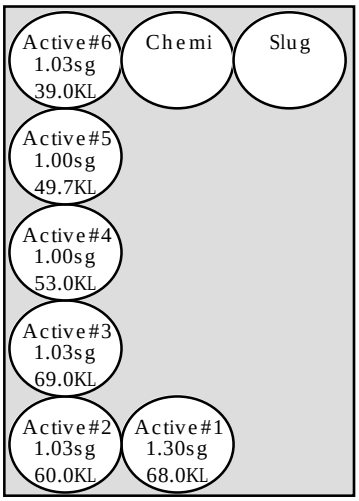
Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	200,00	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	80,000	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	6,000k	
Daily Tank #2	Barite	4,300k	
Bar/Surge #1	Barite		
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite		

Chemical Tank Total WT 290.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1					3.8KL	
Reserve #2					3.8KL	
Reserve #3					3.8KL	
Reserve #4					3.8KL	
Reserve #5					3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						



Mud Tank Total WT 364.1 ton

Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000	20,700	20,700	204,300	
Kunigel-VO(Bulk)		86,000			86,000	
NaOH		4,725	25	25	4,700	
KOH						
Lime		3,800			3,800	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400	125	125	1,275	
Xan-Vis						
NaCl(Bag)		30,000			30,000	
KCl(Bag)						
Clean Lube(L)						
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD						
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 74.8 ton

Total Weight 729.2 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Telnite

Engineer: K.Kuroda, H.Ikeda

No. 4 | Date: 12, May, 2009 | TOTAL Depth(MSL): m

Company: MQJ | Well Name: Nan Tro SEIZE Stage.2 | BRT Depth: m, SSL Depth: m

Casing Program			Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	in	m	Riser Vol. (bbls):	Pump No.1 (l/st): 0.00	DP Size (in):	Suface to Bit :
Intermediate	in	m	CSG Vol. (bbls):	Pump No.2 (l/st): 0.00	DC1 Size (in):	Bottom's Up :
Intermediate	in	m	B/Hole Vol. (bbls):	Pump No.3 (l/st): 0.00	DC2 Size (in):	Surf to Surf :
Intermediate	in	m	Disp Vol. (bbls):	P/Speed No.1 (spm):	A/Vel DP (ft/min):	System Total :
Intermediate	in	m	T/Circ Vol. (bbls):	P/Speed No.2 (spm):	A/Vel DC1(ft/min):	
Production	in	m	Pit Vol. (bbls):	P/Speed No.3 (spm):	A/Vel Riser(ft/min):	P/ Press(Mpa) :
			Bit Size (inch):	Rate (gal/min):		

Mud Type:	Mud Properties		
Time (Sampling :)		24:00	
Depth (m)		kill mud	
Mud Weight (SG/PPG)		1.30 10.8	
Funnel Viscosity(sec./qt.)		89	
A.V(cps) at / cent.		/ 64	
P.V(cps)		/ 48	
Y.V(lb/100ft^2)		/ 32	
10"Gel(lb/100ft^2)		/ 14	
10'Gel(lb/100ft^2)		/ 31	
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)		11.2	
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)		25	
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)		0.68	
k Value(600rpm/300rpm)		1.17	
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)	43,000	63,700	1,763,000
Kunigel-VO(Bulk)			
NaOH	50	75	7,500
KOH			
Lime			
Soda Ash			
Tel-Polymer(H)			
Tel-Polymer(L)			
Tel-Polymer(DX)			
XCD Polymer	125	250	312,500
Xan-Vis			
NaCl(Bag)	18,000	18,000	720,000
KCl(Bag)			
Clean Lube(L)			
Clean Lube			
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD			
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
24:00	25		128	80			

Well Summary

Loading materials and equipment. Sail to location. Prepare to survey.

Recommendation

Mixed 309.2m3 of NaCl solution (Content of NaCl : 6%).
Mixed 60.5m3 of 1.30sg kill mud(Use 6% Pre-hydrated gel mud).

Total mixed 1.30sg kill mud : 128.5m3

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	2,803,000
Total Cost	3,967,950

MATERIALS REPORT

NO. 4

Well Name: Nan Tro SEIZE Stage.2

DATE: 12. May. 09

TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite		56,000kg	144,000k	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			80,000kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			6,000kg	
D/Tank #2	Barite	56,000kg	43,000t	17,300kg	
Bar/Surge #1	Barite	43,000kg	43,000t	0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite				

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 144,000k	Barite 0kg	Barite	Barite	Bentonite 80,000kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 6,000kg	Barite 17,300kg	Barite 0kg	Barite	Bentonite

Total Bulk Tank W.T. 247,300kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000			43,000	63,700	1,763,000	161,300	
Kunigel-VO(Bulk)	47,500		86,000						86,000	
NaOH	150,000		4,725			50	75	7,500	4,650	
KOH	330,000									
Lime	41,600		3,800						3,800	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400			125	250	312,500	1,150	
Xan-Vis	2,500,000									
NaCl(Bag)	40,000	12,000	42,000			18,000	18,000	720,000	24,000	
KCl(Bag)	150,000									
Clean Lube(L)	580,000									
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000									
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 4

DATE 12, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1				1.5KL	1.5KL	
Active #2				1.5KL	1.5KL	
Active #3	6% Bentonite mud	1.03sg	69.0KL	69.0KL	1.5KL	
Active #4	Dirty Drill water	1.00sg	53.0KL	53.0KL	1.5KL	
Active #5				1.5KL	1.5KL	
Active #6	Seawater	1.03sg	39.0KL	39.0KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	128.5KL	128.5KL	3.8KL	
Reserve #2					3.8KL	
Reserve #3	6% NaCl solution	1.03sg	153.3KL	153.3KL	3.8KL	
Reserve #4	6% NaCl solution	1.03sg	155.9KL	155.9KL	3.8KL	
Reserve #5					3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

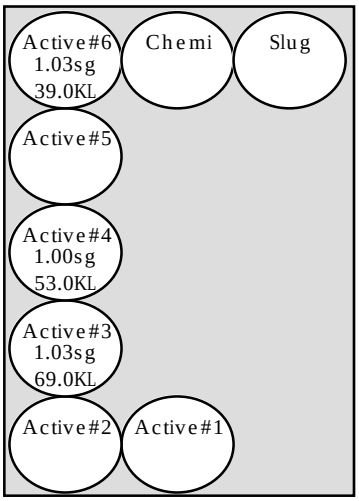
Mud Tank Total WT 649.8 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	144,00	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	80,000	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	6,000k	
Daily Tank #2	Barite	17,300	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite		

Chemical Tank Total WT 247.3 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000	43,000	63,700	161,300	
Kunigel-VO(Bulk)		86,000			86,000	
NaOH		4,725	50	75	4,650	
KOH						
Lime		3,800			3,800	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400	125	250	1,150	
Xan-Vis						
NaCl(Bag)	12,000	42,000	18,000	18,000	24,000	
KCl(Bag)						
Clean Lube(L)						
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD						
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 68.6 ton

Total Weight 965.7 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Engineer: K.Kuroda, H.Ikeda

No. 5

Date: 13, May, 2009

TOTAL Depth(MSL): m

Company: MQJ

Well Name: Nan Tro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program			Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	in	m	Riser Vol. (bbls) :	Pump No.1 (l/st) : 0.00	DP Size (in) :	Suface to Bit :
Intermediate	in	m	CSG Vol. (bbls) :	Pump No.2 (l/st) : 0.00	DC1 Size (in) :	Bottom's Up :
Intermediate	in	m	B/Hole Vol. (bbls) :	Pump No.3 (l/st) : 0.00	DC2 Size (in) :	Surf to Surf :
Intermediate	in	m	Disp Vol. (bbls) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in	m	T/Circ Vol. (bbls) :	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in	m	Pit Vol. (bbls) :	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
			Bit Size (inch) :	Rate (gal/min) :		

Mud Type:	Mud Properties		
Time (Sampling :)			
Depth (m)			
Mud Weight (SG/PPG)			
Funnel Viscosity(sec./qt.)			
A.V(cps) at / cent.		/	
P.V(cps)		/	
Y.V(lb/100ft^2)		/	
10"Gel(lb/100ft^2)		/	
10'Gel(lb/100ft^2)		/	
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)			
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)			
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)			
k Value(600rpm/300rpm)			
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)	28,940	92,640	1,186,540
Kunigel-VO(Bulk)	52,730	52,730	2,504,675
NaOH	50	125	7,500
KOH			
Lime			
Soda Ash			
Tel-Polymer(H)			
Tel-Polymer(L)			
Tel-Polymer(DX)			
XCD Polymer	150	400	375,000
Xan-Vis			
NaCl(Bag)		18,000	
KCl(Bag)			
Clean Lube(L)			
Clean Lube			
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD			
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm

Well Summary

Prepare to seabed survey. Dive ROV. Start survey operations with ROV.

Recommendation

Mixed 101m3 of 1.30sg kill mud.
Mixed 201.8m3 of Pre-hydrated gel mud (Bentonite : 12%)

Total mixed 1.30sg kill mud : 229.5m3

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	4,073,715
Total Cost	8,041,665

MATERIALS REPORT

NO. 5

Well Name: Nan Tro SEIZE Stage.2

DATE: 13. May. 09

TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite		16,500kg	127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite		67,000kg	13,000kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite	67,000kg	53,200t	19,800kg	
D/Tank #2	Barite	16,500kg	30,100t	3,700kg	
Bar/Surge #1	Barite	30,100kg	28,940t	1,160kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite	53,200kg	52,730t	470kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 13,000kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 19,800kg	Barite 3,700kg	Barite 1,160kg	Barite	Bentonite 470kg

Total Bulk Tank W.T. 165,630kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000			28,940	92,640	1,186,540	132,360	
Kunigel-VO(Bulk)	47,500		86,000			52,730	52,730	2,504,675	33,270	
NaOH	150,000		4,725			50	125	7,500	4,600	
KOH	330,000									
Lime	41,600		3,800						3,800	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400			150	400	375,000	1,000	
Xan-Vis	2,500,000									
NaCl(Bag)	40,000		42,000				18,000		24,000	
KCl(Bag)	150,000									
Clean Lube(L)	580,000									
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000									
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 5

DATE 13, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	kill mud	1.30sg	48.3KL	48.3KL	1.5KL	
Active #2	Pre-hydrated gel	1.05sg	67.6KL	67.6KL	1.5KL	
Active #3				1.5KL	1.5KL	
Active #4	Seawater	1.03sg	53.0KL	53.0KL	1.5KL	
Active #5				1.5KL	1.5KL	
Active #6	Seawater	1.03sg	39.0KL	39.0KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Chemical Tank

Unit(kg)

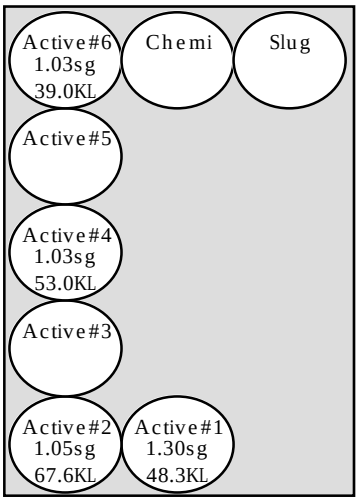
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	13,000kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	19,800kg	
Daily Tank #2	Barite	3,700kg	
Bar/Surge #1	Barite	1,160kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	470kg	

Chemical Tank Total WT 165.6 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Pre-hydrated gel	1.05sg	134.2KL	134.2KL	3.8KL	
Reserve #3	6% NaCl solution	1.03sg	153.3KL	153.3KL	3.8KL	
Reserve #4	6% NaCl solution	1.03sg	155.9KL	155.9KL	3.8KL	
Reserve #5					3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 923.5 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000	28,940	92,640	132,360	
Kunigel-VO(Bulk)		86,000	52,730	52,730	33,270	
NaOH		4,725	50	125	4,600	
KOH						
Lime		3,800			3,800	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400	150	400	1,000	
Xan-Vis						
NaCl(Bag)		42,000		18,000	24,000	
KCl(Bag)						
Clean Lube(L)						
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD						
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 68.4 ton

Total Weight 1,157.5 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Engineer: K.Kuroda, H.Ikeda

No. 6

Date: 14, May, 2009

TOTAL Depth(MSL): m

Company: MQJ

Well Name: Nan Tro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program			Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	in	m	Riser Vol. (bbls) :	Pump No.1 (l/st) : 0.00	DP Size (in) :	Suface to Bit :
Intermediate	in	m	CSG Vol. (bbls) :	Pump No.2 (l/st) : 0.00	DC1 Size (in) :	Bottom's Up :
Intermediate	in	m	B/Hole Vol. (bbls) :	Pump No.3 (l/st) : 0.00	DC2 Size (in) :	Surf to Surf :
Intermediate	in	m	Disp Vol. (bbls) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in	m	T/Circ Vol. (bbls) :	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in	m	Pit Vol. (bbls) :	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
			Bit Size (inch) :	Rate (gal/min) :		

Mud Type:	Mud Properties				Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling :)		9:00	23:30		Tel-Bar(Bulk)	3,860	96,500	158,260
Depth (m)		Pre-hy	kill mud		Kunigel-VO(Bulk)	20,500	73,230	973,750
Mud Weight (SG/PPG)		1.06 8.8	1.30 10.8		NaOH		125	
Funnel Viscosity(sec./qt.)		300	97		KOH			
A.V(cps) at / cent.		/			Lime			
P.V(cps)		/			Soda Ash			
Y.V(lb/100ft^2)		/			Tel-Polymer(H)			
10"Gel(lb/100ft^2)		/			Tel-Polymer(L)			
10'Gel(lb/100ft^2)		/			Tel-Polymer(DX)			
API Filtrate(cc/30min.)					XCD Polymer		400	
Cake Thickness(mm)					Xan-Vis			
pH(-)					NaCl(Bag)		18,000	
Pf(cc)					KCl(Bag)			
Pm(cc)					Clean Lube(L)			
Mf(cc)					Clean Lube			
Cl$^-$(mg/l)					Tel-Clean			
Sand Content(%)					Lignate NC			
Oil Content(% Vol.)					Telnite GXL			
Solid Content(% Vol.)					Baracor 100			
M.B.C.(cc/cc.mud)					Telnite OS-5			
Temperature(in/out cent.)					Bi-Carbonate			
HT-HP Filtrate(cc)					Treat HS			
HT-HP Filtrate Cake(mm)					EZ Spot			
K$^+$(mg/l)					Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)					Speeder(X)			
n Value(600rpm/300rpm)					Tel-DD			
k Value(600rpm/300rpm)					Deformer No.30C			
LGS/Drill Solids(% Vol.)					Tel-Stop(G)			
					Tel-Stop(P)			
					Tel-Mica(C)			
					Tel-Mica(M)			
					Tel-Mica(F)			
					Tel-Plug(C)			
					Tel-Plug(M)			
					Tel-Plug(F)			
					CaCl2(without water)			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
9:00							
23:30							

Well Summary

Survey operations.

Recommendation

Mixed 12m3 of 1.30sg kill mud.
Mixed 115.8m3 of 12% Pre-hydrated gel.

Total mixed 1.30sg kill mud : 241.5m3
Total mixed 12% Pre-hydrated gel : 317.6m3

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	1,132,010
Total Cost	9,173,675

MATERIALS REPORT

NO. 6

Well Name: Nan Tro SEIZE Stage.2

DATE: 14. May. 09

TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite		2,000kg	11,000kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite	2,000kg	21,500t	300kg	
D/Tank #2	Barite		2,700t	1,000kg	
Bar/Surge #1	Barite	2,700kg	3,860t	0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite	21,500kg	20,500t	1,470kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 11,000kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 300kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 1,470kg

Total Bulk Tank W.T. 141,270kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000			3,860	96,500	158,260	128,500	
Kunigel-VO(Bulk)	47,500		86,000			20,500	73,230	973,750	12,770	
NaOH	150,000		4,725				125		4,600	
KOH	330,000									
Lime	41,600		3,800						3,800	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000									
NaCl(Bag)	40,000		42,000				18,000		24,000	
KCl(Bag)	150,000									
Clean Lube(L)	580,000									
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000									
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 6

DATE 14, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	12%Pre-hydrated gel	1.05sg	68.1KL	68.1KL	1.5KL	
Active #3	12%Pre-hydrated gel	1.05sg	68.8KL	68.8KL	1.5KL	
Active #4	Seawater	1.03sg	53.0KL	53.0KL	1.5KL	
Active #5				1.5KL	1.5KL	
Active #6	Seawater	1.03sg	39.0KL	39.0KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Chemical Tank

Unit(kg)

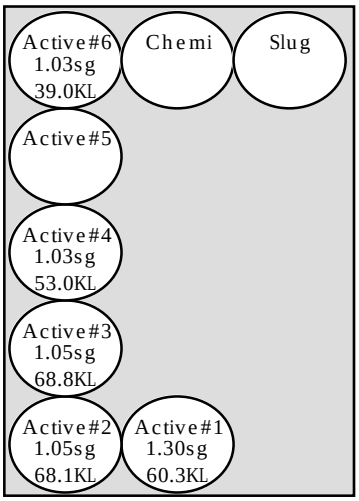
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	11,000kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	300kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	1,470kg	

Chemical Tank Total WT 141.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	180.7KL	180.7KL	3.8KL	
Reserve #3	6% NaCl solution	1.03sg	153.3KL	153.3KL	3.8KL	
Reserve #4	6% NaCl solution	1.03sg	155.9KL	155.9KL	3.8KL	
Reserve #5					3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1060.7 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000	3,860	96,500	128,500	
Kunigel-VO(Bulk)		86,000	20,500	73,230	12,770	
NaOH		4,725		125	4,600	
KOH						
Lime		3,800			3,800	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis						
NaCl(Bag)		42,000		18,000	24,000	
KCl(Bag)						
Clean Lube(L)						
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD						
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 68.4 ton

Total Weight 1,270.4 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Engineer: K.Kuroda, H.Ikeda

No. 7

Date: 15, May, 2009

TOTAL Depth(MSL): m

Company: MQJ

Well Name: Nan Tro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program			Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	in	m	Riser Vol. (bbls) :	Pump No.1 (l/st) : 0.00	DP Size (in) :	Suface to Bit :
Intermediate	in	m	CSG Vol. (bbls) :	Pump No.2 (l/st) : 0.00	DC1 Size (in) :	Bottom's Up :
Intermediate	in	m	B/Hole Vol. (bbls) :	Pump No.3 (l/st) : 0.00	DC2 Size (in) :	Surf to Surf :
Intermediate	in	m	Disp Vol. (bbls) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in	m	T/Circ Vol. (bbls) :	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in	m	Pit Vol. (bbls) :	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
			Bit Size (inch) :	Rate (gal/min) :		

Mud Type:	Mud Properties		
Time (Sampling :)			
Depth (m)			
Mud Weight (SG/PPG)			
Funnel Viscosity(sec./qt.)			
A.V(cps) at / cent.		/	
P.V(cps)		/	
Y.V(lb/100ft^2)		/	
10"Gel(lb/100ft^2)		/	
10'Gel(lb/100ft^2)		/	
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)			
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)			
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)			
k Value(600rpm/300rpm)			
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		96,500	
Kunigel-VO(Bulk)		73,230	
NaOH	250	375	37,500
KOH			
Lime	250	250	10,400
Soda Ash			
Tel-Polymer(H)			
Tel-Polymer(L)			
Tel-Polymer(DX)			
XCD Polymer		400	
Xan-Vis			
NaCl(Bag)		18,000	
KCl(Bag)			
Clean Lube(L)			
Clean Lube			
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD			
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm

Well Summary

Survey operations.

Recommendation

Mixwd 69.7m3 of Pre-mix seawater (5% of NaOH & 5% of Lime, This fluid will be used for mixing Seawater gel slurry).

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	47,900
Total Cost	9,221,575

MATERIALS REPORT

NO. 7

Well Name: Nan Tro SEIZE Stage.2

DATE: 15. May. 09

TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			11,000kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			300kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			1,470kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 11,000kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 300kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 1,470kg

Total Bulk Tank W.T. 141,270kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500		86,000				73,230		12,770	
NaOH	150,000		4,725			250	375	37,500	4,350	
KOH	330,000									
Lime	41,600		3,800			250	250	10,400	3,550	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000									
NaCl(Bag)	40,000		42,000				18,000		24,000	
KCl(Bag)	150,000	30,000	30,000						30,000	
Clean Lube(L)	580,000	8,000	8,000						8,000	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000									
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 7

DATE 15, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	12%Pre-hydrated gel	1.05sg	68.1KL	68.1KL	1.5KL	
Active #3	12%Pre-hydrated gel	1.05sg	68.8KL	68.8KL	1.5KL	
Active #4	Pre-mix seawater	1.03sg	34.7KL	34.7KL	1.5KL	for mix S/W gel
Active #5	Pre-mix seawater	1.03sg	35.0KL	35.0KL	1.5KL	for mix S/W gel
Active #6	Seawater	1.03sg	68.8KL	68.8KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Chemical Tank

Unit(kg)

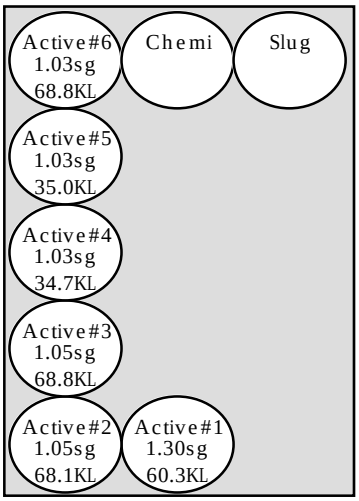
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	11,000kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	300kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	1,470kg	

Chemical Tank Total WT 141.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	180.7KL	180.7KL	3.8KL	
Reserve #3	6% NaCl solution	1.03sg	153.3KL	153.3KL	3.8KL	
Reserve #4	6% NaCl solution	1.03sg	155.9KL	155.9KL	3.8KL	
Reserve #5					3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1108.6 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)		86,000		73,230	12,770	
NaOH		4,725	250	375	4,350	
KOH						
Lime		3,800	250	250	3,550	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis						
NaCl(Bag)		42,000		18,000	24,000	
KCl(Bag)	30,000	30,000			30,000	
Clean Lube(L)	8,000	8,000			8,000	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD						
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 105.9 ton

Total Weight 1,355.8 ton

Made by : H.ikeda

Telnite

Drilling Mud Report(Off Shore)

Engineer: K.Kuroda, H.Ikeda

No. 8

Date: 16, May, 2009

TOTAL Depth(MSL): m

Company: MQJ

Well Name: Nan Tro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program			Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	in	m	Riser Vol. (bbls) :	Pump No.1 (l/st) : 0.00	DP Size (in) :	Suface to Bit :
Intermediate	in	m	CSG Vol. (bbls) :	Pump No.2 (l/st) : 0.00	DC1 Size (in) :	Bottom's Up :
Intermediate	in	m	B/Hole Vol. (bbls) :	Pump No.3 (l/st) : 0.00	DC2 Size (in) :	Surf to Surf :
Intermediate	in	m	Disp Vol. (bbls) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in	m	T/Circ Vol. (bbls) :	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in	m	Pit Vol. (bbls) :	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
			Bit Size (inch) :	Rate (gal/min) :		

Mud Type:	Mud Properties		
Time (Sampling :)			
Depth (m)			
Mud Weight (SG/PPG)			
Funnel Viscosity(sec./qt.)			
A.V(cps) at / cent.		/	
P.V(cps)		/	
Y.V(lb/100ft^2)		/	
10"Gel(lb/100ft^2)		/	
10'Gel(lb/100ft^2)		/	
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)			
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)			
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)			
k Value(600rpm/300rpm)			
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		96,500	
Kunigel-VO(Bulk)		73,230	
NaOH		375	
KOH			
Lime		250	
Soda Ash			
Tel-Polymer(H)			
Tel-Polymer(L)			
Tel-Polymer(DX)			
XCD Polymer		400	
Xan-Vis			
NaCl(Bag)		18,000	
KCl(Bag)	18,000	18,000	2,700,000
Clean Lube(L)			
Clean Lube			
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD			
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm

Well Summary

Perform surface test Mud motor/MWD. Pressure test schlunberger sensor on Stand pipe manifold. Pick up 36" conductor.

Recommendation

Add KCl to 6%NaCl solution (Content : 6% of KCl, 6% of NaCl)

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	2,700,000
Total Cost	11,921,575

MATERIALS REPORT

NO. 8

Well Name: Nan Tro SEIZE Stage.2

DATE: 16. May. 09

TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			11,000kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			300kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			1,470kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 11,000kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 300kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 1,470kg

Total Bulk Tank W.T. 141,270kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500		86,000				73,230		12,770	
NaOH	150,000		4,725				375		4,350	
KOH	330,000									
Lime	41,600		3,800				250		3,550	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000									
NaCl(Bag)	40,000		42,000				18,000		24,000	
KCl(Bag)	150,000		30,000			18,000	18,000	2,700,000	12,000	
Clean Lube(L)	580,000		8,000						8,000	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000									
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 8

DATE 16, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	12%Pre-hydrated gel	1.05sg	68.1KL	68.1KL	1.5KL	
Active #3	12%Pre-hydrated gel	1.05sg	68.8KL	68.8KL	1.5KL	
Active #4	Pre-mix seawater	1.03sg	35.7KL	35.7KL	1.5KL	for mix S/W gel
Active #5	Pre-mix seawater	1.03sg	34.0KL	34.0KL	1.5KL	for mix S/W gel
Active #6	Seawater	1.03sg	68.8KL	68.8KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Chemical Tank

Unit(kg)

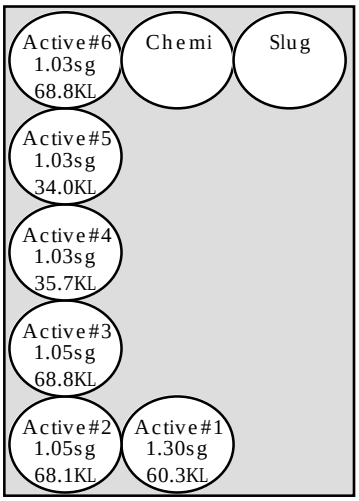
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	11,000kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	300kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	1,470kg	

Chemical Tank Total WT 141.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	180.7KL	180.7KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5					3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1124.9 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)		86,000		73,230	12,770	
NaOH		4,725		375	4,350	
KOH						
Lime		3,800		250	3,550	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis						
NaCl(Bag)		42,000		18,000	24,000	
KCl(Bag)		30,000	18,000	18,000	12,000	
Clean Lube(L)		8,000			8,000	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD						
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 87.9 ton

Total Weight 1,354.1 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Engineer: K.Kuroda, H.Ikeda

No. 10

Date: 18, May, 2009

TOTAL Depth(MSL): m

Company: MQJ

Well Name: Nan Tro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program			Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	in	m	Riser Vol. (bbls):	Pump No.1 (l/st): 19.45	DP Size (in): 5.5	Suface to Bit :
Intermediate	in	m	CSG Vol. (bbls):	Pump No.2 (l/st): 19.45	DC1 Size (in): 8.5	Bottom's Up :
Intermediate	in	m	B/Hole Vol. (bbls):	Pump No.3 (l/st): 19.45	DC2 Size (in):	Surf to Surf :
Intermediate	in	m	Disp Vol. (bbls):	P/Speed No.1 (spm):	A/Vel DP (ft/min):	System Total :
Intermediate	in	m	T/Circ Vol. (bbls):	P/Speed No.2 (spm):	A/Vel DC1(ft/min):	
Production	in	m	Pit Vol. (bbls):	P/Speed No.3 (spm):	A/Vel Riser(ft/min):	P/ Press(Mpa) :
			Bit Size (inch):	Rate (gal/min):		

Mud Type:	Mud Properties						Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling :)			15:00				Tel-Bar(Bulk)		96,500	
Depth (m)			SWG				Kunigel-VO(Bulk)	500	81,500	23,750
Mud Weight (SG/PPG)			1.04	8.7			NaOH		375	
Funnel Viscosity(sec./qt.)			175				KOH			
A.V(cps) at / cent.			/				Lime		250	
P.V(cps)			/				Soda Ash			
Y.V(lb/100ft^2)			/				Tel-Polymer(H)			
10"Gel(lb/100ft^2)			/				Tel-Polymer(L)			
10'Gel(lb/100ft^2)			/				Tel-Polymer(DX)			
API Filtrate(cc/30min.)							XCD Polymer		400	
Cake Thickness(mm)							Xan-Vis			
pH(-)							NaCl(Bag)		18,000	
Pf(cc)							KCl(Bag)		18,000	
Pm(cc)							Clean Lube(L)			
Mf(cc)							Clean Lube			
Cl^-(mg/l)							Tel-Clean			
Sand Content(%)							Lignate NC			
Oil Content(% Vol.)							Telnite GXL			
Solid Content(% Vol.)							Baracor 100			
M.B.C.(cc/cc.mud)							Telnite OS-5			
Temperature(in/out cent.)							Bi-Carbonate			
HT-HP Filtrate(cc)							Treat HS			
HT-HP Filtrate Cake(mm)							EZ Spot			
K^+(mg/l)							Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)							Speeder(X)			
n Value(600rpm/300rpm)							Tel-DD			
k Value(600rpm/300rpm)							Deformer No.30C			
LGS/Drill Solids(% Vol.)							Tel-Stop(G)			
							Tel-Stop(P)			
							Tel-Mica(C)			
							Tel-Mica(M)			
							Tel-Mica(F)			
							Tel-Plug(C)			
							Tel-Plug(M)			
							Tel-Plug(F)			
							CaCl2(without water)			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
15:00							

Well Summary

Run 36"conductor to 58m. RIH 36"conductor w/5-1/2"DP. Release DAT from 36"conductor housing. P/U 26"BHA & RIH to 77m. Engage DAT. Dive ROV. Mud mat latch engage in sleeve. Cont RIH to 1,046m. Install & test Schlumberger geologaph line. Cont RIH & tag seabed@2,082m. ROV back to surface & repair.

Recommendation

It appropriates a fraction with bentonite acceptance quantity for the report in today.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	23,750
Total Cost	12,314,400

MATERIALS REPORT

NO. 10

Well Name: Nan Tro SEIZE Stage.2

DATE: 18. May. 09

TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite	500kg	500kg	5,000kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite	500kg	500t	0kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite	500kg	500t	0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 5,000kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 0kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 133,500kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500	500	86,500			500	81,500	23,750	5,000	
NaOH	150,000		4,725				375		4,350	
KOH	330,000									
Lime	41,600		3,800				250		3,550	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000									
NaCl(Bag)	40,000		42,000				18,000		24,000	
KCl(Bag)	150,000		30,000				18,000		12,000	
Clean Lube(L)	580,000		8,000						8,000	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000									
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 10

DATE 18, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	12%Pre-hydrated gel	1.05sg	68.1KL	68.1KL	1.5KL	
Active #3	12%Pre-hydrated gel	1.05sg	68.8KL	68.8KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	67.7KL	67.7KL	1.5KL	
Active #5	Seawater gel slurry	1.04sg	67.0KL	67.0KL	1.5KL	
Active #6	Seawater	1.03sg	71.3KL	71.3KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Chemical Tank

Unit(kg)

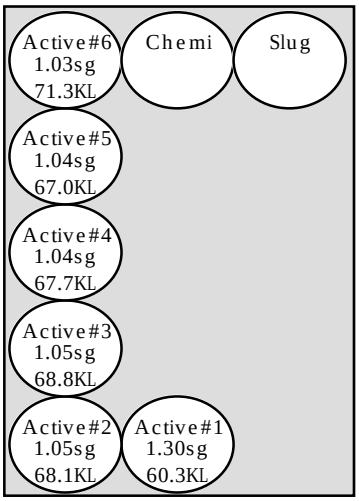
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	5,000kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 133.5 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	180.7KL	180.7KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5					3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1195.8 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)	500	86,500	500	81,500	5,000	
NaOH		4,725		375	4,350	
KOH						
Lime		3,800		250	3,550	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis						
NaCl(Bag)		42,000		18,000	24,000	
KCl(Bag)		30,000		18,000	12,000	
Clean Lube(L)		8,000			8,000	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD						
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 87.9 ton

Total Weight 1,417.2 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Telnite

Engineer: K.Kuroda, H.Ikeda

No. 11

Date: 19, May, 2009

TOTAL Depth(MSL): 2,108.2 m

Company: MQJ

Well Name: Nan Tro SEIZE Stage.2

BRT Depth: 2,136.5 m , SSL Depth: 54.5 m

Casing Program			Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	in	m	Riser Vol. (bbls) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit : 5
Intermediate	in	m	CSG Vol. (bbls) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up : 3
Intermediate	in	m	B/Hole Vol. (bbls) :	117	Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf : 9
Intermediate	in	m	Disp Vol. (bbls) :	27	P/Speed No.1 (spm) : 110	A/Vel DP (ft/min) : 42	
Intermediate	in	m	T/Circ Vol. (bbls) :	896	P/Speed No.2 (spm) : 110	A/Vel DC1(ft/min) : 45	System Total :
Production	in	m	Pit Vol. (bbls) :	664	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) : 25.2
			Bit Size (inch) :	36	Rate (gal/min) : 1,097		

Mud Type: Seawater gel slurry

Mud Properties		
Time (Sampling :)	11:00	23:30
Depth (m)	SWG	SWG
Mud Weight (SG/PPG)	1.04 8.7	1.04 8.7
Funnel Viscosity(sec./qt.)	185	168
A.V(cps) at / cent.	/62.5	64.5
P.V(cps)	/ 20	22
Y.V(lb/100ft^2)	/ 85	85
10"Gel(lb/100ft^2)	/ 60	23
10'Gel(lb/100ft^2)	/ 65	25
API Filtrate(cc/30min.)		
Cake Thickness(mm)		
pH(-)	10.2	11.9
Pf(cc)		
Pm(cc)		
Mf(cc)		
Cl^-(mg/l)		
Sand Content(%)		
Oil Content(% Vol.)		
Solid Content(% Vol.)		
M.B.C.(cc/cc.mud)		
Temperature(in/out cent.)	25	28
HT-HP Filtrate(cc)		
HT-HP Filtrate Cake(mm)		
K^+(mg/l)		
Ca^{++}/Mg^{++}(mg/l)		
n Value(600rpm/300rpm)	0.25	0.27
k Value(600rpm/300rpm)	21.88	19.91
LGS/Drill Solids(% Vol.)		

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		96,500	
Kunigel-VO(Bulk)		81,500	
NaOH	100	475	15,000
KOH			
Lime	100	350	4,160
Soda Ash			
Tel-Polymer(H)			
Tel-Polymer(L)			
Tel-Polymer(DX)			
XCD Polymer		400	
Xan-Vis			
NaCl(Bag)		18,000	
KCl(Bag)		18,000	
Clean Lube(L)			
Clean Lube			
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD			
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
11:00	25	125	105	98	89	75	68
23:30		129	107	98	87	32	24

Well Summary

Troubleshoot on ROV. Dive ROV. RIH to 2,082m. Spud in & drill 3m. ROV confirm bullseyes same. Cont jet in conductor to 2,136.5m w/sweep Seawater gel slurry every joint. Soak 36"conductor for 2hrs. Slack off. Ass'y snap.

Recommendation

Mixed 50.7m3 of Seawater gel slurry.
Used 79.9m3 of Seawater gel slurry.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	19,160
Total Cost	12,333,560

MATERIALS REPORT

NO. 11

Well Name: Nan Tro SEIZE Stage.2

DATE: 19. May. 09

TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			5,000kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 5,000kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 0kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 133,500kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500		86,500				81,500		5,000	
NaOH	150,000		4,725			100	475	15,000	4,250	
KOH	330,000									
Lime	41,600		3,800			100	350	4,160	3,450	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000									
NaCl(Bag)	40,000	15,000	57,000				18,000		39,000	
KCl(Bag)	150,000	10,000	40,000				18,000		22,000	
Clean Lube(L)	580,000		8,000						8,000	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000									
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 11

DATE 19, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	12%Pre-hydrated gel	1.05sg	68.1KL	68.1KL	1.5KL	
Active #3	12%Pre-hydrated gel	1.05sg	42.8KL	42.8KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	60.7KL	60.7KL	1.5KL	
Active #5	Seawater gel slurry	1.04sg	44.8KL	44.8KL	1.5KL	
Active #6	Seawater	1.03sg	65.6KL	65.6KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Chemical Tank

Unit(kg)

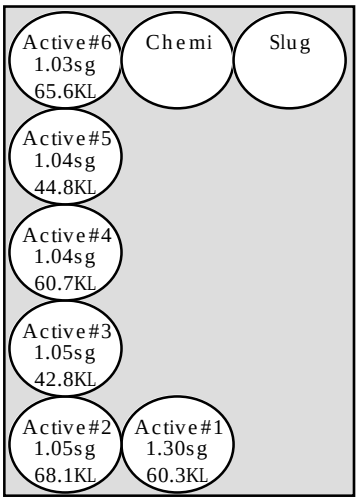
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	5,000kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 133.5 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	180.7KL	180.7KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5					3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1132.3 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)		86,500		81,500	5,000	
NaOH		4,725	100	475	4,250	
KOH						
Lime		3,800	100	350	3,450	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis						
NaCl(Bag)	15,000	57,000		18,000	39,000	
KCl(Bag)	10,000	40,000		18,000	22,000	
Clean Lube(L)		8,000			8,000	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD						
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 112.7 ton

Total Weight 1,378.5 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Engineer: K.Kuroda, H.Ikeda

No. 12 | Date: 20, May, 2009 | TOTAL Depth(MSL): 2,108.2 m

Company: MQJ | Well Name: Nan Tro SEIZE Stage.2 | BRT Depth: 2,136.5 m , SSL Depth: 54.5 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.5 m	Riser Vol. (bbls) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	in m	CSG Vol. (bbls) : 178		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (bbls) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (bbls) : 27		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (bbls) : 956		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (bbls) : 664		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) : 36		Rate (gal/min) :		

Mud Type: Seawater gel slurry	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling :)	13:30	Tel-Bar(Bulk)		96,500	
Depth (m)	SWG	Kunigel-VO(Bulk)		81,500	
Mud Weight (SG/PPG)	1.04 8.7	NaOH		475	
Funnel Viscosity(sec./qt.)	168	KOH			
A.V(cps) at / cent.	/	Lime		350	
P.V(cps)	/	Soda Ash			
Y.V(lb/100ft^2)	/	Tel-Polymer(H)			
10"Gel(lb/100ft^2)	/	Tel-Polymer(L)			
10'Gel(lb/100ft^2)	/	Tel-Polymer(DX)			
API Filtrate(cc/30min.)		XCD Polymer		400	
Cake Thickness(mm)		Xan-Vis			
pH(-)		NaCl(Bag)		18,000	
Pf(cc)		KCl(Bag)		18,000	
Pm(cc)		Clean Lube(L)			
Mf(cc)		Clean Lube			
Cl^-(mg/l)		Tel-Clean			
Sand Content(%)		Lignate NC			
Oil Content(% Vol.)		Telnite GXL			
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)		Telnite OS-5			
Temperature(in/out cent.)		Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS			
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)		Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)		Speeder(X)			
n Value(600rpm/300rpm)		Tel-DD			
k Value(600rpm/300rpm)		Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)			
		CaCl2(without water)			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
13:30							

Well Summary

Troubleshoot parted X-O and devise plan for BHA recovery. ROV back to surface. Change out tools. Dive ROV. Attempt to lock anti rotation key. ROV back to surface. Change out tools. Fabricate anti rotation key & stopper pin. Dive ROV. Install plug & anti rotation pin. Backed out damaged 6-5/8" connection. Move ship 50m of location. POOH to 1,603m.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	12,333,560

MATERIALS REPORT

NO. 12

Well Name: Nan Tro SEIZE Stage.2

DATE: 20. May. 09

TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			5,000kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 5,000kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 0kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 133,500kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500		86,500				81,500		5,000	
NaOH	150,000		4,725				475		4,250	
KOH	330,000	300	300						300	
Lime	41,600		3,800				350		3,450	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000	1,400	1,400						1,400	
NaCl(Bag)	40,000		57,000				18,000		39,000	
KCl(Bag)	150,000	10,000	50,000				18,000		32,000	
Clean Lube(L)	580,000	6,400	14,400						14,400	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000	1,600	1,600						1,600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 12

DATE 20, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	12%Pre-hydrated gel	1.05sg	68.1KL	68.1KL	1.5KL	
Active #3	12%Pre-hydrated gel	1.05sg	42.8KL	42.8KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	60.7KL	60.7KL	1.5KL	
Active #5	Seawater gel slurry	1.04sg	44.8KL	44.8KL	1.5KL	
Active #6	Seawater	1.03sg	65.6KL	65.6KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Chemical Tank

Unit(kg)

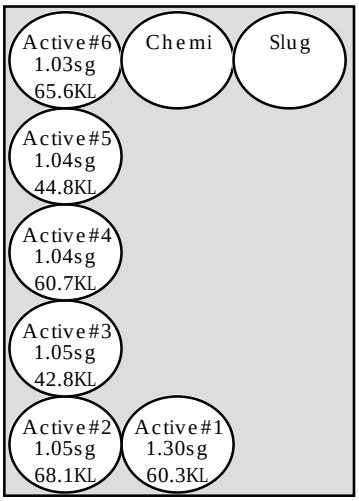
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	5,000kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 133.5 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	180.7KL	180.7KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5					3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1132.3 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)		86,500		81,500	5,000	
NaOH		4,725		475	4,250	
KOH	300	300			300	
Lime		3,800		350	3,450	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis	1,400	1,400			1,400	
NaCl(Bag)		57,000		18,000	39,000	
KCl(Bag)	10,000	50,000		18,000	32,000	
Clean Lube(L)	6,400	14,400			14,400	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD	1,600	1,600			1,600	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 132.4 ton

Total Weight 1,398.2 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Engineer: K.Kuroda, H.Ikeda

No. 13 | Date: 21, May, 2009 | TOTAL Depth(MSL): 2,108.2 m

Company: MQJ | Well Name: Nan Tro SEIZE Stage.2 | BRT Depth: 2,136.5 m , SSL Depth: 54.5 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.5 m	Riser Vol. (bbls) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	in m	CSG Vol. (bbls) :	178	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (bbls) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (bbls) :	27	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (bbls) :	956	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (bbls) :	664	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :	36	Rate (gal/min) :		

Mud Type: Seawater gel slurry

Mud Properties						
Time (Sampling :)			9:00			
Depth (m)			SWG			
Mud Weight (SG/PPG)			1.04	8.7		
Funnel Viscosity(sec./qt.)			153			
A.V(cps) at / cent.			/			
P.V(cps)			/			
Y.V(lb/100ft^2)			/			
10"Gel(lb/100ft^2)			/			
10'Gel(lb/100ft^2)			/			
API Filtrate(cc/30min.)						
Cake Thickness(mm)						
pH(-)						
Pf(cc)						
Pm(cc)						
Mf(cc)						
Cl^-(mg/l)						
Sand Content(%)						
Oil Content(% Vol.)						
Solid Content(% Vol.)						
M.B.C.(cc/cc.mud)						
Temperature(in/out cent.)						
HT-HP Filtrate(cc)						
HT-HP Filtrate Cake(mm)						
K^+(mg/l)						
Ca^{++}/Mg^{++}(mg/l)						
n Value(600rpm/300rpm)						
k Value(600rpm/300rpm)						
LGS/Drill Solids(% Vol.)						

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		96,500	
Kunigel-VO(Bulk)		81,500	
NaOH		475	
KOH			
Lime		350	
Soda Ash			
Tel-Polymer(H)			
Tel-Polymer(L)			
Tel-Polymer(DX)			
XCD Polymer		400	
Xan-Vis			
NaCl(Bag)		18,000	
KCl(Bag)		18,000	
Clean Lube(L)			
Clean Lube			
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD			
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
9:00							

Well Summary

POOH. M/U Fishing Ass'y & RIH.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	12,333,560

MATERIALS REPORT

NO. 13

Well Name: Nan Tro SEIZE Stage.2

DATE: 21. May. 09

TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite	30,000kg		35,000kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 35,000kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 0kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 163,500kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500	30,000	116,500				81,500		35,000	
NaOH	150,000		4,725				475		4,250	
KOH	330,000		300						300	
Lime	41,600		3,800				350		3,450	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		1,400						1,400	
NaCl(Bag)	40,000		57,000				18,000		39,000	
KCl(Bag)	150,000		50,000				18,000		32,000	
Clean Lube(L)	580,000		14,400						14,400	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600						1,600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 13

DATE 21, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	12%Pre-hydrated gel	1.05sg	68.1KL	68.1KL	1.5KL	
Active #3	12%Pre-hydrated gel	1.05sg	42.8KL	42.8KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	60.7KL	60.7KL	1.5KL	
Active #5	Seawater gel slurry	1.04sg	44.8KL	44.8KL	1.5KL	
Active #6	Seawater	1.03sg	65.6KL	65.6KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Chemical Tank

Unit(kg)

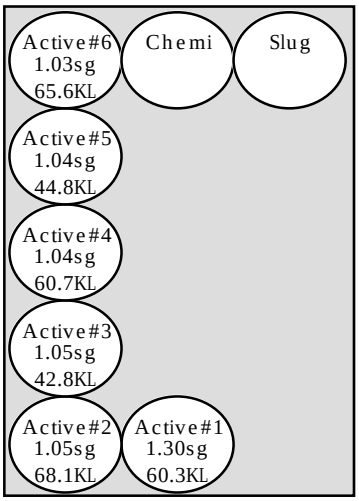
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	35,000kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 163.5 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	180.7KL	180.7KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5					3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1132.3 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)	30,000	116,500		81,500	35,000	
NaOH		4,725		475	4,250	
KOH		300			300	
Lime		3,800		350	3,450	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis		1,400			1,400	
NaCl(Bag)		57,000		18,000	39,000	
KCl(Bag)		50,000		18,000	32,000	
Clean Lube(L)		14,400			14,400	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600			1,600	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 132.4 ton

Total Weight 1,428.2 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Engineer: K.Kuroda / H.Maruyma

No. 14 | Date: 22, May, 2009 | TOTAL Depth(MSL): 2,108.2 m

Company: MQJ | Well Name: Nan Tro SEIZE Stage.2 | BRT Depth: 2,136.5 m , SSL Depth: 54.5 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.5 m	Riser Vol. (bbls) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	in m	CSG Vol. (bbls) :	178	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (bbls) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (bbls) :	27	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (bbls) :	956	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (bbls) :	664	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :	36	Rate (gal/min) :		

Mud Type: Seawater gel slurry

Mud Properties		
Time (Sampling :)	13:00	
Depth (m)	SWG	
Mud Weight (SG/PPG)	1.04	8.7
Funnel Viscosity(sec./qt.)	161	
A.V(cps) at / cent.	/	
P.V(cps)	/	
Y.V(lb/100ft^2)	/	
10"Gel(lb/100ft^2)	/	
10'Gel(lb/100ft^2)	/	
API Filtrate(cc/30min.)		
Cake Thickness(mm)		
pH(-)		
Pf(cc)		
Pm(cc)		
Mf(cc)		
Cl^-(mg/l)		
Sand Content(%)		
Oil Content(% Vol.)		
Solid Content(% Vol.)		
M.B.C.(cc/cc.mud)		
Temperature(in/out cent.)		
HT-HP Filtrate(cc)		
HT-HP Filtrate Cake(mm)		
K^+(mg/l)		
Ca^{++}/Mg^{++}(mg/l)		
n Value(600rpm/300rpm)		
k Value(600rpm/300rpm)		
LGS/Drill Solids(% Vol.)		

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		96,500	
Kunigel-VO(Bulk)		81,500	
NaOH		475	
KOH			
Lime		350	
Soda Ash			
Tel-Polymer(H)			
Tel-Polymer(L)			
Tel-Polymer(DX)			
XCD Polymer		400	
Xan-Vis			
NaCl(Bag)		18,000	
KCl(Bag)		18,000	
Clean Lube(L)			
Clean Lube			
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD			
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
13:00							

Well Summary

Cont RIH Fishing BHA. POOH for snapped on taper tap. Check the fish top condition by ROV. Prepare Fishing BHA and RIH to 2,078m. Skid rig 50m. Attempt to catch the over fish w/rotation.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	12,333,560

MATERIALS REPORT

NO. 14

Well Name: Nan Tro SEIZE Stage.2

DATE: 22. May. 09

TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			35,000kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 35,000kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 0kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 163,500kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500		117,080				81,500		35,580	
NaOH	150,000		4,725				475		4,250	
KOH	330,000		300						300	
Lime	41,600		3,800				350		3,450	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		1,400						1,400	
NaCl(Bag)	40,000		57,000				18,000		39,000	
KCl(Bag)	150,000		50,000				18,000		32,000	
Clean Lube(L)	580,000		14,400						14,400	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600						1,600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 14

DATE 22, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	12%Pre-hydrated gel	1.05sg	68.1KL	68.1KL	1.5KL	
Active #3	12%Pre-hydrated gel	1.05sg	42.8KL	42.8KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	60.7KL	60.7KL	1.5KL	
Active #5	Seawater gel slurry	1.04sg	44.8KL	44.8KL	1.5KL	
Active #6	Seawater	1.03sg	65.6KL	65.6KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	180.7KL	180.7KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5					3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

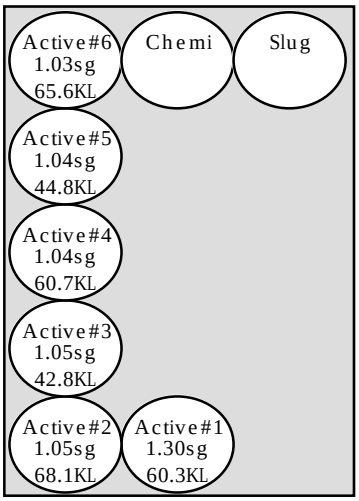
Mud Tank Total WT 1132.3 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	35,000kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 163.5 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)		117,080		81,500	35,580	
NaOH		4,725		475	4,250	
KOH		300			300	
Lime		3,800		350	3,450	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis		1,400			1,400	
NaCl(Bag)		57,000		18,000	39,000	
KCl(Bag)		50,000		18,000	32,000	
Clean Lube(L)		14,400			14,400	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600			1,600	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 132.4 ton

Total Weight 1,428.2 ton

Made by : H.maruyma

Drilling Mud Report(Off Shore)

Engineer H.Maruyma

No. 15 | Date 23, May, 2009 | TOTAL Depth(MSL) 2,108.2 m

Company MQJ | Well Name Nan Tro SEIZE Stage.2 | BRT Depth: 2,136.5 m , SSL Depth: 54.5 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.5 m	Riser Vol. (bbls) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	in m	CSG Vol. (bbls) : 178		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (bbls) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (bbls) : 27		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	
Intermediate	in m	T/Circ Vol. (bbls) : 956		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	System Total :
Production	in m	Pit Vol. (bbls) : 664		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) : 36		Rate (gal/min) :		

Mud Type: Seawater gel slurry

Mud Properties				Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling :)	11:30	18:30		Tel-Bar(Bulk)		96,500	
Depth (m)	SWG	SWG		Kunigel-VO(Bulk)		81,500	
Mud Weight (SG/PPG)	1.04 8.7	1.04 8.7		NaOH		475	
Funnel Viscosity(sec./qt.)	163	170		KOH			
A.V(cps) at / cent.	/			Lime		350	
P.V(cps)	/			Soda Ash			
Y.V(lb/100ft^2)	/			Tel-Polymer(H)			
10"Gel(lb/100ft^2)	/			Tel-Polymer(L)			
10'Gel(lb/100ft^2)	/			Tel-Polymer(DX)			
API Filtrate(cc/30min.)				XCD Polymer		400	
Cake Thickness(mm)				Xan-Vis			
pH(-)				NaCl(Bag)		18,000	
Pf(cc)				KCl(Bag)		18,000	
Pm(cc)				Clean Lube(L)			
Mf(cc)				Clean Lube			
Cl$^-$(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL			
Solid Content(% Vol.)				Baracor 100			
M.B.C.(cc/cc.mud)				Telnite OS-5			
Temperature(in/out cent.)				Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS			
HT-HP Filtrate Cake(mm)				EZ Spot			
K$^+$(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)				Tel-DD			
k Value(600rpm/300rpm)				Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)			
				CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
11:30							
18:30							

Well Summary

Cont attempt to catch the over fish.
POOH with BHA and recover fish on surface.
M/U 26" Drlg BHA and RIH.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	12,333,560

MATERIALS REPORT

NO. 15

Well Name: Nan Tro SEIZE Stage.2

DATE: 23. May. 09

TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			35,000kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 35,000kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 0kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 163,500kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500		117,080				81,500		35,580	
NaOH	150,000		4,725				475		4,250	
KOH	330,000		300						300	
Lime	41,600		3,800				350		3,450	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		1,400						1,400	
NaCl(Bag)	40,000		57,000				18,000		39,000	
KCl(Bag)	150,000		50,000				18,000		32,000	
Clean Lube(L)	580,000		14,400						14,400	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600						1,600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 15

DATE 23, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	12%Pre-hydrated gel	1.05sg	68.1KL	68.1KL	1.5KL	
Active #3	12%Pre-hydrated gel	1.05sg	42.8KL	42.8KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	60.7KL	60.7KL	1.5KL	
Active #5	Seawater gel slurry	1.04sg	44.8KL	44.8KL	1.5KL	
Active #6	Seawater	1.03sg	65.6KL	65.6KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Chemical Tank

Unit(kg)

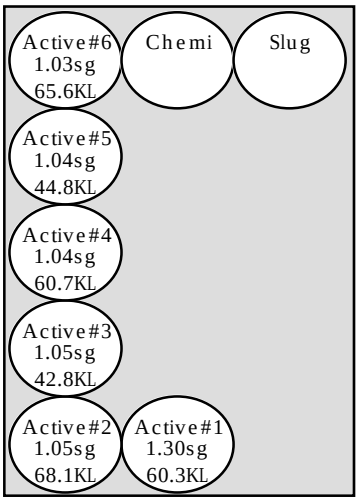
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	35,000kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 163.5 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	180.7KL	180.7KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5					3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1132.3 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)		117,080		81,500	35,580	
NaOH		4,725		475	4,250	
KOH		300			300	
Lime		3,800		350	3,450	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis		1,400			1,400	
NaCl(Bag)		57,000		18,000	39,000	
KCl(Bag)		50,000		18,000	32,000	
Clean Lube(L)		14,400			14,400	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600			1,600	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 132.4 ton

Total Weight 1,428.2 ton

Made by : H.maruyma

Telnite

Drilling Mud Report(Off Shore)

Engineer H.Maruyma

No. 16

Date 24, May, 2009

TOTAL Depth(MSL) 2,508.7 m

Company MQJ

Well Name Nan Tro SEIZE Stage.2

BRT Depth: 2,537.0 m , SSL Depth: 455.0 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.5 m	Riser Vol. (bbls) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit : 7
Intermediate	in m	CSG Vol. (bbls) : 178		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up : 41
Intermediate	in m	B/Hole Vol. (bbls) : 863		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf : 48
Intermediate	in m	Disp Vol. (bbls) : 36		P/Speed No.1 (spm) : 69	A/Vel DP (ft/min) : 39	
Intermediate	in m	T/Circ Vol. (bbls) : 1,924		P/Speed No.2 (spm) : 69	A/Vel DC1(ft/min) : 42	System Total :
Production	in m	Pit Vol. (bbls) : 750		P/Speed No.3 (spm) : 69	A/Vel Riser(ft/min) :	P/ Press(Mpa) : 21.8
		Bit Size (inch) : 36		Rate (gal/min) : 1,032		

Mud Type: Seawater gel slurry	Mud Properties		
Time (Sampling :)		9:20	18:30
Depth (m)		SWG	SWG
Mud Weight (SG/PPG)		1.04 8.7	1.04 8.7
Funnel Viscosity(sec./qt.)		300	194
A.V(cps) at / cent.		/ 44	60
P.V(cps)		/ 18	20
Y.V(lb/100ft^2)		/ 52	80
10"Gel(lb/100ft^2)		/ 50	67
10'Gel(lb/100ft^2)		/ 112	89
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)		10.1	10.5
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)		26	27
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)		0.33	0.26
k Value(600rpm/300rpm)		8.94	19.40
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		96,500	
Kunigel-VO(Bulk)	12,620	94,120	599,450
NaOH	400	875	60,000
KOH			
Lime	400	750	16,640
Soda Ash			
Tel-Polymer(H)			
Tel-Polymer(L)			
Tel-Polymer(DX)			
XCD Polymer		400	
Xan-Vis			
NaCl(Bag)		18,000	
KCl(Bag)		18,000	
Clean Lube(L)			
Clean Lube			
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD			
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
9:20	26	88	70	62	52	50	50
18:30		120	100	89	78	70	66

Well Summary

Cont RIH 26" Drlg BHA. Move ship over well center. Stab 26"BIT into 36" Well head.
RIH and Tag BTM @2,137.4m. Pick up 2m off BTM. Circ and clean hole. Sweep 5m3 of Hi-vis mud. Drill 26" hole f/ 2,137.4 t/2,537m. Sweep 5m3 of Hi-vis mud every joint.

Recommendation

Mixed 116m3 of 12% pre-hy gel.
Mixed 242m3 of Seawater gel slurry.
Used 228.3m3 of Seawater gel slurry.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	676,090
Total Cost	13,009,650

MATERIALS REPORT

NO. 16

Well Name Nan Tro SEIZE Stage.2

DATE 24. May. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite		25,100kg	9,900kg	for pre-hy
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite	25,100kg	15,900t	9,200kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite	15,900kg	12,620t	3,280kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 9,900kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 9,200kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 3,280kg

Total Bulk Tank W.T. 150,880kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500		116,500			12,620	94,120	599,450	22,380	
NaOH	150,000		4,725			400	875	60,000	3,850	
KOH	330,000		300						300	
Lime	41,600		3,800			400	750	16,640	3,050	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		1,400						1,400	
NaCl(Bag)	40,000		57,000				18,000		39,000	
KCl(Bag)	150,000		50,000				18,000		32,000	
Clean Lube(L)	580,000		14,400						14,400	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600						1,600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 16

DATE 24, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	12%Pre-hydrated gel	1.05sg	69.7KL	69.7KL	1.5KL	
Active #3	12%Pre-hydrated gel	1.05sg	34.8KL	34.8KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	69.6KL	69.6KL	1.5KL	
Active #5	Seawater gel slurry	1.04sg	49.6KL	49.6KL	1.5KL	
Active #6	Seawater	1.03sg	65.6KL	65.6KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Chemical Tank

Unit(kg)

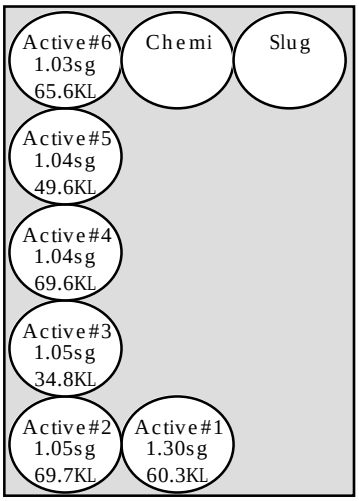
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	9,900kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	9,200kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	3,280kg	

Chemical Tank Total WT 150.9 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	180.7KL	180.7KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5					3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1139.8 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)		116,500	12,620	94,120	22,380	
NaOH		4,725	400	875	3,850	
KOH		300			300	
Lime		3,800	400	750	3,050	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis		1,400			1,400	
NaCl(Bag)		57,000		18,000	39,000	
KCl(Bag)		50,000		18,000	32,000	
Clean Lube(L)		14,400			14,400	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600			1,600	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 131.6 ton

Total Weight 1,422.3 ton

Made by : H.maruyma

Drilling Mud Report(Off Shore)

Telnite

No. 17 | Date 25, May, 2009 | Engineer H.Maruyma

Company MQJ | Well Name Nan Tro SEIZE Stage.2 | TOTAL Depth(MSL) 2,766.7 m | BRT Depth: 2,795.0 m , SSL Depth: 713.0 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	36 in 2,136.5 m	Riser Vol. (bbls) :		Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	9
Intermediate	in m	CSG Vol. (bbls) :	178	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8.5	Bottom's Up :	73
Intermediate	in m	B/Hole Vol. (bbls) :	1,419	Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	82
Intermediate	in m	Disp Vol. (bbls) :	43	P/Speed No.1 (spm) :	60	A/Vel DP (ft/min) :	34	System Total :	
Intermediate	in m	T/Circ Vol. (bbls) :	2,491	P/Speed No.2 (spm) :	60	A/Vel DC1(ft/min) :	36		
Production	in m	Pit Vol. (bbls) :	750	P/Speed No.3 (spm) :	60	A/Vel Riser(ft/min) :		P/ Press(Mpa) :	22.3
		Bit Size (inch) :	36	Rate (gal/min) :	897				

Mud Type: Seawater gel slurry	Mud Properties		
Time (Sampling : Suction)	11:00	13:10	17:30
Depth (m)	SWG	SWG	SWG
Mud Weight (SG/PPG)	1.04 8.7	1.04 8.7	1.04 8.7
Funnel Viscosity(sec./qt.)	212	183	165
A.V(cps) at / cent.	54	/50.5	55
P.V(cps)	17	/ 16	18
Y.V(lb/100ft^2)	74	/ 69	74
10"Gel(lb/100ft^2)	19	/ 23	21
10'Gel(lb/100ft^2)	19	/ 27	30
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)	11.9	11.4	11.9
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)	22	23	23
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)	0.25	0.25	0.26
k Value(600rpm/300rpm)	19.50	18.02	18.44
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		96,500	
Kunigel-VO(Bulk)	8,680	102,800	412,300
NaOH	1,175	2,050	176,250
KOH			
Lime	1,225	1,975	50,960
Soda Ash			
Tel-Polymer(H)			
Tel-Polymer(L)			
Tel-Polymer(DX)			
XCD Polymer		400	
Xan-Vis			
NaCl(Bag)		18,000	
KCl(Bag)		18,000	
Clean Lube(L)			
Clean Lube			
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD			
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
11:00		108	91	84	70	20	15
13:10	23	101	85	78	67	32	22
17:30		110	92	81	72	65	60

Well Summary

Drill 26" hole f/2,537 t/2,795m(TD). Sweep 5-8m3 of Hi-vis mud every joint. Sweep out 35m3 of Hi-vis mud. Spot 105m3 of Hi-vis mud. W/Trip to shoe. Run back to BTM. Sweep out 35m3 of Hi-vis mud. Displace hole to 340m3 of Hi-vis mud. POOH .

Recommendation

Mixed 58m3 of 12% pre-hy gel.
Mixed 638.6m3 of Seawater gel slurry.
Used 714.2m3 of Seawater gel slurry(Total used;942.5m3) .

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	639,510
Total Cost	13,649,160

MATERIALS REPORT

NO. 17

Well Name Nan Tro SEIZE Stage.2

DATE 25. May. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			9,900kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite		5,400t	3,800kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite		3,280t	0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 9,900kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 3,800kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 142,200kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500		116,500			8,680	102,800	412,300	13,700	
NaOH	150,000		4,725			1,175	2,050	176,250	2,675	
KOH	330,000		300						300	
Lime	41,600		3,800			1,225	1,975	50,960	1,825	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		1,400						1,400	
NaCl(Bag)	40,000		57,000				18,000		39,000	
KCl(Bag)	150,000		50,000				18,000		32,000	
Clean Lube(L)	580,000		14,400						14,400	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600						1,600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 17

DATE 25, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	Seawater gel slurry	1.04sg	1.5KL	1.5KL	1.5KL	empty
Active #3	Seawater gel slurry	1.04sg	1.5KL	1.5KL	1.5KL	empty
Active #4	Seawater gel slurry	1.04sg	9.6KL	9.6KL	1.5KL	
Active #5	Seawater gel slurry	1.04sg	34.0KL	34.0KL	1.5KL	
Active #6	Seawater	1.03sg	19.6KL	19.6KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Chemical Tank

Unit(kg)

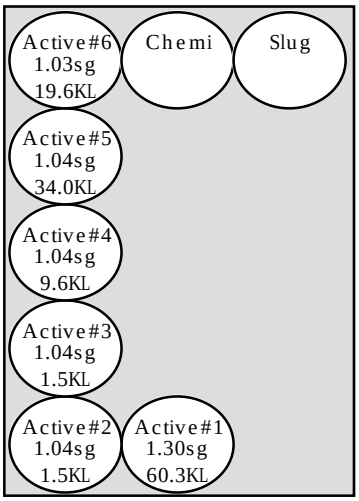
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	9,900kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	3,800kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 142.2 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	12.6KL	12.6KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5					3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 730.7 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)		116,500	8,680	102,800	13,700	
NaOH		4,725	1,175	2,050	2,675	
KOH		300			300	
Lime		3,800	1,225	1,975	1,825	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis		1,400			1,400	
NaCl(Bag)		57,000		18,000	39,000	
KCl(Bag)		50,000		18,000	32,000	
Clean Lube(L)		14,400			14,400	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600			1,600	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 129.2 ton

Total Weight 1,002.1 ton

Made by : H.maruyma

Drilling Mud Report(Off Shore)

Engineer H.Maruyama

No. 18 | Date 26, May, 2009 | TOTAL Depth(MSL) 2,766.7 m

Company MQJ | Well Name Nan Tro SEIZE Stage.2 | BRT Depth: 2,795.0 m , SSL Depth: 713.0 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.5 m	Riser Vol. (bbls) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	in m	CSG Vol. (bbls) : 179		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (bbls) : 1,418		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (bbls) : 43		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (bbls) : 2,491		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (bbls) : 750		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) : 36		Rate (gal/min) :		

Mud Type: Seawater gel slurry

Mud Properties						Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)						Tel-Bar(Bulk)		96,500	
Depth (m)						Kunigel-VO(Bulk)		102,800	
Mud Weight (SG/PPG)						NaOH		2,050	
Funnel Viscosity(sec./qt.)						KOH			
A.V(cps) at / cent.			/			Lime		1,975	
P.V(cps)			/			Soda Ash			
Y.V(lb/100ft^2)			/			Tel-Polymer(H)			
10"Gel(lb/100ft^2)			/			Tel-Polymer(L)			
10'Gel(lb/100ft^2)			/			Tel-Polymer(DX)			
API Filtrate(cc/30min.)						XCD Polymer		400	
Cake Thickness(mm)						Xan-Vis			
pH(-)						NaCl(Bag)		18,000	
Pf(cc)						KCl(Bag)		18,000	
Pm(cc)						Clean Lube(L)			
Mf(cc)						Clean Lube			
Cl^-(mg/l)						Tel-Clean			
Sand Content(%)						Lignate NC			
Oil Content(% Vol.)						Telnite GXL			
Solid Content(% Vol.)						Baracor 100			
M.B.C.(cc/cc.mud)						Telnite OS-5			
Temperature(in/out cent.)						Bi-Carbonate			
HT-HP Filtrate(cc)						Treat HS			
HT-HP Filtrate Cake(mm)						EZ Spot			
K^+(mg/l)						Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)						Speeder(X)			
n Value(600rpm/300rpm)						Tel-DD			
k Value(600rpm/300rpm)						Deformer No.30C			
LGS/Drill Solids(% Vol.)						Tel-Stop(G)			
						Tel-Stop(P)			
						Tel-Mica(C)			
						Tel-Mica(M)			
						Tel-Mica(F)			
						Tel-Plug(C)			
						Tel-Plug(M)			
						Tel-Plug(F)			
						CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm

Well Summary

POOH to 2,072m. No drag ovserved. ROV check bulls eyes. Move Rig to 50m to stand by position.DP Red alart. Lost position. Suspend operation. Recover ROV to surface. Cont POOH 26"BHA. Prepare for Run 20"CSG. Cont investigation of DP system error.

Recommendation

Cleaning the active tank and line.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	13,649,160

MATERIALS REPORT

NO. 18

Well Name Nan Tro SEIZE Stage.2

DATE 26. May. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite	10,640kg		20,540kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			3,800kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 20,540kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 3,800kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 152,840kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500	10,640	127,140				102,800		24,340	
NaOH	150,000		4,725				2,050		2,675	
KOH	330,000		300						300	
Lime	41,600		3,800				1,975		1,825	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000	700	2,100						2,100	
NaCl(Bag)	40,000		57,000				18,000		39,000	
KCl(Bag)	150,000		50,000				18,000		32,000	
Clean Lube(L)	580,000		14,400						14,400	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600						1,600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 18

DATE 26, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	Seawater gel slurry	1.04sg	43.6KL	43.6KL	1.5KL	
Active #3	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #4	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #5	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #6	Seawater	1.03sg	64.0KL	64.0KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Chemical Tank

Unit(kg)

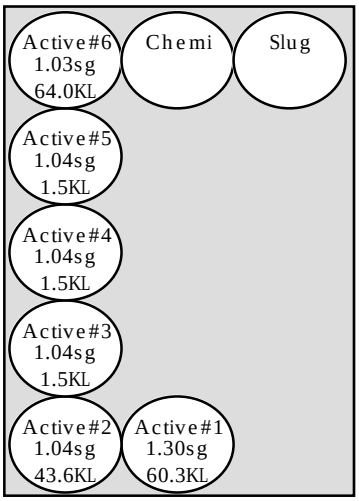
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	20,540kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	3,800kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 152.8 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	12.6KL	12.6KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5					3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 778.0 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)	10,640	127,140		102,800	24,340	
NaOH		4,725		2,050	2,675	
KOH		300			300	
Lime		3,800		1,975	1,825	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis	700	2,100			2,100	
NaCl(Bag)		57,000		18,000	39,000	
KCl(Bag)		50,000		18,000	32,000	
Clean Lube(L)		14,400			14,400	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600			1,600	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 129.9 ton

Total Weight 1,060.8 ton

Made by : K.maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer H.Maruyama

No. 19

Date 27, May, 2009

TOTAL Depth(MSL) 2,766.7 m

Company MQJ

Well Name Nan Tro SEIZE Stage.2

BRT Depth: 2,795.0 m , SSL Depth: 713.0 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.5 m	Riser Vol. (bbls) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	in m	CSG Vol. (bbls) : 179		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (bbls) : 1,418		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (bbls) : 43		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (bbls) : 2,491		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (bbls) : 750		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) : 36		Rate (gal/min) :		

Mud Type: Seawater gel slurry	Mud Properties						Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	10:30		22:30				Tel-Bar(Bulk)		96,500	
Depth (m)	kill mud		D/water				Kunigel-VO(Bulk)		102,800	
Mud Weight (SG/PPG)	1.30	10.8	1.00	8.3			NaOH		2,050	
Funnel Viscosity(sec./qt.)	71						KOH			
A.V(cps) at / cent.			/				Lime		1,975	
P.V(cps)			/				Soda Ash			
Y.V(lb/100ft^2)			/				Tel-Polymer(H)			
10"Gel(lb/100ft^2)			/				Tel-Polymer(L)			
10'Gel(lb/100ft^2)			/				Tel-Polymer(DX)			
API Filtrate(cc/30min.)							XCD Polymer		400	
Cake Thickness(mm)							Xan-Vis			
pH(-)							NaCl(Bag)		18,000	
Pf(cc)							KCl(Bag)		18,000	
Pm(cc)							Clean Lube(L)			
Mf(cc)							Clean Lube			
Cl^-(mg/l)							Tel-Clean			
Sand Content(%)							Lignate NC			
Oil Content(% Vol.)							Telnite GXL			
Solid Content(% Vol.)							Baracor 100			
M.B.C.(cc/cc.mud)							Telnite OS-5			
Temperature(in/out cent.)							Bi-Carbonate			
HT-HP Filtrate(cc)							Treat HS			
HT-HP Filtrate Cake(mm)							EZ Spot			
K^+(mg/l)							Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)							Speeder(X)			
n Value(600rpm/300rpm)							Tel-DD			
k Value(600rpm/300rpm)							Deformer No.30C			
LGS/Drill Solids(% Vol.)							Tel-Stop(G)			
							Tel-Stop(P)			
							Tel-Mica(C)			
							Tel-Mica(M)			
							Tel-Mica(F)			
							Tel-Plug(C)			
							Tel-Plug(M)			
							Tel-Plug(F)			
							CaCl2(without water)			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
10:30							
22:30							

Well Summary

Cotinue investigation DP system error.

Recommendation

Prepare for mixing gel.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	13,649,160

MATERIALS REPORT

NO. 19

Well Name: Nan Tro SEIZE Stage.2

DATE: 27. May. 09

TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			20,540kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			3,800kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 20,540kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 3,800kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 152,840kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500		127,140				102,800		24,340	
NaOH	150,000		4,725				2,050		2,675	
KOH	330,000		300						300	
Lime	41,600		3,800				1,975		1,825	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100						2,100	
NaCl(Bag)	40,000		57,000				18,000		39,000	
KCl(Bag)	150,000		50,000				18,000		32,000	
Clean Lube(L)	580,000		14,400						14,400	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600						1,600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 19

DATE 27, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	Seawater gel slurry	1.04sg	43.6KL	43.6KL	1.5KL	
Active #3	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #4	Drill water	1.00sg	65.0KL	65.0KL	1.5KL	for pre-hyd gel
Active #5	Drill water	1.00sg	65.0KL	65.0KL	1.5KL	for pre-hyd gel
Active #6	Seawater	1.03sg	64.0KL	64.0KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Chemical Tank

Unit(kg)

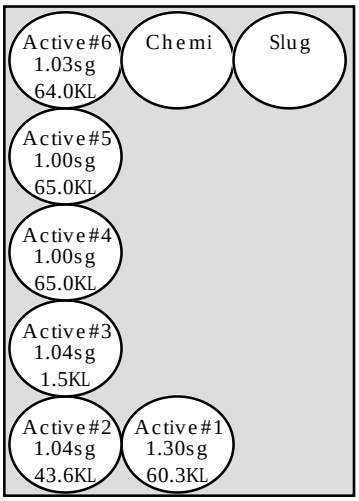
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	20,540kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	3,800kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 152.8 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	12.6KL	12.6KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5					3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 904.9 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)		127,140		102,800	24,340	
NaOH		4,725		2,050	2,675	
KOH		300			300	
Lime		3,800		1,975	1,825	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100			2,100	
NaCl(Bag)		57,000		18,000	39,000	
KCl(Bag)		50,000		18,000	32,000	
Clean Lube(L)		14,400			14,400	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600			1,600	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 129.9 ton

Total Weight 1,187.6 ton

Made by : K.maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer H.Maruyama

No. 20

Date 28, May, 2009

TOTAL Depth(MSL) 2,766.7 m

Company MQJ

Well Name Nan Tro SEIZE Stage.2

BRT Depth: 2,795.0 m , SSL Depth: 713.0 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.5 m	Riser Vol. (bbls) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	in m	CSG Vol. (bbls) : 179		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (bbls) : 1,418		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (bbls) : 43		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (bbls) : 2,491		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (bbls) : 750		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) : 36		Rate (gal/min) :		

Mud Type: Seawater gel slurry	Mud Properties						Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)		10:20					Tel-Bar(Bulk)		96,500	
Depth (m)		SWG					Kunigel-VO(Bulk)	20,600	123,400	978,500
Mud Weight (SG/PPG)		1.04	8.7				NaOH	375	2,425	56,250
Funnel Viscosity(sec./qt.)		189					KOH			
A.V(cps) at / cent.		/ 55					Lime	375	2,350	15,600
P.V(cps)		/ 22					Soda Ash			
Y.V(lb/100ft^2)		/ 66					Tel-Polymer(H)			
10"Gel(lb/100ft^2)		/ 22					Tel-Polymer(L)			
10'Gel(lb/100ft^2)		/ 25					Tel-Polymer(DX)			
API Filtrate(cc/30min.)							XCD Polymer		400	
Cake Thickness(mm)							Xan-Vis			
pH(-)		11.7					NaCl(Bag)		18,000	
Pf(cc)							KCl(Bag)		18,000	
Pm(cc)							Clean Lube(L)			
Mf(cc)							Clean Lube			
Cl$^-$(mg/l)							Tel-Clean			
Sand Content(%)							Lignate NC			
Oil Content(% Vol.)							Telnite GXL			
Solid Content(% Vol.)							Baracor 100			
M.B.C.(cc/cc.mud)							Telnite OS-5			
Temperature(in/out cent.)		22					Bi-Carbonate			
HT-HP Filtrate(cc)							Treat HS			
HT-HP Filtrate Cake(mm)							EZ Spot			
K$^+$(mg/l)							Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)							Speeder(X)			
n Value(600rpm/300rpm)		0.32					Tel-DD			
k Value(600rpm/300rpm)		11.83					Deformer No.30C			
LGS/Drill Solids(% Vol.)							Tel-Stop(G)			
							Tel-Stop(P)			
							Tel-Mica(C)			
							Tel-Mica(M)			
							Tel-Mica(F)			
							Tel-Plug(C)			
							Tel-Plug(M)			
							Tel-Plug(F)			
							CaCl2(without water)			

VG METER READING						
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
10:20	22	110	88	79	68	43	21

Well Summary

Continue investigation of DP system error.

Recommendation

Mixed 172.6m3 of 12% pre-hy gel.
MIxed 206.1m3 of SWG.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	1,050,350
Total Cost	14,699,510

MATERIALS REPORT

NO. 20

Well Name: Nan Tro SEIZE Stage.2

DATE: 28. May. 09

TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite		16,800kg	3,740kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite	16,800kg	20,600t	0kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite	20,600kg	20,600t	0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 3,740kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 0kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 132,240kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500		127,140			20,600	123,400	978,500	3,740	
NaOH	150,000		4,725			375	2,425	56,250	2,300	
KOH	330,000		300						300	
Lime	41,600		3,800			375	2,350	15,600	1,450	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100						2,100	
NaCl(Bag)	40,000		57,000				18,000		39,000	
KCl(Bag)	150,000		50,000				18,000		32,000	
Clean Lube(L)	580,000		14,400						14,400	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600						1,600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 20

DATE 28, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #3	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	43.6KL	43.6KL	1.5KL	
Active #5	Seawater gel slurry	1.04sg	69.7KL	69.7KL	1.5KL	
Active #6	Seawater	1.03sg	64.0KL	64.0KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Chemical Tank

Unit(kg)

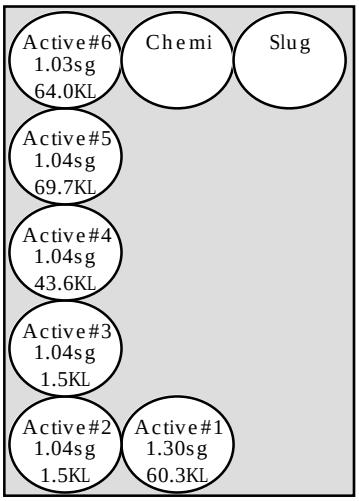
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	3,740kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 132.2 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	84.5KL	84.5KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5	Seawater gel slurry	1.04sg	136.4KL	136.4KL	3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1066.3 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)		127,140	20,600	123,400	3,740	
NaOH		4,725	375	2,425	2,300	
KOH		300			300	
Lime		3,800	375	2,350	1,450	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100			2,100	
NaCl(Bag)		57,000		18,000	39,000	
KCl(Bag)		50,000		18,000	32,000	
Clean Lube(L)		14,400			14,400	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600			1,600	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 129.2 ton

Total Weight 1,327.7 ton

Made by : H.maruyama

Drilling Mud Report(Off Shore)

Engineer H.Maruyama

No. 21

Date 29, May, 2009

TOTAL Depth(MSL) 2,766.7 m

Company MQJ

Well Name Nan Tro SEIZE Stage.2

BRT Depth: 2,795.0 m , SSL Depth: 713.0 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.5 m	Riser Vol. (bbls) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	in m	CSG Vol. (bbls) : 179		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (bbls) : 1,418		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (bbls) : 43		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (bbls) : 2,491		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (bbls) : 750		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) : 36		Rate (gal/min) :		

Mud Type: Seawater gel slurry	Mud Properties		
Time (Sampling : Suction)		15:30	23:20
Depth (m)		SWG	SWG
Mud Weight (SG/PPG)		1.04 8.7	1.04 8.7
Funnel Viscosity(sec./qt.)		230	218
A.V(cps) at / cent.		/ 35	34
P.V(cps)		/ 13	14
Y.V(lb/100ft^2)		/ 44	40
10"Gel(lb/100ft^2)		/ 21	21
10'Gel(lb/100ft^2)		/ 21	22
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)		10.3	10.3
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)		21	21
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)		0.30	0.33
k Value(600rpm/300rpm)		8.98	6.79
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		96,500	
Kunigel-VO(Bulk)		123,400	
NaOH		2,425	
KOH			
Lime		2,350	
Soda Ash			
Tel-Polymer(H)			
Tel-Polymer(L)			
Tel-Polymer(DX)			
XCD Polymer		400	
Xan-Vis			
NaCl(Bag)		18,000	
KCl(Bag)		18,000	
Clean Lube(L)			
Clean Lube			
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD			
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
15:30	21	70	57	51	45	32	21
23:20		68	54	50	45	33	20

Well Summary

Continue investigation of DP system error. Make up 26"W/Trip BHA.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	14,699,510

MATERIALS REPORT

NO. 21

Well Name: Nan Tro SEIZE Stage.2

DATE: 29. May. 09

TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			3,740kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 3,740kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 0kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 132,240kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500		127,140				123,400		3,740	
NaOH	150,000		4,725				2,425		2,300	
KOH	330,000		300						300	
Lime	41,600		3,800				2,350		1,450	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100						2,100	
NaCl(Bag)	40,000		57,000				18,000		39,000	
KCl(Bag)	150,000		50,000				18,000		32,000	
Clean Lube(L)	580,000		14,400						14,400	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600						1,600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 21

DATE 29, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #3	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	43.6KL	43.6KL	1.5KL	
Active #5	Seawater gel slurry	1.04sg	69.7KL	69.7KL	1.5KL	
Active #6	Seawater	1.03sg	64.0KL	64.0KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Chemical Tank

Unit(kg)

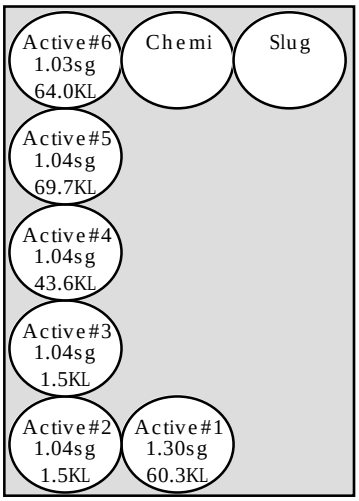
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	3,740kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 132.2 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	84.5KL	84.5KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5	Seawater gel slurry	1.04sg	136.4KL	136.4KL	3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1066.3 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)		127,140		123,400	3,740	
NaOH		4,725		2,425	2,300	
KOH		300			300	
Lime		3,800		2,350	1,450	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100			2,100	
NaCl(Bag)		57,000		18,000	39,000	
KCl(Bag)		50,000		18,000	32,000	
Clean Lube(L)		14,400			14,400	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600			1,600	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 129.2 ton

Total Weight 1,327.7 ton

Made by : H.maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer H.Maruyama

No. 22

Date 30, May, 2009

TOTAL Depth(MSL) 2,766.7 m

Company MQJ

Well Name Nan Tro SEIZE Stage.2

BRT Depth: 2,795.0 m , SSL Depth: 713.0 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.5 m	Riser Vol. (bbls) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	in m	CSG Vol. (bbls) : 179		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (bbls) : 1,418		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (bbls) : 43		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (bbls) : 2,491		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (bbls) : 750		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) : 26		Rate (gal/min) :		

Mud Type: Seawater gel slurry	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	10:30	Tel-Bar(Bulk)		96,500	
Depth (m)	SWG	Kunigel-VO(Bulk)		123,400	
Mud Weight (SG/PPG)	1.04 8.7	NaOH		2,425	
Funnel Viscosity(sec./qt.)	241	KOH			
A.V(cps) at / cent.	/36.5	Lime		2,350	
P.V(cps)	/ 14	Soda Ash			
Y.V(lb/100ft^2)	/ 45	Tel-Polymer(H)			
10"Gel(lb/100ft^2)	/ 20	Tel-Polymer(L)			
10'Gel(lb/100ft^2)	/ 23	Tel-Polymer(DX)			
API Filtrate(cc/30min.)		XCD Polymer		400	
Cake Thickness(mm)		Xan-Vis			
pH(-)	10.4	NaCl(Bag)		18,000	
Pf(cc)		KCl(Bag)		18,000	
Pm(cc)		Clean Lube(L)			
Mf(cc)		Clean Lube			
Cl^-(mg/l)		Tel-Clean			
Sand Content(%)		Lignate NC			
Oil Content(% Vol.)		Telnite GXL			
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)		Telnite OS-5			
Temperature(in/out cent.)	21	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS			
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)		Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)		Speeder(X)			
n Value(600rpm/300rpm)	0.31	Tel-DD			
k Value(600rpm/300rpm)	8.69	Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)			
		CaCl2(without water)			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
10:30	21	73	59	51	42	30	20

Well Summary

Continue investigation of DP system error. Make up W/Trip BHA and RIH w/5-1/2"DP to 978m. Repair HRN.

Recommendation

Loading Bentonite f/KAIKO.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	14,699,510

MATERIALS REPORT

NO. 22

Well Name: Nan Tro SEIZE Stage.2

DATE: 30. May. 09

TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			3,740kg	
Storage #6	Bentonite	30,620kg		30,620kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 3,740kg	Bentonite 30,620kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 0kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 162,860kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500	30,620	157,760				123,400		34,360	
NaOH	150,000		4,725				2,425		2,300	
KOH	330,000		300						300	
Lime	41,600		3,800				2,350		1,450	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100						2,100	
NaCl(Bag)	40,000		57,000				18,000		39,000	
KCl(Bag)	150,000		50,000				18,000		32,000	
Clean Lube(L)	580,000		14,400						14,400	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600						1,600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 22

DATE 30, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #3	Seawater	1.03sg	34.0KL	34.0KL	1.5KL	still mixing
Active #4	Seawater gel slurry	1.04sg	43.6KL	43.6KL	1.5KL	
Active #5	Seawater gel slurry	1.04sg	69.7KL	69.7KL	1.5KL	
Active #6	Seawater	1.03sg	64.0KL	64.0KL	1.5KL	
Chemical					0.1KL	
Slug					0.1KL	

Chemical Tank

Unit(kg)

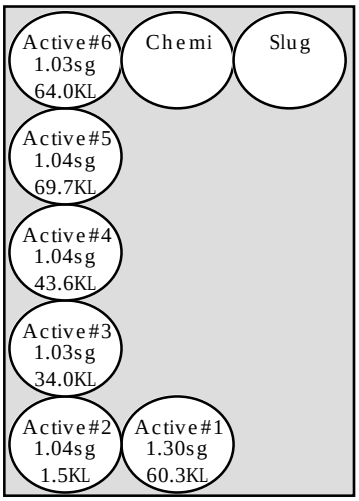
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	3,740kg	
Storage #6	Bentonite	30,620kg	
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 162.9 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	84.5KL	84.5KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5	Seawater gel slurry	1.04sg	136.4KL	136.4KL	3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1099.7 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)	30,620	157,760		123,400	34,360	
NaOH		4,725		2,425	2,300	
KOH		300			300	
Lime		3,800		2,350	1,450	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100			2,100	
NaCl(Bag)		57,000		18,000	39,000	
KCl(Bag)		50,000		18,000	32,000	
Clean Lube(L)		14,400			14,400	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600			1,600	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 129.2 ton

Total Weight 1,391.8 ton

Made by : K.maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer H.Maruyama

No. 23

Date 31, May, 2009

TOTAL Depth(MSL) 2,766.7 m

Company MQJ

Well Name Nan Tro SEIZE Stage.2

BRT Depth: 2,795.0 m , SSL Depth: 713.0 m

Casing Program			Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	36 in	2,136.5 m	Riser Vol. (bbls) :		Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	8
Intermediate	in	m	CSG Vol. (bbls) :	179	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8.5	Bottom's Up :	64
Intermediate	in	m	B/Hole Vol. (bbls) :	1,418	Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	72
Intermediate	in	m	Disp Vol. (bbls) :	43	P/Speed No.1 (spm) :	68	A/Vel DP (ft/min) :	39		
Intermediate	in	m	T/Circ Vol. (bbls) :	2,491	P/Speed No.2 (spm) :	68	A/Vel DC1 (ft/min) :	41	System Total :	
Production	in	m	Pit Vol. (bbls) :	750	P/Speed No.3 (spm) :	68	A/Vel Riser (ft/min) :		P/ Press(Mpa) :	20
			Bit Size (inch) :	26	Rate (gal/min) :	1,017				

Mud Type: Seawater gel slurry	Mud Properties		
Time (Sampling : Suction)	14:30	22:40	
Depth (m)	SWG	SWG	
Mud Weight (SG/PPG)	1.04 8.7	1.04 8.7	
Funnel Viscosity(sec./qt.)	210	288	
A.V(cps) at / cent.	/35.5	51	
P.V(cps)	/ 14	12	
Y.V(lb/100ft^2)	/ 43	78	
10"Gel(lb/100ft^2)	/ 24	31	
10'Gel(lb/100ft^2)	/ 26	36	
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)	10.3	10.4	
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)	22	23	
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)	0.32	0.18	
k Value(600rpm/300rpm)	7.91	29.20	
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		96,500	
Kunigel-VO(Bulk)	7,800	131,200	370,500
NaOH	550	2,975	82,500
KOH			
Lime	500	2,850	20,800
Soda Ash			
Tel-Polymer(H)			
Tel-Polymer(L)			
Tel-Polymer(DX)			
XCD Polymer		400	
Xan-Vis			
NaCl(Bag)		18,000	
KCl(Bag)		18,000	
Clean Lube(L)			
Clean Lube			
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD			
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
14:30	22	71	57	50	39	32	27
22:40		102	90	83	77	52	38

Well Summary

Cont repair HRN. RIH W/Trip BHA to1,971m. Dive ROV to check the BTM. Move vessel to well center. Wash and ream down f/2,550 t/2,580m(tight spot;2,560m). Cont RIH to BTM(tight spot;2605,2658,2680,2692,2707,2719,2740,2752,2758m,Fill 0.5m).
Circ and sweep out 35m3 of Hi-vis gel. SPOT 105m3 of Hi-vis gel. W/Trip to 2,195m.

Recommendation

Mixed 68m3 of pre-hyd gel.
Mixed 272.8m3 of seawater gel.
Used 146.7m3 of Seawater gel.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	473,800
Total Cost	15,173,310

MATERIALS REPORT

NO. 23

Well Name: Nan Tro SEIZE Stage.2

DATE: 31. May. 09

TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			3,740kg	
Storage #6	Bentonite		7,800kg	22,820kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite	7,800kg	7,800t	0kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite	7,800kg	7,800t	0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 3,740kg	Bentonite 22,820kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 0kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 155,060kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500		157,760			7,800	131,200	370,500	26,560	
NaOH	150,000		4,725			550	2,975	82,500	1,750	
KOH	330,000		300						300	
Lime	41,600		3,800			500	2,850	20,800	950	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100						2,100	
NaCl(Bag)	40,000		57,000				18,000		39,000	
KCl(Bag)	150,000		50,000				18,000		32,000	
Clean Lube(L)	580,000		14,400						14,400	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600						1,600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 23

DATE 31, May, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	Seawater gel slurry	1.04sg	69.9KL	69.9KL	1.5KL	
Active #3	Seawater gel slurry	1.04sg	68.5KL	68.5KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	70.8KL	70.8KL	1.5KL	
Active #5	Seawater gel slurry	1.04sg	70.8KL	70.8KL	1.5KL	
Active #6	Seawater	1.03sg	64.0KL	64.0KL	1.5KL	
Chemical					0.1KL	
Slug	Pre-seawater	1.03sg	13.9KL	13.9KL	0.1KL	

Chemical Tank

Unit(kg)

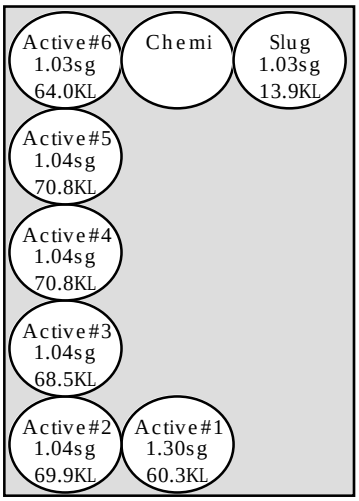
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	3,740kg	
Storage #6	Bentonite	22,820kg	
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 155.1 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	15.7KL	15.7KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5	Seawater gel slurry	1.04sg	95.8KL	95.8KL	3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1136.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)		157,760	7,800	131,200	26,560	
NaOH		4,725	550	2,975	1,750	
KOH		300			300	
Lime		3,800	500	2,850	950	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100			2,100	
NaCl(Bag)		57,000		18,000	39,000	
KCl(Bag)		50,000		18,000	32,000	
Clean Lube(L)		14,400			14,400	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600			1,600	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 128.1 ton

Total Weight 1,419.6 ton

Made by : K.maruyama

Drilling Mud Report(Off Shore)

Telnite

No. 24 | Date 1, June, 2009 | Engineer H.Maruyama

Company MQJ | Well Name Nan Tro SEIZE Stage.2 | TOTAL Depth(MSL) 2,717.2 m | BRT Depth: 2,745.5 m , SSL Depth: 663.5 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.5 m	Riser Vol. (bbls) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit : 8
Intermediate	in m	CSG Vol. (bbls) : 179		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up : 60
Intermediate	in m	B/Hole Vol. (bbls) : 1,311		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf : 67
Intermediate	in m	Disp Vol. (bbls) : 42		P/Speed No.1 (spm) : 68	A/Vel DP (ft/min) : 39	System Total :
Intermediate	in m	T/Circ Vol. (bbls) : 2,383		P/Speed No.2 (spm) : 68	A/Vel DC1(ft/min) : 41	
Production	in m	Pit Vol. (bbls) : 750		P/Speed No.3 (spm) : 68	A/Vel Riser(ft/min) :	P/ Press(Mpa) : 20.5
		Bit Size (inch) : 26		Rate (gal/min) : 1,017		

Mud Type: Seawater gel slurry	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	1:00			Tel-Bar(Bulk)		96,500	
Depth (m)	SWG			Kunigel-VO(Bulk)		131,200	
Mud Weight (SG/PPG)	1.04 8.7			NaOH		2,975	
Funnel Viscosity(sec./qt.)	262			KOH			
A.V(cps) at / cent.	48	/		Lime		2,850	
P.V(cps)	13	/		Soda Ash			
Y.V(lb/100ft^2)	70	/		Tel-Polymer(H)			
10"Gel(lb/100ft^2)	41	/		Tel-Polymer(L)			
10'Gel(lb/100ft^2)	44	/		Tel-Polymer(DX)			
API Filtrate(cc/30min.)				XCD Polymer		400	
Cake Thickness(mm)				Xan-Vis			
pH(-)	10.6			NaCl(Bag)		18,000	
Pf(cc)				KCl(Bag)		18,000	
Pm(cc)				Clean Lube(L)			
Mf(cc)				Clean Lube			
Cl^-(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL			
Solid Content(% Vol.)				Baracor 100			
M.B.C.(cc/cc.mud)				Telnite OS-5			
Temperature(in/out cent.)	23			Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS			
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)	0.21			Tel-DD			
k Value(600rpm/300rpm)	22.42			Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)			
				CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
1:00		96	83	72	60	50	42

Well Summary

Run back to BTM. Spot 340m3 of Hi-vis gel. POOH 26" W/Trip BHA with 5-1/2"DP. Move vessel to stand off position. Cont POOH. Prepare for Run 20"CSG.

Recommendation

Used 366m3 of Seawater gel.
Cleaning PIT.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	15,173,310

MATERIALS REPORT

NO. 24

Well Name: Nan Tro SEIZE Stage.2

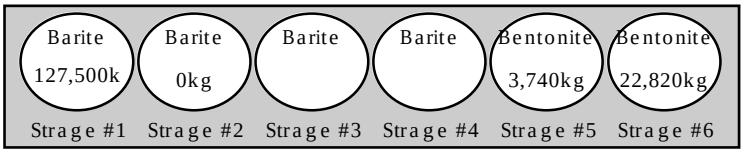
DATE: 1. Jun. 09

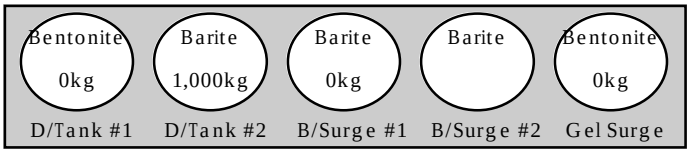
TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			3,740kg	
Storage #6	Bentonite			22,820kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	





Total Bulk Tank W.T. 155,060kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500		157,760				131,200		26,560	
NaOH	150,000		4,725				2,975		1,750	
KOH	330,000		300						300	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100						2,100	
NaCl(Bag)	40,000		57,000				18,000		39,000	
KCl(Bag)	150,000		50,000				18,000		32,000	
Clean Lube(L)	580,000		14,400						14,400	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600						1,600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 24

DATE 1, Jun, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #3	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #4	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #5	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #6	Seawater	1.03sg	64.0KL	64.0KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

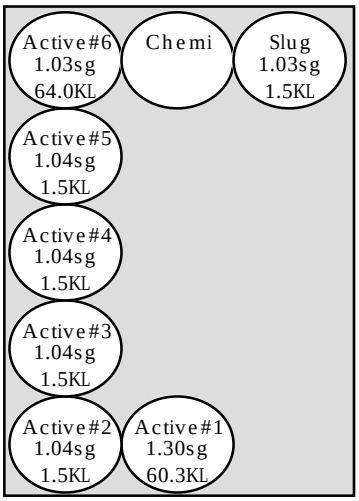
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	3,740kg	
Storage #6	Bentonite	22,820kg	
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 155.1 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	15.7KL	15.7KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5	empty	1.04sg	3.8KL	3.8KL	3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 742.9 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)		157,760		131,200	26,560	
NaOH		4,725		2,975	1,750	
KOH		300			300	
Lime		3,800		2,850	950	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100			2,100	
NaCl(Bag)		57,000		18,000	39,000	
KCl(Bag)		50,000		18,000	32,000	
Clean Lube(L)		14,400			14,400	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600			1,600	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 128.1 ton

Total Weight 1,026.1 ton

Made by : K.maruyama

Drilling Mud Report(Off Shore)

Engineer H.Maruyama

No. 25 | Date 2, June, 2009 | TOTAL Depth(MSL) 2,744.7 m

Company MQJ | Well Name Nan Tro SEIZE Stage.2 | BRT Depth: 2,773.0 m , SSL Depth: 691.0 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.5 m	Riser Vol. (bbls) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in m	CSG Vol. (bbls) : 179		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (bbls) : 1,371		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (bbls) : 42		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (bbls) : 2,443		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (bbls) : 750		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) : 20.5
		Bit Size (inch) : 26		Rate (gal/min) :		

Mud Type: Seawater gel slurry	Mud Properties						Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)		14:00					Tel-Bar(Bulk)		96,500	
Depth (m)		Kill mud					Kunigel-VO(Bulk)		131,200	
Mud Weight (SG/PPG)		1.30	10.8				NaOH		2,975	
Funnel Viscosity(sec./qt.)							KOH			
A.V(cps) at / cent.		/					Lime		2,850	
P.V(cps)		/					Soda Ash			
Y.V(lb/100ft^2)		/					Tel-Polymer(H)			
10"Gel(lb/100ft^2)		/					Tel-Polymer(L)			
10'Gel(lb/100ft^2)		/					Tel-Polymer(DX)			
API Filtrate(cc/30min.)							XCD Polymer		400	
Cake Thickness(mm)							Xan-Vis			
pH(-)		9.8					NaCl(Bag)		18,000	
Pf(cc)							KCl(Bag)		18,000	
Pm(cc)							Clean Lube(L)			
Mf(cc)							Clean Lube			
Cl$^-$(mg/l)							Tel-Clean			
Sand Content(%)							Lignate NC			
Oil Content(% Vol.)							Telnite GXL			
Solid Content(% Vol.)							Baracor 100			
M.B.C.(cc/cc.mud)							Telnite OS-5			
Temperature(in/out cent.)		23					Bi-Carbonate			
HT-HP Filtrate(cc)							Treat HS			
HT-HP Filtrate Cake(mm)							EZ Spot			
K$^+$(mg/l)							Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)							Speeder(X)			
n Value(600rpm/300rpm)							Tel-DD			
k Value(600rpm/300rpm)							Deformer No.30C			
LGS/Drill Solids(% Vol.)							Tel-Stop(G)			
							Tel-Stop(P)			
							Tel-Mica(C)			
							Tel-Mica(M)			
							Tel-Mica(F)			
							Tel-Plug(C)			
							Tel-Plug(M)			
							Tel-Plug(F)			
							CaCl2(without water)			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
14:00	23						

Well Summary

RIH with 20"CSG on 5 1/2"Dp to 2,773m. 20"CSG CMTG.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	15,173,310

MATERIALS REPORT

NO. 25

Well Name: Nan Tro SEIZE Stage.2

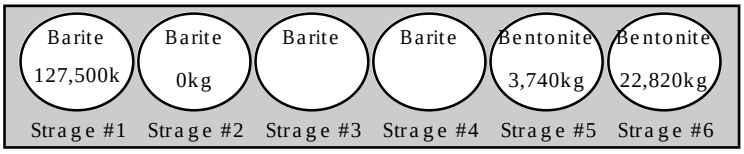
DATE: 2. Jun. 09

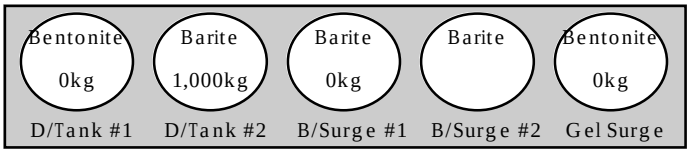
TIME: 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			3,740kg	
Storage #6	Bentonite			22,820kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	





Total Bulk Tank W.T. 155,060kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500		157,760				131,200		26,560	
NaOH	150,000		4,725				2,975		1,750	
KOH	330,000		300						300	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100						2,100	
NaCl(Bag)	40,000		57,000				18,000		39,000	
KCl(Bag)	150,000		50,000				18,000		32,000	
Clean Lube(L)	580,000		14,400						14,400	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600						1,600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 25

DATE 2, Jun, 09

TIME 24:00

Well Name Nan Tro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	Mud push	1.20sg	45.0KL	45.0KL	1.5KL	for CMTG
Active #3	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #4	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #5	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #6	Seawater	1.03sg	64.0KL	64.0KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

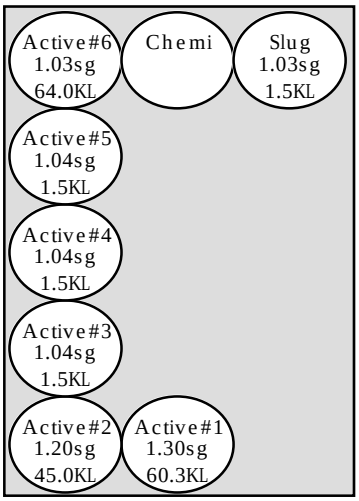
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	3,740kg	
Storage #6	Bentonite	22,820kg	
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 155.1 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	15.7KL	15.7KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5	empty	1.04sg	3.8KL	3.8KL	3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 795.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)		157,760		131,200	26,560	
NaOH		4,725		2,975	1,750	
KOH		300			300	
Lime		3,800		2,850	950	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100			2,100	
NaCl(Bag)		57,000		18,000	39,000	
KCl(Bag)		50,000		18,000	32,000	
Clean Lube(L)		14,400			14,400	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600			1,600	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 128.1 ton

Total Weight 1,078.6 ton

Made by : K.maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer H.Maruyama

No. 26

Date 3, June, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.5 m	Riser Vol. (bbls) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.5 m	CSG Vol. (bbls) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (bbls) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (bbls) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (bbls) :	750	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (bbls) :	750	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) : 20.5
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type: Seawater gel slurry	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	11:00	Tel-Bar(Bulk)		96,500	
Depth (m)	Kill mud	Kunigel-VO(Bulk)		131,200	
Mud Weight (SG/PPG)	1.30 10.8	NaOH		2,975	
Funnel Viscosity(sec./qt.)		KOH			
A.V(cps) at / cent.	/	Lime		2,850	
P.V(cps)	/	Soda Ash			
Y.V(lb/100ft^2)	/	Tel-Polymer(H)			
10"Gel(lb/100ft^2)	/	Tel-Polymer(L)			
10'Gel(lb/100ft^2)	/	Tel-Polymer(DX)			
API Filtrate(cc/30min.)		XCD Polymer		400	
Cake Thickness(mm)		Xan-Vis			
pH(-)	9.9	NaCl(Bag)		18,000	
Pf(cc)		KCl(Bag)		18,000	
Pm(cc)		Clean Lube(L)			
Mf(cc)		Clean Lube			
Cl$^-$(mg/l)		Tel-Clean			
Sand Content(%)		Lignate NC			
Oil Content(% Vol.)		Telnite GXL			
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)		Telnite OS-5			
Temperature(in/out cent.)	25	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS			
HT-HP Filtrate Cake(mm)		EZ Spot			
K$^+$(mg/l)		Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)		Speeder(X)			
n Value(600rpm/300rpm)		Tel-DD			
k Value(600rpm/300rpm)		Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)			
		CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
11:00	25						

Well Summary

Continue to 20"CSG CMTG. Displace Cement with 30.6m3 of seawater. Confirm no back flow.
POOH stringer and running tool with 5-1/2"DP. Recover ROV.
Rig up Riser handling equipment.

Recommendation

Prepare for mix mud.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	15,173,310

MATERIALS REPORT

NO. 26

Well Name NanTro SEIZE Stage.2

DATE 3. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			127,500kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			3,740kg	
Storage #6	Bentonite			22,820kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			1,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 127,500k	Barite 0kg	Barite	Barite	Bentonite 3,740kg	Bentonite 22,820kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 0kg	Barite 1,000kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 155,060kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				96,500		128,500	
Kunigel-VO(Bulk)	47,500		157,760				131,200		26,560	
NaOH	150,000		4,725				2,975		1,750	
KOH	330,000		300						300	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560						2,560	
Tel-Polymer(L)	1,550,000		8,960						8,960	
Tel-Polymer(DX)	1,150,000		12,800						12,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100						2,100	
NaCl(Bag)	40,000		57,000				18,000		39,000	
KCl(Bag)	150,000		50,000				18,000		32,000	
Clean Lube(L)	580,000		14,400						14,400	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600						1,600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 26

DATE 3, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #4	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #5	empty	1.04sg	1.5KL	1.5KL	1.5KL	
Active #6	Seawater	1.03sg	64.0KL	64.0KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

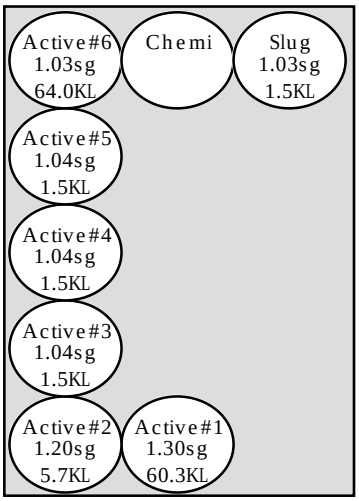
Tank Name	Status	Weight	Monitor
Storage #1	Barite	127,500kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	3,740kg	
Storage #6	Bentonite	22,820kg	
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	1,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 155.1 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	15.7KL	15.7KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	157.8KL	157.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5	empty	1.04sg	3.8KL	3.8KL	3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 748.2 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		96,500	128,500	
Kunigel-VO(Bulk)		157,760		131,200	26,560	
NaOH		4,725		2,975	1,750	
KOH		300			300	
Lime		3,800		2,850	950	
Soda Ash						
Tel-Polymer(H)		2,560			2,560	
Tel-Polymer(L)		8,960			8,960	
Tel-Polymer(DX)		12,800			12,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100			2,100	
NaCl(Bag)		57,000		18,000	39,000	
KCl(Bag)		50,000		18,000	32,000	
Clean Lube(L)		14,400			14,400	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600			1,600	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 128.1 ton

Total Weight 1,031.4 ton

Made by : K.maruyama

Drilling Mud Report(Off Shore)

Engineer H.Maruyama

No. 27

Date 4, June, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.5 m	Riser Vol. (bbls) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.5 m	CSG Vol. (bbls) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (bbls) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (bbls) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	
Intermediate	in m	T/Circ Vol. (bbls) :	750	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	System Total :
Production	in m	Pit Vol. (bbls) :	750	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type: Seawater gel slurry	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	23:50	Tel-Bar(Bulk)	6,800	103,300	278,800
Depth (m)	KNPP	Kunigel-VO(Bulk)	7,000	138,200	332,500
Mud Weight (SG/PPG)	1.08 9.0	NaOH		2,975	
Funnel Viscosity(sec./qt.)	105	KOH	50	50	16,500
A.V(cps) at / cent.	/65.5	Lime		2,850	
P.V(cps)	/ 43	Soda Ash			
Y.V(lb/100ft^2)	/ 45	Tel-Polymer(H)	200	200	310,000
10"Gel(lb/100ft^2)	/ 7	Tel-Polymer(L)	800	800	1,240,000
10'Gel(lb/100ft^2)	/ 9	Tel-Polymer(DX)	1,200	1,200	1,380,000
API Filtrate(cc/30min.)	4.8	XCD Polymer		400	
Cake Thickness(mm)	0.5	Xan-Vis	200	200	500,000
pH(-)	11.2	NaCl(Bag)	1,000	19,000	40,000
Pf(cc)	0.1	KCl(Bag)	1,000	19,000	150,000
Pm(cc)	0.2	Clean Lube(L)	3,000	3,000	1,740,000
Mf(cc)	0.3	Clean Lube			
Cl^-(mg/l)	58,900	Tel-Clean			
Sand Content(%)	0.00	Lignate NC			
Oil Content(% Vol.)		Telnite GXL			
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)	0.00	Telnite OS-5			
Temperature(in/out cent.)	25	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS			
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)		Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)	0 0	Speeder(X)			
n Value(600rpm/300rpm)	0.57	Tel-DD	200	200	128,000
k Value(600rpm/300rpm)	2.46	Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)			
		CaCl2(without water)			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
23:50	25	131	88	68	44	9	7

Well Summary

Continue to rig up running riser. Pick up instrument riser joint and centralizer joint. Skid BOP to well center.
Mixing KNPP mud for 17"hole section.
*KNPP ; KCl-NaCl/Polymer/PPG

Recommendation

Mixed 72.8m3 of 10% pre-hydrated gel.
Mixed 106m3 of KCl-NaCl/Polymer/PPG mud.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	6,115,800
Total Cost	21,289,110

MATERIALS REPORT

NO. 27

Well Name NanTro SEIZE Stage.2

DATE 4. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite		7,500kg	120,000kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite		3,740kg	0kg	
Storage #6	Bentonite		11,120kg	11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite	14,860kg	7,000t	7,860kg	
D/Tank #2	Barite	7,500kg	6,800t	1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite	7,000kg	7,000t	0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 0kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 141,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000			6,800	103,300	278,800	121,700	
Kunigel-VO(Bulk)	47,500		157,760			7,000	138,200	332,500	19,560	
NaOH	150,000		4,725				2,975		1,750	
KOH	330,000	3,000	3,300			50	50	16,500	3,250	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560			200	200	310,000	2,360	
Tel-Polymer(L)	1,550,000		8,960			800	800	1,240,000	8,160	
Tel-Polymer(DX)	1,150,000		12,800			1,200	1,200	1,380,000	11,600	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100			200	200	500,000	1,900	
NaCl(Bag)	40,000		57,000			1,000	19,000	40,000	38,000	
KCl(Bag)	150,000		50,000			1,000	19,000	150,000	31,000	
Clean Lube(L)	580,000		14,400			3,000	3,000	1,740,000	11,400	
Clean Lube	550,000		10,400						10,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600			200	200	128,000	1,400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 27

DATE 4, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	10%Pre-hydrated gel	1.05sg	62.8KL	62.8KL	1.5KL	
Active #4	KNPP	1.08sg	1.5KL	1.5KL	1.5KL	
Active #5	KNPP	1.08sg	1.5KL	1.5KL	1.5KL	
Active #6	Seawater	1.03sg	64.0KL	64.0KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

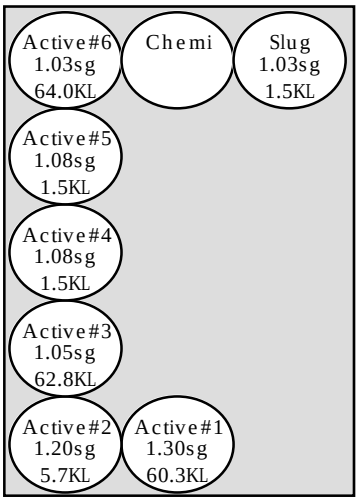
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 141.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	15.7KL	15.7KL	3.8KL	
Reserve #3	6% KCl-NaCl solution	1.06sg	68.0KL	68.0KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	158.1KL	158.1KL	3.8KL	
Reserve #5	KNPP	1.08sg	110.0KL	110.0KL	3.8KL	
Reserve #6					3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 832.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000	6,800	103,300	121,700	
Kunigel-VO(Bulk)		157,760	7,000	138,200	19,560	
NaOH		4,725		2,975	1,750	
KOH	3,000	3,300	50	50	3,250	
Lime		3,800		2,850	950	
Soda Ash						
Tel-Polymer(H)		2,560	200	200	2,360	
Tel-Polymer(L)		8,960	800	800	8,160	
Tel-Polymer(DX)		12,800	1,200	1,200	11,600	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100	200	200	1,900	
NaCl(Bag)		57,000	1,000	19,000	38,000	
KCl(Bag)		50,000	1,000	19,000	31,000	
Clean Lube(L)		14,400	3,000	3,000	11,400	
Clean Lube		10,400			10,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600	200	200	1,400	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 123.5 ton

Total Weight 1,097.1 ton

Made by : K.maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer K.KURODA

No. 28

Date 5, June, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.5 m	Riser Vol. (m^3) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type:	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	17:00	Tel-Bar(Bulk)		103,300	
Depth (m)	KNPP	Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)	1.08 9.0	NaOH		2,975	
Funnel Viscosity(sec./qt.)	105	KOH	50	100	16,500
A.V(cps) at / cent.	/ 63	Lime		2,850	
P.V(cps)	/ 41	Soda Ash			
Y.V(lb/100ft^2)	/ 44	Tel-Polymer(H)	200	400	310,000
10"Gel(lb/100ft^2)	/ 8	Tel-Polymer(L)	800	1,600	1,240,000
10'Gel(lb/100ft^2)	/ 10	Tel-Polymer(DX)	1,200	2,400	1,380,000
API Filtrate(cc/30min.)	4.8	XCD Polymer		400	
Cake Thickness(mm)	0.5	Xan-Vis	200	400	500,000
pH(-)	10.7	NaCl(Bag)		19,000	
Pf(cc)	0.1	KCl(Bag)		19,000	
Pm(cc)	0.3	Clean Lube(L)		3,000	
Mf(cc)	0.3	Clean Lube	3,000	3,000	1,650,000
Cl^-(mg/l)	59,300	Tel-Clean			
Sand Content(%)		Lignate NC			
Oil Content(% Vol.)		Telnite GXL			
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)	0.25	Telnite OS-5			
Temperature(in/out cent.)	25	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS			
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)		Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)	0 0	Speeder(X)			
n Value(600rpm/300rpm)	0.57	Tel-DD	200	400	128,000
k Value(600rpm/300rpm)	2.47	Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)			
		CaCl2(without water)			

VG METER READING													
Time	Temp	600rpm		300rpm		200rpm		100rpm		6rpm		3rpm	
17:00	25	126		85		68		45		10		8	

Well Summary

Perform rig floor PM tasks & continue with housekeeping. Continue mixing KNPP mud for 17" section.
*KNPP ; KCl-NaCl/Polymer/PPG

Recommendation

Mixed 106.3m3 of KCl-NaCl/Polymer/PPG mud (Total : 212.3m3).

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	5,224,500
Total Cost	26,513,610

MATERIALS REPORT

NO. 28

Well Name NanTro SEIZE Stage.2

DATE 5. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 0kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 141,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				103,300		121,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				2,975		1,750	
KOH	330,000		3,300			50	100	16,500	3,200	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560			200	400	310,000	2,160	
Tel-Polymer(L)	1,550,000		8,960			800	1,600	1,240,000	7,360	
Tel-Polymer(DX)	1,150,000		12,800			1,200	2,400	1,380,000	10,400	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100			200	400	500,000	1,700	
NaCl(Bag)	40,000		57,000				19,000		38,000	
KCl(Bag)	150,000		50,000				19,000		31,000	
Clean Lube(L)	580,000		14,400				3,000		11,400	
Clean Lube	550,000		10,400			3,000	3,000	1,650,000	7,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600			200	400	128,000	1,200	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 28

DATE 5, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	10%Pre-hydrated gel	1.05sg	42.3KL	42.3KL	1.5KL	
Active #4	KNPP	1.08sg	54.0KL	54.0KL	1.5KL	Mixing
Active #5	KNPP	1.08sg	54.6KL	54.6KL	1.5KL	Mixing
Active #6	Seawater	1.03sg	59.1KL	59.1KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

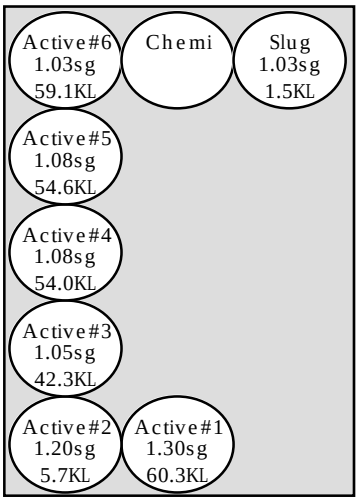
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 141.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	15.7KL	15.7KL	3.8KL	
Reserve #3				3.8KL	3.8KL	
Reserve #4	6% KCl-NaCl solution	1.06sg	46.1KL	46.1KL	3.8KL	
Reserve #5	KNPP	1.08sg	158.0KL	158.0KL	3.8KL	
Reserve #6	KNPP	1.08sg	54.3KL	54.3KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 839.5 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		103,300	121,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		2,975	1,750	
KOH		3,300	50	100	3,200	
Lime		3,800		2,850	950	
Soda Ash						
Tel-Polymer(H)		2,560	200	400	2,160	
Tel-Polymer(L)		8,960	800	1,600	7,360	
Tel-Polymer(DX)		12,800	1,200	2,400	10,400	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100	200	400	1,700	
NaCl(Bag)		57,000		19,000	38,000	
KCl(Bag)		50,000		19,000	31,000	
Clean Lube(L)		14,400		3,000	11,400	
Clean Lube		10,400	3,000	3,000	7,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600	200	400	1,200	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 117.8 ton

Total Weight 1,098.6 ton

Made by : K.kuroda

Telnite

Drilling Mud Report(Off Shore)

Engineer K.KURODA

No. 29

Date 6, June, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type:	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	19:30	Tel-Bar(Bulk)		103,300	
Depth (m)	KNPP	Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)	1.08 9.0	NaOH		2,975	
Funnel Viscosity(sec./qt.)	113	KOH	100	200	33,000
A.V(cps) at / cent.	/ 63	Lime		2,850	
P.V(cps)	/ 42	Soda Ash			
Y.V(lb/100ft^2)	/ 42	Tel-Polymer(H)	400	800	620,000
10"Gel(lb/100ft^2)	/ 8	Tel-Polymer(L)	1,600	3,200	2,480,000
10'Gel(lb/100ft^2)	/ 10	Tel-Polymer(DX)	2,400	4,800	2,760,000
API Filtrate(cc/30min.)	4.6	XCD Polymer		400	
Cake Thickness(mm)	0.5	Xan-Vis	400	800	1,000,000
pH(-)	10.6	NaCl(Bag)	5,000	24,000	200,000
Pf(cc)	0.1	KCl(Bag)	5,000	24,000	750,000
Pm(cc)	0.3	Clean Lube(L)	1,000	4,000	580,000
Mf(cc)	0.3	Clean Lube	5,000	8,000	2,750,000
Cl^-(mg/l)	63,200	Tel-Clean			
Sand Content(%)		Lignate NC			
Oil Content(% Vol.)		Telnite GXL			
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)	0.25	Telnite OS-5			
Temperature(in/out cent.)	26	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS			
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)		Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)	0 0	Speeder(X)			
n Value(600rpm/300rpm)	0.58	Tel-DD	400	800	256,000
k Value(600rpm/300rpm)	2.19	Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)			
		CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
19:30	26	126	84	67	45	10	8

Well Summary

Perform rig floor PM tasks & continue with housekeeping. Continue mixing KNPP mud for 17" section.
*KNPP ; KCl-NaCl/Polymer/PPG

Recommendation

Mixed 213m3 of KCl-NaCl/Polymer/PPG mud (Total : 425.3m3).

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	11,429,000
Total Cost	37,942,610

MATERIALS REPORT

NO. 29

Well Name NanTro SEIZE Stage.2

DATE 6. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 0kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 141,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				103,300		121,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				2,975		1,750	
KOH	330,000		3,300			100	200	33,000	3,100	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560			400	800	620,000	1,760	
Tel-Polymer(L)	1,550,000		8,960			1,600	3,200	2,480,000	5,760	
Tel-Polymer(DX)	1,150,000		12,800			2,400	4,800	2,760,000	8,000	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100			400	800	1,000,000	1,300	
NaCl(Bag)	40,000		57,000			5,000	24,000	200,000	33,000	
KCl(Bag)	150,000		50,000			5,000	24,000	750,000	26,000	
Clean Lube(L)	580,000		14,400			1,000	4,000	580,000	10,400	
Clean Lube	550,000		10,400			5,000	8,000	2,750,000	2,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600			400	800	256,000	800	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 29

DATE 6, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	10%Pre-hydrated gel	1.05sg	23.7KL	23.7KL	1.5KL	
Active #4	KNPP	1.08sg	58.0KL	58.0KL	1.5KL	Mixing
Active #5	KNPP	1.08sg	57.0KL	57.0KL	1.5KL	Mixing
Active #6	Seawater	1.03sg	59.1KL	59.1KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

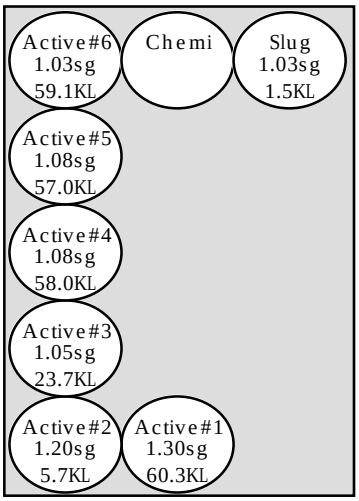
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 141.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	15.7KL	15.7KL	3.8KL	
Reserve #3	KNPP	1.08sg	108.0KL	108.0KL	3.8KL	
Reserve #4				3.8KL	3.8KL	
Reserve #5	KNPP	1.08sg	158.0KL	158.0KL	3.8KL	
Reserve #6	KNPP	1.08sg	159.3KL	159.3KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1008.1 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		103,300	121,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		2,975	1,750	
KOH		3,300	100	200	3,100	
Lime		3,800		2,850	950	
Soda Ash						
Tel-Polymer(H)		2,560	400	800	1,760	
Tel-Polymer(L)		8,960	1,600	3,200	5,760	
Tel-Polymer(DX)		12,800	2,400	4,800	8,000	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100	400	800	1,300	
NaCl(Bag)		57,000	5,000	24,000	33,000	
KCl(Bag)		50,000	5,000	24,000	26,000	
Clean Lube(L)		14,400	1,000	4,000	10,400	
Clean Lube		10,400	5,000	8,000	2,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600	400	800	800	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 96.5 ton

Total Weight 1,245.9 ton

Made by : K.kuroda

Telnite

Drilling Mud Report(Off Shore)

Engineer K.KURODA

No. 30

Date 7, June, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type:	Mud Properties		
Time (Sampling : Suction)			
Depth (m)			
Mud Weight (SG/PPG)			
Funnel Viscosity(sec./qt.)			
A.V(cps) at / cent.		/	
P.V(cps)		/	
Y.V(lb/100ft^2)		/	
10"Gel(lb/100ft^2)		/	
10'Gel(lb/100ft^2)		/	
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)			
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)			
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)			
k Value(600rpm/300rpm)			
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		103,300	
Kunigel-VO(Bulk)		138,200	
NaOH		2,975	
KOH	50	250	16,500
Lime		2,850	
Soda Ash			
Tel-Polymer(H)		800	
Tel-Polymer(L)		3,200	
Tel-Polymer(DX)		4,800	
XCD Polymer		400	
Xan-Vis		800	
NaCl(Bag)		24,000	
KCl(Bag)		24,000	
Clean Lube(L)	3,000	7,000	1,740,000
Clean Lube		8,000	
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		800	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm

Well Summary

Thruster investigation. Perform rig floor PM tasks & continue with housekeeping. Continue mixing KNPP mud for 17" section.
*KNPP ; KCl-NaCl/Polymer/PPG

Recommendation

Mixed 0m3 of KCl-NaCl/Polymer/PPG mud (Total : 425.3m3).

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	1,756,500
Total Cost	39,699,110

MATERIALS REPORT

NO. 30

Well Name NanTro SEIZE Stage.2

DATE 7. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 0kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 141,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				103,300		121,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				2,975		1,750	
KOH	330,000		3,300			50	250	16,500	3,050	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560				800		1,760	
Tel-Polymer(L)	1,550,000		8,960				3,200		5,760	
Tel-Polymer(DX)	1,150,000		12,800				4,800		8,000	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100				800		1,300	
NaCl(Bag)	40,000		57,000				24,000		33,000	
KCl(Bag)	150,000		50,000				24,000		26,000	
Clean Lube(L)	580,000		14,400			3,000	7,000	1,740,000	7,400	
Clean Lube	550,000		10,400				8,000		2,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600				800		800	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 30

DATE 7, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	10%Pre-hydrated gel	1.05sg	23.7KL	23.7KL	1.5KL	
Active #4	KNPP	1.08sg	58.0KL	58.0KL	1.5KL	
Active #5	KNPP	1.08sg	57.0KL	57.0KL	1.5KL	
Active #6	Seawater	1.03sg	59.1KL	59.1KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

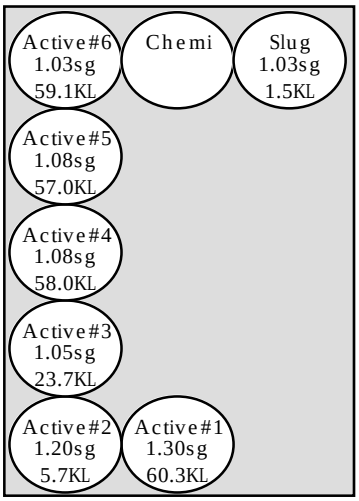
Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 141.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	15.7KL	15.7KL	3.8KL	
Reserve #3	KNPP	1.08sg	108.0KL	108.0KL	3.8KL	
Reserve #4				3.8KL	3.8KL	
Reserve #5	KNPP	1.08sg	158.0KL	158.0KL	3.8KL	
Reserve #6	KNPP	1.08sg	159.3KL	159.3KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						



Mud Tank Total WT 1008.1 ton

Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		103,300	121,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		2,975	1,750	
KOH		3,300	50	250	3,050	
Lime		3,800		2,850	950	
Soda Ash						
Tel-Polymer(H)		2,560		800	1,760	
Tel-Polymer(L)		8,960		3,200	5,760	
Tel-Polymer(DX)		12,800		4,800	8,000	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100		800	1,300	
NaCl(Bag)		57,000		24,000	33,000	
KCl(Bag)		50,000		24,000	26,000	
Clean Lube(L)		14,400	3,000	7,000	7,400	
Clean Lube		10,400		8,000	2,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600		800	800	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 93.5 ton

Total Weight 1,242.8 ton

Made by : K.kuroda

Drilling Mud Report(Off Shore)

Engineer K.KURODA

No. 31

Date 8, June, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) : 100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :	Rate (gal/min) :		

Mud Type:	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)				Tel-Bar(Bulk)		103,300	
Depth (m)				Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)				NaOH		2,975	
Funnel Viscosity(sec./qt.)				KOH		250	
A.V(cps) at / cent.		/		Lime		2,850	
P.V(cps)		/		Soda Ash			
Y.V(lb/100ft^2)		/		Tel-Polymer(H)		800	
10"Gel(lb/100ft^2)		/		Tel-Polymer(L)		3,200	
10'Gel(lb/100ft^2)		/		Tel-Polymer(DX)		4,800	
API Filtrate(cc/30min.)				XCD Polymer		400	
Cake Thickness(mm)				Xan-Vis		800	
pH(-)				NaCl(Bag)	6,000	30,000	240,000
Pf(cc)				KCl(Bag)	3,000	27,000	450,000
Pm(cc)				Clean Lube(L)		7,000	
Mf(cc)				Clean Lube		8,000	
Cl^-(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL			
Solid Content(% Vol.)				Baracor 100			
M.B.C.(cc/cc.mud)				Telnite OS-5			
Temperature(in/out cent.)				Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS			
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)				Tel-DD		800	
k Value(600rpm/300rpm)				Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)			
				CaCl2(without water)			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm

Well Summary

Thruster investigation. Run BOP & Riser.Continue mixing KNPP mud for 17" section.
*KNPP ; KCl-NaCl/Polymer/PPG

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	690,000
Total Cost	40,389,110

MATERIALS REPORT

NO. 31

Well Name NanTro SEIZE Stage.2

DATE 8. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 0kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 141,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				103,300		121,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				2,975		1,750	
KOH	330,000		3,300				250		3,050	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560				800		1,760	
Tel-Polymer(L)	1,550,000		8,960				3,200		5,760	
Tel-Polymer(DX)	1,150,000		12,800				4,800		8,000	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100				800		1,300	
NaCl(Bag)	40,000		57,000			6,000	30,000	240,000	27,000	
KCl(Bag)	150,000		50,000			3,000	27,000	450,000	23,000	
Clean Lube(L)	580,000		14,400				7,000		7,400	
Clean Lube	550,000		10,400				8,000		2,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600				800		800	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 31

DATE 8, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	10%Pre-hydrated gel	1.05sg	23.7KL	23.7KL	1.5KL	
Active #4	KNPP	1.08sg	58.0KL	58.0KL	1.5KL	Mixing
Active #5	KNPP	1.08sg	57.0KL	57.0KL	1.5KL	Mixing
Active #6	Seawater	1.03sg	59.1KL	59.1KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

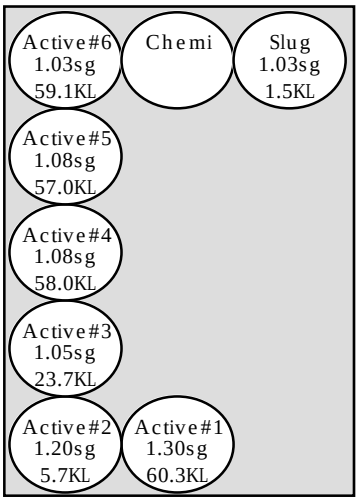
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 141.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	15.7KL	15.7KL	3.8KL	
Reserve #3	KNPP	1.08sg	108.0KL	108.0KL	3.8KL	
Reserve #4				3.8KL	3.8KL	
Reserve #5	KNPP	1.08sg	158.0KL	158.0KL	3.8KL	
Reserve #6	KNPP	1.08sg	159.3KL	159.3KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1008.1 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		103,300	121,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		2,975	1,750	
KOH		3,300		250	3,050	
Lime		3,800		2,850	950	
Soda Ash						
Tel-Polymer(H)		2,560		800	1,760	
Tel-Polymer(L)		8,960		3,200	5,760	
Tel-Polymer(DX)		12,800		4,800	8,000	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100		800	1,300	
NaCl(Bag)		57,000	6,000	30,000	27,000	
KCl(Bag)		50,000	3,000	27,000	23,000	
Clean Lube(L)		14,400		7,000	7,400	
Clean Lube		10,400		8,000	2,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600		800	800	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 84.5 ton

Total Weight 1,233.8 ton

Made by : K.kuroda

Telnite

Drilling Mud Report(Off Shore)

Engineer K.KURODA

No. 32

Date 9, June, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type:	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	11:00	Tel-Bar(Bulk)		103,300	
Depth (m)	KNPP	Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)	1.08 9.0	NaOH	50	3,025	7,500
Funnel Viscosity(sec./qt.)	95	KOH	25	275	8,250
A.V(cps) at / cent.	/ 59	Lime		2,850	
P.V(cps)	/ 38	Soda Ash			
Y.V(lb/100ft^2)	/ 42	Tel-Polymer(H)	200	1,000	310,000
10"Gel(lb/100ft^2)	/ 7	Tel-Polymer(L)	800	4,000	1,240,000
10'Gel(lb/100ft^2)	/ 8	Tel-Polymer(DX)	1,200	6,000	1,380,000
API Filtrate(cc/30min.)	4.8	XCD Polymer		400	
Cake Thickness(mm)	0.5	Xan-Vis	200	1,000	500,000
pH(-)	10.3	NaCl(Bag)	6,000	36,000	240,000
Pf(cc)	0.1	KCl(Bag)	9,000	36,000	1,350,000
Pm(cc)	0.2	Clean Lube(L)	3,000	10,000	1,740,000
Mf(cc)	0.3	Clean Lube		8,000	
Cl^-(mg/l)	61,100	Tel-Clean			
Sand Content(%)		Lignate NC			
Oil Content(% Vol.)		Telnite GXL			
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)	0.25	Telnite OS-5			
Temperature(in/out cent.)	25	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS			
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)		Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)		Speeder(X)			
n Value(600rpm/300rpm)	0.56	Tel-DD	400	1,200	256,000
k Value(600rpm/300rpm)	2.43	Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)			
		CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
11:00	25	118	80	63	41	9	7

Well Summary

Run BOP & Riser to 501m. Pressure test Kill, Choke & Booster line.
Continue run BOP & Riser. Continue mixing KNPP mud for 17" section.
*KNPP ; KCl-NaCl/Polymer/PPG

Recommendation

Mixed 119.6m3 of KCl-NaCl/Polymer/PPG mud (Total : 544.9m3).

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	7,031,750
Total Cost	47,420,860

MATERIALS REPORT

NO. 32

Well Name NanTro SEIZE Stage.2

DATE 9. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 0kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 141,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				103,300		121,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725			50	3,025	7,500	1,700	
KOH	330,000		3,300			25	275	8,250	3,025	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560			200	1,000	310,000	1,560	
Tel-Polymer(L)	1,550,000		8,960			800	4,000	1,240,000	4,960	
Tel-Polymer(DX)	1,150,000		12,800			1,200	6,000	1,380,000	6,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100			200	1,000	500,000	1,100	
NaCl(Bag)	40,000		57,000			6,000	36,000	240,000	21,000	
KCl(Bag)	150,000		50,000			9,000	36,000	1,350,000	14,000	
Clean Lube(L)	580,000		14,400			3,000	10,000	1,740,000	4,400	
Clean Lube	550,000		10,400				8,000		2,400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600			400	1,200	256,000	400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 32

DATE 9, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	10%Pre-hydrated gel	1.05sg	14.1KL	14.1KL	1.5KL	
Active #4	KNPP	1.08sg	53.8KL	53.8KL	1.5KL	Mixing
Active #5	KNPP	1.08sg	52.2KL	52.2KL	1.5KL	Mixing
Active #6	Seawater	1.03sg	59.1KL	59.1KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

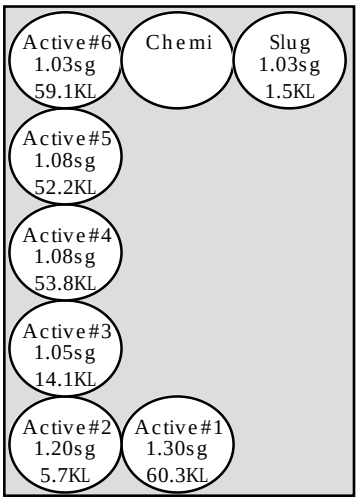
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 141.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	15.7KL	15.7KL	3.8KL	
Reserve #3	KNPP	1.08sg	163.4KL	163.4KL	3.8KL	
Reserve #4	KNPP	1.08sg	64.2KL	64.2KL	3.8KL	
Reserve #5	KNPP	1.08sg	158.0KL	158.0KL	3.8KL	
Reserve #6	KNPP	1.08sg	159.3KL	159.3KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1117.5 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		103,300	121,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725	50	3,025	1,700	
KOH		3,300	25	275	3,025	
Lime		3,800		2,850	950	
Soda Ash						
Tel-Polymer(H)		2,560	200	1,000	1,560	
Tel-Polymer(L)		8,960	800	4,000	4,960	
Tel-Polymer(DX)		12,800	1,200	6,000	6,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100	200	1,000	1,100	
NaCl(Bag)		57,000	6,000	36,000	21,000	
KCl(Bag)		50,000	9,000	36,000	14,000	
Clean Lube(L)		14,400	3,000	10,000	4,400	
Clean Lube		10,400		8,000	2,400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600	400	1,200	400	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 63.6 ton

Total Weight 1,322.3 ton

Made by : K.kuroda

Telnite

Drilling Mud Report(Off Shore)

Engineer K.KURODA

No. 33

Date 10, June, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type:	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	15:00	Tel-Bar(Bulk)		103,300	
Depth (m)	KNPP	Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)	1.08 9.0	NaOH		3,025	
Funnel Viscosity(sec./qt.)	92	KOH	75	350	24,750
A.V(cps) at / cent.	/ 55	Lime		2,850	
P.V(cps)	/ 35	Soda Ash			
Y.V(lb/100ft^2)	/ 40	Tel-Polymer(H)	200	1,200	310,000
10"Gel(lb/100ft^2)	/ 6	Tel-Polymer(L)	1,600	5,600	2,480,000
10'Gel(lb/100ft^2)	/ 8	Tel-Polymer(DX)	1,200	7,200	1,380,000
API Filtrate(cc/30min.)	4.9	XCD Polymer		400	
Cake Thickness(mm)	0.5	Xan-Vis	200	1,200	500,000
pH(-)	11.4	NaCl(Bag)	6,000	42,000	240,000
Pf(cc)	0.2	KCl(Bag)		36,000	
Pm(cc)	0.4	Clean Lube(L)	1,200	11,200	696,000
Mf(cc)	0.4	Clean Lube	2,000	10,000	1,100,000
Cl^-(mg/l)	62,100	Tel-Clean			
Sand Content(%)		Lignate NC			
Oil Content(% Vol.)		Telnite GXL			
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)	0.25	Telnite OS-5			
Temperature(in/out cent.)	27	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS			
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)	29,700	Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)	0 0	Speeder(X)			
n Value(600rpm/300rpm)	0.55	Tel-DD	200	1,400	128,000
k Value(600rpm/300rpm)	2.39	Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)			
		CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
15:00	27	110	75	58	39	8	6

Well Summary

Run BOP & Riser. Continue mixing KNPP mud for 17" section.
*KNPP ; KCl-NaCl/Polymer/PPG

Recommendation

Mixed 103.1m3 of KCl-NaCl/Polymer/PPG mud (Total : 648m3).

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	6,858,750
Total Cost	54,279,610

MATERIALS REPORT

NO. 33

Well Name NanTro SEIZE Stage.2

DATE 10. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 0kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 141,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				103,300		121,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			75	350	24,750	2,950	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560			200	1,200	310,000	1,360	
Tel-Polymer(L)	1,550,000		8,960			1,600	5,600	2,480,000	3,360	
Tel-Polymer(DX)	1,150,000		12,800			1,200	7,200	1,380,000	5,600	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100			200	1,200	500,000	900	
NaCl(Bag)	40,000		57,000			6,000	42,000	240,000	15,000	
KCl(Bag)	150,000		50,000				36,000		14,000	
Clean Lube(L)	580,000		14,400			1,200	11,200	696,000	3,200	
Clean Lube	550,000		10,400			2,000	10,000	1,100,000	400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600			200	1,400	128,000	200	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 33

DATE 10, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	60.3KL	60.3KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3				1.5KL	1.5KL	
Active #4	KNPP	1.04sg	50.2KL	50.2KL	1.5KL	Mixing
Active #5	KNPP	1.04sg	50.4KL	50.4KL	1.5KL	Mixing
Active #6	Seawater	1.03sg	59.1KL	59.1KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

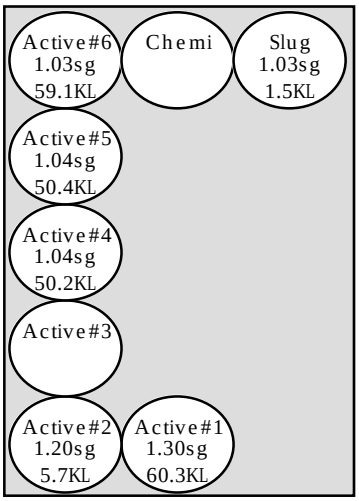
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 141.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	12%Pre-hydrated gel	1.05sg	15.7KL	15.7KL	3.8KL	
Reserve #3	KNPP	1.08sg	163.4KL	163.4KL	3.8KL	
Reserve #4	KNPP	1.08sg	161.8KL	161.8KL	3.8KL	
Reserve #5	KNPP	1.08sg	161.8KL	161.8KL	3.8KL	
Reserve #6	KNPP	1.08sg	161.0KL	161.0KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1204.2 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		103,300	121,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300	75	350	2,950	
Lime		3,800		2,850	950	
Soda Ash						
Tel-Polymer(H)		2,560	200	1,200	1,360	
Tel-Polymer(L)		8,960	1,600	5,600	3,360	
Tel-Polymer(DX)		12,800	1,200	7,200	5,600	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100	200	1,200	900	
NaCl(Bag)		57,000	6,000	42,000	15,000	
KCl(Bag)		50,000		36,000	14,000	
Clean Lube(L)		14,400	1,200	11,200	3,200	
Clean Lube		10,400	2,000	10,000	400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600	200	1,400	200	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 50.9 ton

Total Weight 1,396.4 ton

Made by : K.kuroda

Drilling Mud Report(Off Shore)

Engineer K.KURODA

No. 34

Date 11, June, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) : 100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) :	Rate (gal/min) :		

Mud Type:	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	16:30	Tel-Bar(Bulk)		103,300	
Depth (m)	KNPP	Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)	1.08 9.0	NaOH		3,025	
Funnel Viscosity(sec./qt.)	118	KOH	25	375	8,250
A.V(cps) at / cent.	/ 69	Lime		2,850	
P.V(cps)	/ 45	Soda Ash			
Y.V(lb/100ft^2)	/ 48	Tel-Polymer(H)	180	1,380	279,000
10"Gel(lb/100ft^2)	/ 8	Tel-Polymer(L)	20	5,620	31,000
10'Gel(lb/100ft^2)	/ 10	Tel-Polymer(DX)	1,200	8,400	1,380,000
API Filtrate(cc/30min.)	4.5	XCD Polymer		400	
Cake Thickness(mm)	0.5	Xan-Vis	200	1,400	500,000
pH(-)	11.1	NaCl(Bag)		42,000	
Pf(cc)	0.1	KCl(Bag)	6,000	42,000	900,000
Pm(cc)	0.3	Clean Lube(L)		11,200	
Mf(cc)	0.3	Clean Lube		10,000	
Cl^-(mg/l)	64,300	Tel-Clean			
Sand Content(%)		Lignate NC			
Oil Content(% Vol.)		Telnite GXL			
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)	0.25	Telnite OS-5			
Temperature(in/out cent.)	25	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS			
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)	30,200	Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)	0 0	Speeder(X)			
n Value(600rpm/300rpm)	0.57	Tel-DD		1,400	
k Value(600rpm/300rpm)	2.67	Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)			
		CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
16:30	25	138	93	70	46	10	8

Well Summary

Run BOP & Riser. Mixing KNPP mud for 17" section.
*KNPP ; KCl-NaCl/Polymer/PPG

Recommendation

Mixed 105m3 of KCl-NaCl/Polymer/PPG mud (Total : 753m3).

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	3,098,250
Total Cost	57,377,860

MATERIALS REPORT

NO. 34

Well Name NanTro SEIZE Stage.2

DATE 11. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 0kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 141,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				103,300		121,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			25	375	8,250	2,925	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560			180	1,380	279,000	1,180	
Tel-Polymer(L)	1,550,000		8,960			20	5,620	31,000	3,340	
Tel-Polymer(DX)	1,150,000		12,800			1,200	8,400	1,380,000	4,400	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100			200	1,400	500,000	700	
NaCl(Bag)	40,000	6,000	63,000				42,000		21,000	
KCl(Bag)	150,000	16,000	66,000			6,000	42,000	900,000	24,000	
Clean Lube(L)	580,000		14,400				11,200		3,200	
Clean Lube	550,000		10,400				10,000		400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600				1,400		200	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 34

DATE 11, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	12%Pre-hydrated gel	1.05sg	7.6KL	7.6KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	Drill water	1.00sg	19.6KL	19.6KL	1.5KL	
Active #4	KNPP	1.08sg	53.0KL	53.0KL	1.5KL	
Active #5	KNPP	1.08sg	52.0KL	52.0KL	1.5KL	
Active #6	Seawater	1.03sg	59.1KL	59.1KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

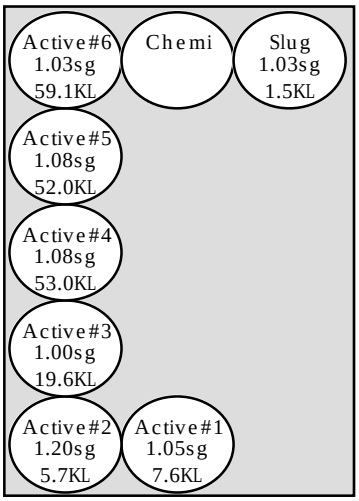
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 141.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	163.4KL	163.4KL	3.8KL	
Reserve #4	KNPP	1.08sg	161.8KL	161.8KL	3.8KL	
Reserve #5	KNPP	1.08sg	161.8KL	161.8KL	3.8KL	
Reserve #6	KNPP	1.08sg	161.0KL	161.0KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1224.0 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		103,300	121,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300	25	375	2,925	
Lime		3,800		2,850	950	
Soda Ash						
Tel-Polymer(H)		2,560	180	1,380	1,180	
Tel-Polymer(L)		8,960	20	5,620	3,340	
Tel-Polymer(DX)		12,800	1,200	8,400	4,400	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100	200	1,400	700	
NaCl(Bag)	6,000	63,000		42,000	21,000	
KCl(Bag)	16,000	66,000	6,000	42,000	24,000	
Clean Lube(L)		14,400		11,200	3,200	
Clean Lube		10,400		10,000	400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600		1,400	200	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 65.3 ton

Total Weight 1,430.6 ton

Made by : K.kuroda

Telnite

Drilling Mud Report(Off Shore)

Engineer K.KURODA

No. 35

Date 12, June, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type:	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)		23:30		Tel-Bar(Bulk)		103,300	
Depth (m)		KNPP		Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)		1.08 | 9.0		NaOH		3,025	
Funnel Viscosity(sec./qt.)		91		KOH	50	425	16,500
A.V(cps) at / cent.		/ 49		Lime		2,850	
P.V(cps)		/ 31		Soda Ash			
Y.V(lb/100ft^2)		/ 36		Tel-Polymer(H)	100	1,480	155,000
10"Gel(lb/100ft^2)		/ 8		Tel-Polymer(L)	400	6,020	620,000
10'Gel(lb/100ft^2)		/ 10		Tel-Polymer(DX)	600	9,000	690,000
API Filtrate(cc/30min.)		5.3		XCD Polymer		400	
Cake Thickness(mm)		0.5		Xan-Vis	100	1,500	250,000
pH(-)		11.2		NaCl(Bag)	3,000	45,000	120,000
Pf(cc)		0.1		KCl(Bag)	3,000	45,000	450,000
Pm(cc)		0.3		Clean Lube(L)	1,600	12,800	928,000
Mf(cc)		0.3		Clean Lube		10,000	
Cl^-(mg/l)		62,500		Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL			
Solid Content(% Vol.)				Baracor 100			
M.B.C.(cc/cc.mud)		0.00		Telnite OS-5			
Temperature(in/out cent.)		25		Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS			
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)		29,700		Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)		0 | 0		Speeder(X)			
n Value(600rpm/300rpm)		0.55		Tel-DD	200	1,600	128,000
k Value(600rpm/300rpm)		2.19		Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)			
				CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
23:30	25	98	67	54	40	9	7

Well Summary

Run BOP & Riser. P/U & run slip joint and gooseneck installation level.
R/U and install Choke, Kill & Booster Conduit hose's. Mixing KNPP mud for 17" section.
*KNPP ; KCl-NaCl/Polymer/PPG

Recommendation

Mixed 54.9m3 of KCl-NaCl/Polymer/PPG mud (for dilution).
Total : 807.8m3 (753m3 for displacement)

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	3,357,500
Total Cost	60,735,360

MATERIALS REPORT

NO. 35

Well Name NanTro SEIZE Stage.2

DATE 12. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 0kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 141,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				103,300		121,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			50	425	16,500	2,875	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560			100	1,480	155,000	1,080	
Tel-Polymer(L)	1,550,000		8,960			400	6,020	620,000	2,940	
Tel-Polymer(DX)	1,150,000		12,800			600	9,000	690,000	3,800	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100			100	1,500	250,000	600	
NaCl(Bag)	40,000	17,000	80,000			3,000	45,000	120,000	35,000	
KCl(Bag)	150,000		66,000			3,000	45,000	450,000	21,000	
Clean Lube(L)	580,000		14,400			1,600	12,800	928,000	1,600	
Clean Lube	550,000		10,400				10,000		400	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		90						90	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000									
EZ Spot	1,560									
Speeder(P)	820,000									
Speeder(X)	870,000									
Tel-DD	640,000		1,600			200	1,600	128,000	0	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000									
Tel-Stop(P)	240,000									
Tel-Mica(C)	450,000									
Tel-Mica(M)	450,000									
Tel-Mica(F)	450,000									
Tel-Plug(C)	350,000									
Tel-Plug(M)	350,000									
Tel-Plug(F)	350,000									
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 35

DATE 12, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	12%Pre-hydrated gel	1.05sg	7.6KL	7.6KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	KNPP	1.08sg	54.9KL	54.9KL	1.5KL	
Active #4	KNPP	1.08sg	53.0KL	53.0KL	1.5KL	
Active #5	KNPP	1.08sg	52.0KL	52.0KL	1.5KL	
Active #6	Seawater	1.03sg	69.1KL	69.1KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

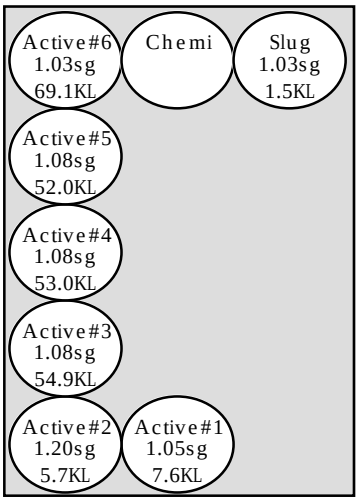
Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 141.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	163.4KL	163.4KL	3.8KL	
Reserve #4	KNPP	1.08sg	161.8KL	161.8KL	3.8KL	
Reserve #5	KNPP	1.08sg	161.8KL	161.8KL	3.8KL	
Reserve #6	KNPP	1.08sg	161.0KL	161.0KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						



Mud Tank Total WT 1274.0 ton

Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		103,300	121,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300	50	425	2,875	
Lime		3,800		2,850	950	
Soda Ash						
Tel-Polymer(H)		2,560	100	1,480	1,080	
Tel-Polymer(L)		8,960	400	6,020	2,940	
Tel-Polymer(DX)		12,800	600	9,000	3,800	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100	100	1,500	600	
NaCl(Bag)	17,000	80,000	3,000	45,000	35,000	
KCl(Bag)		66,000	3,000	45,000	21,000	
Clean Lube(L)		14,400	1,600	12,800	1,600	
Clean Lube		10,400		10,000	400	
Tel-Clean						
Lignate NC						
Telnite GXL		90			90	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS						
EZ Spot						
Speeder(P)						
Speeder(X)						
Tel-DD		1,600	200	1,600	0	
Deformer No.30C		224			224	
Tel-Stop(G)						
Tel-Stop(P)						
Tel-Mica(C)						
Tel-Mica(M)						
Tel-Mica(F)						
Tel-Plug(C)						
Tel-Plug(F)						
CaCl2(without water)						

Total SX ROOM Weight 73.3 ton

Total Weight 1,488.5 ton

Made by : K.kuroda

Drilling Mud Report(Off Shore)

Telnite

No. 36 | Date 13, June, 2009 | Engineer K.KURODA

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type:	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	15:00	Tel-Bar(Bulk)		103,300	
Depth (m)	KNPP	Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)	1.08 9.0	NaOH		3,025	
Funnel Viscosity(sec./qt.)	93	KOH	50	475	16,500
A.V(cps) at / cent.	/ 54	Lime		2,850	
P.V(cps)	/ 34	Soda Ash			
Y.V(lb/100ft^2)	/ 40	Tel-Polymer(H)	100	1,580	155,000
10"Gel(lb/100ft^2)	/ 7	Tel-Polymer(L)	400	6,420	620,000
10'Gel(lb/100ft^2)	/ 9	Tel-Polymer(DX)	600	9,600	690,000
API Filtrate(cc/30min.)	5.3	XCD Polymer		400	
Cake Thickness(mm)	0.5	Xan-Vis	100	1,600	250,000
pH(-)	11.3	NaCl(Bag)	3,000	48,000	120,000
Pf(cc)	0.1	KCl(Bag)	3,000	48,000	450,000
Pm(cc)	0.3	Clean Lube(L)	1,000	13,800	580,000
Mf(cc)	0.3	Clean Lube	400	10,400	220,000
Cl^-(mg/l)	62,900	Tel-Clean			
Sand Content(%)		Lignate NC			
Oil Content(% Vol.)		Telnite GXL			
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)		Telnite OS-5			
Temperature(in/out cent.)	25	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS			
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)	29,700	Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)	0 0	Speeder(X)			
n Value(600rpm/300rpm)	0.55	Tel-DD		1,600	
k Value(600rpm/300rpm)	2.47	Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)			
		CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
15:00	25	108	74	57	38	9	7

Well Summary

R/U and install Choke, Kill & Booster Conduit hose's. Pressure test Kill, Choke & Booster line. Install extended Mux clamps, and re-positioning of Mux line to clamps. Run TJ, P/U and connect landing joint. Install load ring. Set up CMC & tensioners pressures. Move vessel 10m from well head. Mixing KNPP mud for 17" section.
*KNPP ; KCl-NaCl/Polymer/PPG

Recommendation

Mixed 53.7m3 of KCl-NaCl/Polymer/PPG mud (for dilution).
Total : 861.5m3 (753m3 for displacement)

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	3,101,500
Total Cost	63,836,860

MATERIALS REPORT

NO. 36

Well Name NanTro SEIZE Stage.2

DATE 13. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 0kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 141,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				103,300		121,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			50	475	16,500	2,825	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560			100	1,580	155,000	980	
Tel-Polymer(L)	1,550,000		8,960			400	6,420	620,000	2,540	
Tel-Polymer(DX)	1,150,000		12,800			600	9,600	690,000	3,200	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100			100	1,600	250,000	500	
NaCl(Bag)	40,000		80,000			3,000	48,000	120,000	32,000	
KCl(Bag)	150,000	4,000	70,000			3,000	48,000	450,000	22,000	
Clean Lube(L)	580,000	7,200	21,600			1,000	13,800	580,000	7,800	
Clean Lube	550,000		10,400			400	10,400	220,000	0	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000	180	270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000	1,600	1,600						1,600	
EZ Spot	1,560	440	440						440	
Speeder(P)	820,000	1,360	1,360						1,360	
Speeder(X)	870,000	1,360	1,360						1,360	
Tel-DD	640,000	1,400	3,000				1,600		1,400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000	500	500						500	
Tel-Stop(P)	240,000	1,000	1,000						1,000	
Tel-Mica(C)	450,000	500	500						500	
Tel-Mica(M)	450,000	500	500						500	
Tel-Mica(F)	450,000	1,000	1,000						1,000	
Tel-Plug(C)	350,000	500	500						500	
Tel-Plug(M)	350,000	500	500						500	
Tel-Plug(F)	350,000	1,000	1,000						1,000	
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 36

DATE 13, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	12%Pre-hydrated gel	1.05sg	7.6KL	7.6KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	KNPP	1.08sg	55.4KL	55.4KL	1.5KL	
Active #4	KNPP	1.08sg	53.0KL	53.0KL	1.5KL	
Active #5	KNPP	1.08sg	52.0KL	52.0KL	1.5KL	
Active #6	Seawater	1.03sg	56.0KL	56.0KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

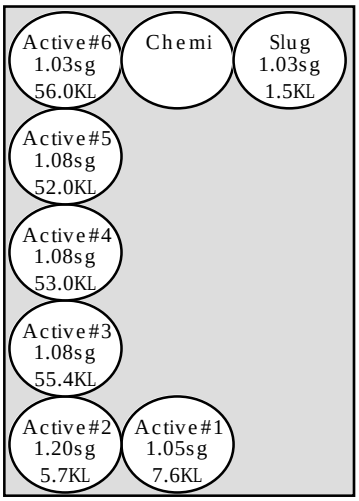
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 141.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	175.4KL	175.4KL	3.8KL	
Reserve #4	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #5	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #6	KNPP	1.08sg	175.1KL	175.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1318.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		103,300	121,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300	50	475	2,825	
Lime		3,800		2,850	950	
Soda Ash						
Tel-Polymer(H)		2,560	100	1,580	980	
Tel-Polymer(L)		8,960	400	6,420	2,540	
Tel-Polymer(DX)		12,800	600	9,600	3,200	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100	100	1,600	500	
NaCl(Bag)		80,000	3,000	48,000	32,000	
KCl(Bag)	4,000	70,000	3,000	48,000	22,000	
Clean Lube(L)	7,200	21,600	1,000	13,800	7,800	
Clean Lube		10,400	400	10,400	0	
Tel-Clean						
Lignate NC						
Telnite GXL	180	270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS	1,600	1,600			1,600	
EZ Spot	440	440			440	
Speeder(P)	1,360	1,360			1,360	
Speeder(X)	1,360	1,360			1,360	
Tel-DD	1,400	3,000		1,600	1,400	
Deformer No.30C		224			224	
Tel-Stop(G)	500	500			500	
Tel-Stop(P)	1,000	1,000			1,000	
Tel-Mica(C)	500	500			500	
Tel-Mica(M)	500	500			500	
Tel-Mica(F)	1,000	1,000			1,000	
Tel-Plug(C)	500	500			500	
Tel-Plug(F)	1,000	1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 87.6 ton

Total Weight 1,547.3 ton

Made by : K.kuroda

Drilling Mud Report(Off Shore)

Engineer K.KURODA

No. 37 | Date 14, June, 2009 | TOTAL Depth(MSL) m

Company MQJ | Well Name NanTro SEIZE Stage.2 | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	
Intermediate	in m	T/Circ Vol. (m^3) :	100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	System Total :
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type:	Mud Properties						Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)			11:00				Tel-Bar(Bulk)		103,300	
Depth (m)			KNPP				Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)			1.08	9.0			NaOH		3,025	
Funnel Viscosity(sec./qt.)			93				KOH		475	
A.V(cps) at / cent.			/				Lime		2,850	
P.V(cps)			/				Soda Ash			
Y.V(lb/100ft^2)			/				Tel-Polymer(H)		1,580	
10"Gel(lb/100ft^2)			/				Tel-Polymer(L)		6,420	
10'Gel(lb/100ft^2)			/				Tel-Polymer(DX)		9,600	
API Filtrate(cc/30min.)							XCD Polymer		400	
Cake Thickness(mm)							Xan-Vis		1,600	
pH(-)							NaCl(Bag)		48,000	
Pf(cc)							KCl(Bag)		48,000	
Pm(cc)							Clean Lube(L)		13,800	
Mf(cc)							Clean Lube		10,400	
Cl^-(mg/l)							Tel-Clean			
Sand Content(%)							Lignate NC			
Oil Content(% Vol.)							Telnite GXL			
Solid Content(% Vol.)							Baracor 100			
M.B.C.(cc/cc.mud)							Telnite OS-5			
Temperature(in/out cent.)							Bi-Carbonate			
HT-HP Filtrate(cc)							Treat HS			
HT-HP Filtrate Cake(mm)							EZ Spot			
K^+(mg/l)							Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)							Speeder(X)			
n Value(600rpm/300rpm)							Tel-DD		1,600	
k Value(600rpm/300rpm)							Deformer No.30C			
LGS/Drill Solids(% Vol.)							Tel-Stop(G)			
							Tel-Stop(P)			
							Tel-Mica(C)			
							Tel-Mica(M)			
							Tel-Mica(F)			
							Tel-Plug(C)			
							Tel-Plug(M)			
							Tel-Plug(F)			
							CaCl2(without water)			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
11:00							

Well Summary

Troubleshoot with RARS valve fault in tensioner. Completed installation of moonpool index line. Pressure tested Choke & Kill manifold. Pressure tested stand pipe manifold.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	63,836,860

MATERIALS REPORT

NO. 37

Well Name NanTro SEIZE Stage.2

DATE 14. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 0kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 141,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				103,300		121,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				475		2,825	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560				1,580		980	
Tel-Polymer(L)	1,550,000		8,960				6,420		2,540	
Tel-Polymer(DX)	1,150,000		12,800				9,600		3,200	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100				1,600		500	
NaCl(Bag)	40,000		80,000				48,000		32,000	
KCl(Bag)	150,000		70,000				48,000		22,000	
Clean Lube(L)	580,000		21,600				13,800		7,800	
Clean Lube	550,000		10,400				10,400		0	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		440						440	
Speeder(P)	820,000		1,360						1,360	
Speeder(X)	870,000		1,360						1,360	
Tel-DD	640,000		3,000				1,600		1,400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 37

DATE 14, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	12%Pre-hydrated gel	1.05sg	7.6KL	7.6KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	KNPP	1.08sg	55.4KL	55.4KL	1.5KL	
Active #4	KNPP	1.08sg	53.0KL	53.0KL	1.5KL	
Active #5	KNPP	1.08sg	52.0KL	52.0KL	1.5KL	
Active #6	Seawater	1.03sg	56.0KL	56.0KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

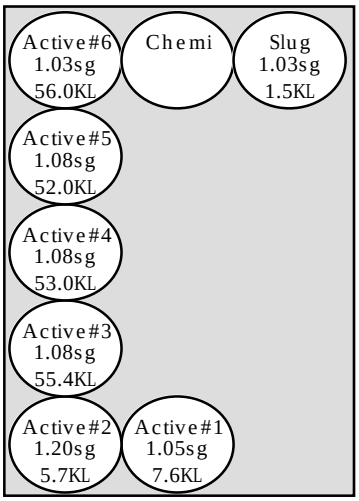
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 141.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	175.4KL	175.4KL	3.8KL	
Reserve #4	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #5	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #6	KNPP	1.08sg	175.1KL	175.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1318.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		103,300	121,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300		475	2,825	
Lime		3,800		2,850	950	
Soda Ash						
Tel-Polymer(H)		2,560		1,580	980	
Tel-Polymer(L)		8,960		6,420	2,540	
Tel-Polymer(DX)		12,800		9,600	3,200	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100		1,600	500	
NaCl(Bag)		80,000		48,000	32,000	
KCl(Bag)		70,000		48,000	22,000	
Clean Lube(L)		21,600		13,800	7,800	
Clean Lube		10,400		10,400	0	
Tel-Clean						
Lignate NC						
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		440			440	
Speeder(P)		1,360			1,360	
Speeder(X)		1,360			1,360	
Tel-DD		3,000		1,600	1,400	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 87.6 ton

Total Weight 1,547.3 ton

Made by : K.kuroda

Drilling Mud Report(Off Shore)

Engineer K.KURODA

No. 38

Date 15, June, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) : 100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :	Rate (gal/min) :		

Mud Type:	Mud Properties						Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)			11:00				Tel-Bar(Bulk)		103,300	
Depth (m)			KNPP				Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)			1.08	9.0			NaOH		3,025	
Funnel Viscosity(sec./qt.)			93				KOH		475	
A.V(cps) at / cent.			/				Lime		2,850	
P.V(cps)			/				Soda Ash			
Y.V(lb/100ft^2)			/				Tel-Polymer(H)		1,580	
10"Gel(lb/100ft^2)			/				Tel-Polymer(L)		6,420	
10'Gel(lb/100ft^2)			/				Tel-Polymer(DX)		9,600	
API Filtrate(cc/30min.)							XCD Polymer		400	
Cake Thickness(mm)							Xan-Vis		1,600	
pH(-)							NaCl(Bag)		48,000	
Pf(cc)							KCl(Bag)		48,000	
Pm(cc)							Clean Lube(L)		13,800	
Mf(cc)							Clean Lube		10,400	
Cl^-(mg/l)							Tel-Clean			
Sand Content(%)							Lignate NC			
Oil Content(% Vol.)							Telnite GXL			
Solid Content(% Vol.)							Baracor 100			
M.B.C.(cc/cc.mud)							Telnite OS-5			
Temperature(in/out cent.)							Bi-Carbonate			
HT-HP Filtrate(cc)							Treat HS			
HT-HP Filtrate Cake(mm)							EZ Spot			
K^+(mg/l)							Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)							Speeder(X)			
n Value(600rpm/300rpm)							Tel-DD		1,600	
k Value(600rpm/300rpm)							Deformer No.30C			
LGS/Drill Solids(% Vol.)							Tel-Stop(G)			
							Tel-Stop(P)			
							Tel-Mica(C)			
							Tel-Mica(M)			
							Tel-Mica(F)			
							Tel-Plug(C)			
							Tel-Plug(M)			
							Tel-Plug(F)			
							CaCl2(without water)			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
11:00							

Well Summary

Troubleshoot with RARS valve fault in tensioner.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	63,836,860

MATERIALS REPORT

NO. 38

Well Name NanTro SEIZE Stage.2

DATE 15. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			0kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 0kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 141,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		225,000				103,300		121,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				475		2,825	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000									
Tel-Polymer(H)	1,550,000		2,560				1,580		980	
Tel-Polymer(L)	1,550,000		8,960				6,420		2,540	
Tel-Polymer(DX)	1,150,000		12,800				9,600		3,200	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,100				1,600		500	
NaCl(Bag)	40,000		80,000				48,000		32,000	
KCl(Bag)	150,000		70,000				48,000		22,000	
Clean Lube(L)	580,000		21,600				13,800		7,800	
Clean Lube	550,000		10,400				10,400		0	
Tel-Clean	900,000									
Lignate NC	377,000									
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		440						440	
Speeder(P)	820,000		1,360						1,360	
Speeder(X)	870,000		1,360						1,360	
Tel-DD	640,000		3,000				1,600		1,400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 38

DATE 15, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	12%Pre-hydrated gel	1.05sg	7.6KL	7.6KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	KNPP	1.08sg	55.4KL	55.4KL	1.5KL	
Active #4	KNPP	1.08sg	53.0KL	53.0KL	1.5KL	
Active #5	KNPP	1.08sg	52.0KL	52.0KL	1.5KL	
Active #6	Seawater	1.03sg	56.0KL	56.0KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

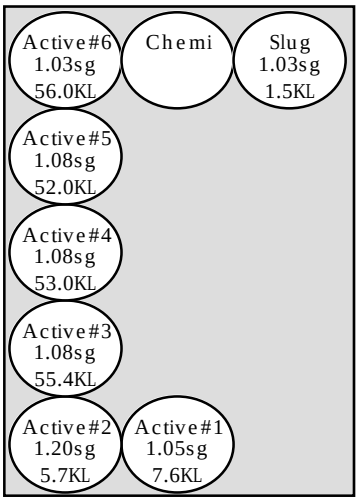
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 141.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	175.4KL	175.4KL	3.8KL	
Reserve #4	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #5	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #6	KNPP	1.08sg	175.1KL	175.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1318.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		103,300	121,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300		475	2,825	
Lime		3,800		2,850	950	
Soda Ash						
Tel-Polymer(H)		2,560		1,580	980	
Tel-Polymer(L)		8,960		6,420	2,540	
Tel-Polymer(DX)		12,800		9,600	3,200	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,100		1,600	500	
NaCl(Bag)		80,000		48,000	32,000	
KCl(Bag)		70,000		48,000	22,000	
Clean Lube(L)		21,600		13,800	7,800	
Clean Lube		10,400		10,400	0	
Tel-Clean						
Lignate NC						
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		440			440	
Speeder(P)		1,360			1,360	
Speeder(X)		1,360			1,360	
Tel-DD		3,000		1,600	1,400	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 87.6 ton

Total Weight 1,547.3 ton

Made by : K.kuroda

Telnite

Drilling Mud Report(Off Shore)

Engineer K.KURODA

No. 39

Date 16, June, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data		Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5		Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5		Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :		Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :		System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :		P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :		
		Bit Size (inch) :		Rate (gal/min) :			

Mud Type:	Mud Properties						Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)			11:00				Tel-Bar(Bulk)		103,300	
Depth (m)			KNPP				Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)			1.08	9.0			NaOH		3,025	
Funnel Viscosity(sec./qt.)			93				KOH		475	
A.V(cps) at / cent.			/				Lime		2,850	
P.V(cps)			/				Soda Ash			
Y.V(lb/100ft^2)			/				Tel-Polymer(H)		1,580	
10"Gel(lb/100ft^2)			/				Tel-Polymer(L)		6,420	
10'Gel(lb/100ft^2)			/				Tel-Polymer(DX)		9,600	
API Filtrate(cc/30min.)							XCD Polymer		400	
Cake Thickness(mm)							Xan-Vis		1,600	
pH(-)							NaCl(Bag)		48,000	
Pf(cc)							KCl(Bag)		48,000	
Pm(cc)							Clean Lube(L)		13,800	
Mf(cc)							Clean Lube		10,400	
Cl^-(mg/l)							Tel-Clean			
Sand Content(%)							Lignate NC			
Oil Content(% Vol.)							Telnite GXL			
Solid Content(% Vol.)							Baracor 100			
M.B.C.(cc/cc.mud)							Telnite OS-5			
Temperature(in/out cent.)							Bi-Carbonate			
HT-HP Filtrate(cc)							Treat HS			
HT-HP Filtrate Cake(mm)							EZ Spot			
K^+(mg/l)							Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)							Speeder(X)			
n Value(600rpm/300rpm)							Tel-DD		1,600	
k Value(600rpm/300rpm)							Deformer No.30C			
LGS/Drill Solids(% Vol.)							Tel-Stop(G)			
							Tel-Stop(P)			
							Tel-Mica(C)			
							Tel-Mica(M)			
							Tel-Mica(F)			
							Tel-Plug(C)			
							Tel-Plug(M)			
							Tel-Plug(F)			
							CaCl2(without water)			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
11:00							

Well Summary

Troubleshoot with RARS valve fault in tensioner.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	63,836,860

MATERIALS REPORT

NO. 39

Well Name NanTro SEIZE Stage.2

DATE 16. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite	100,000kg		100,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 100,000k	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 241,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000	100,000	325,000				103,300		221,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				475		2,825	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000	1,600	1,600						1,600	
Tel-Polymer(H)	1,550,000		2,560				1,580		980	
Tel-Polymer(L)	1,550,000		8,960				6,420		2,540	
Tel-Polymer(DX)	1,150,000		12,800				9,600		3,200	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000	700	2,800				1,600		1,200	
NaCl(Bag)	40,000	20,000	100,000				48,000		52,000	
KCl(Bag)	150,000		70,000				48,000		22,000	
Clean Lube(L)	580,000		21,600				13,800		7,800	
Clean Lube	550,000	7,200	17,600				10,400		7,200	
Tel-Clean	900,000									
Lignate NC	377,000	3,600	3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560	110	550						550	
Speeder(P)	820,000	340	1,700						1,700	
Speeder(X)	870,000	340	1,700						1,700	
Tel-DD	640,000		3,000				1,600		1,400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 39

DATE 16, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	12%Pre-hydrated gel	1.05sg	7.6KL	7.6KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	KNPP	1.08sg	55.4KL	55.4KL	1.5KL	
Active #4	KNPP	1.08sg	53.0KL	53.0KL	1.5KL	
Active #5	KNPP	1.08sg	52.0KL	52.0KL	1.5KL	
Active #6	Seawater	1.03sg	56.0KL	56.0KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

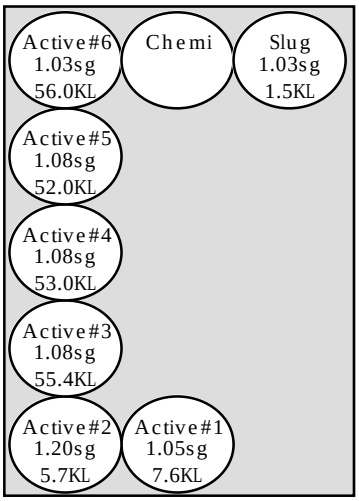
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	100,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 241.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	175.4KL	175.4KL	3.8KL	
Reserve #4	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #5	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #6	KNPP	1.08sg	175.1KL	175.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1318.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		225,000		103,300	121,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300		475	2,825	
Lime		3,800		2,850	950	
Soda Ash	1,600	1,600			1,600	
Tel-Polymer(H)		2,560		1,580	980	
Tel-Polymer(L)		8,960		6,420	2,540	
Tel-Polymer(DX)		12,800		9,600	3,200	
XCD Polymer		1,400		400	1,000	
Xan-Vis	700	2,800		1,600	1,200	
NaCl(Bag)	20,000	100,000		48,000	52,000	
KCl(Bag)		70,000		48,000	22,000	
Clean Lube(L)		21,600		13,800	7,800	
Clean Lube	7,200	17,600		10,400	7,200	
Tel-Clean						
Lignate NC	3,600	3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot	110	550			550	
Speeder(P)	340	1,700			1,700	
Speeder(X)	340	1,700			1,700	
Tel-DD		3,000		1,600	1,400	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 121.5 ton

Total Weight 1,681.2 ton

Made by : K.kuroda

Telnite

Drilling Mud Report(Off Shore)

Engineer K.KURODA

No. 40

Date 17, June, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) : 100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) :	Rate (gal/min) :		

Mud Type:	Mud Properties		
Time (Sampling : Suction)		11:00	
Depth (m)		KNPP	
Mud Weight (SG/PPG)		1.08 9.0	
Funnel Viscosity(sec./qt.)		93	
A.V(cps) at / cent.		/	
P.V(cps)		/	
Y.V(lb/100ft^2)		/	
10"Gel(lb/100ft^2)		/	
10'Gel(lb/100ft^2)		/	
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)			
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)			
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)			
k Value(600rpm/300rpm)			
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		103,300	
Kunigel-VO(Bulk)		138,200	
NaOH		3,025	
KOH		475	
Lime		2,850	
Soda Ash			
Tel-Polymer(H)		1,580	
Tel-Polymer(L)		6,420	
Tel-Polymer(DX)		9,600	
XCD Polymer		400	
Xan-Vis		1,600	
NaCl(Bag)		48,000	
KCl(Bag)		48,000	
Clean Lube(L)		13,800	
Clean Lube		10,400	
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		1,600	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
11:00							

Well Summary

Troubleshoot with RARS valve fault in tensioner. Land BOP. Connector / CSG pressure test. L/D landing joint. P/U & run diverter. R/U to pressure test diverter.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	63,836,860

MATERIALS REPORT

NO. 40

Well Name NanTro SEIZE Stage.2

DATE 17. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			100,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 100,000k	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 241,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				103,300		221,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				475		2,825	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		2,560				1,580		980	
Tel-Polymer(L)	1,550,000		8,960				6,420		2,540	
Tel-Polymer(DX)	1,150,000		12,800				9,600		3,200	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,800				1,600		1,200	
NaCl(Bag)	40,000		100,000				48,000		52,000	
KCl(Bag)	150,000		70,000				48,000		22,000	
Clean Lube(L)	580,000		21,600				13,800		7,800	
Clean Lube	550,000		17,600				10,400		7,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		3,000				1,600		1,400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 40

DATE 17, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	12%Pre-hydrated gel	1.05sg	7.6KL	7.6KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	KNPP	1.08sg	55.4KL	55.4KL	1.5KL	
Active #4	KNPP	1.08sg	53.0KL	53.0KL	1.5KL	
Active #5	KNPP	1.08sg	52.0KL	52.0KL	1.5KL	
Active #6	Seawater	1.03sg	56.0KL	56.0KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

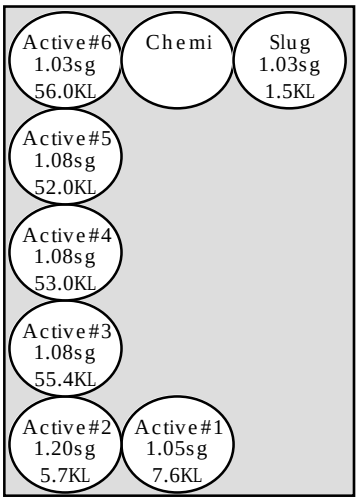
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	100,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 241.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	175.4KL	175.4KL	3.8KL	
Reserve #4	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #5	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #6	KNPP	1.08sg	175.1KL	175.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1318.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		103,300	221,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300		475	2,825	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		2,560		1,580	980	
Tel-Polymer(L)		8,960		6,420	2,540	
Tel-Polymer(DX)		12,800		9,600	3,200	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,800		1,600	1,200	
NaCl(Bag)		100,000		48,000	52,000	
KCl(Bag)		70,000		48,000	22,000	
Clean Lube(L)		21,600		13,800	7,800	
Clean Lube		17,600		10,400	7,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		3,000		1,600	1,400	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 121.5 ton

Total Weight 1,681.2 ton

Made by : K.kuroda

Drilling Mud Report(Off Shore)

Engineer K.KURODA

No. 41 | Date 18, June, 2009 | TOTAL Depth(MSL) m

Company MQJ | Well Name NanTro SEIZE Stage.2 | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) : 100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) :	Rate (gal/min) :		

Mud Type:	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	15:00	Tel-Bar(Bulk)		103,300	
Depth (m)	KNPP	Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)	1.08 9.0	NaOH		3,025	
Funnel Viscosity(sec./qt.)	93	KOH		475	
A.V(cps) at / cent.	/ 64	Lime		2,850	
P.V(cps)	/ 42	Soda Ash			
Y.V(lb/100ft^2)	/ 44	Tel-Polymer(H)		1,580	
10"Gel(lb/100ft^2)	/ 8	Tel-Polymer(L)		6,420	
10'Gel(lb/100ft^2)	/ 11	Tel-Polymer(DX)		9,600	
API Filtrate(cc/30min.)		XCD Polymer		400	
Cake Thickness(mm)		Xan-Vis		1,600	
pH(-)	10.4	NaCl(Bag)		48,000	
Pf(cc)		KCl(Bag)		48,000	
Pm(cc)		Clean Lube(L)		13,800	
Mf(cc)		Clean Lube		10,400	
Cl^-(mg/l)		Tel-Clean			
Sand Content(%)		Lignate NC			
Oil Content(% Vol.)		Telnite GXL			
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)		Telnite OS-5			
Temperature(in/out cent.)	27	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS			
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)		Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)		Speeder(X)			
n Value(600rpm/300rpm)	0.57	Tel-DD		1,600	
k Value(600rpm/300rpm)	2.40	Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)			
		CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
15:00	27		128	86			

Well Summary

Prepare to diverter pressure test. Line up system and energize test packer on tool. Attempt to pressure test, unable to pressure up. Decision pump w/CMT unit. Line test hose up to CMT unit. M/U riser running tool to diverter tool. Conduct vessel heading change test. Observe no movement at load rotation bearing. Attempt free load ring bearing w/changing tensioner tension & direction.

Recommendation

Check Viscosity, Rheology and pH of KNPP mud in Active No.5

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	63,836,860

MATERIALS REPORT

NO. 41

Well Name NanTro SEIZE Stage.2

DATE 18. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			100,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 100,000k	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 241,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				103,300		221,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				475		2,825	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		2,560				1,580		980	
Tel-Polymer(L)	1,550,000		8,960				6,420		2,540	
Tel-Polymer(DX)	1,150,000		12,800				9,600		3,200	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,800				1,600		1,200	
NaCl(Bag)	40,000		100,000				48,000		52,000	
KCl(Bag)	150,000		70,000				48,000		22,000	
Clean Lube(L)	580,000		21,600				13,800		7,800	
Clean Lube	550,000		17,600				10,400		7,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		3,000				1,600		1,400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 41

DATE 18, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	12%Pre-hydrated gel	1.05sg	7.6KL	7.6KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	KNPP	1.08sg	55.4KL	55.4KL	1.5KL	
Active #4	KNPP	1.08sg	54.2KL	54.2KL	1.5KL	
Active #5	KNPP	1.08sg	53.0KL	53.0KL	1.5KL	
Active #6	Seawater	1.03sg	46.0KL	46.0KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

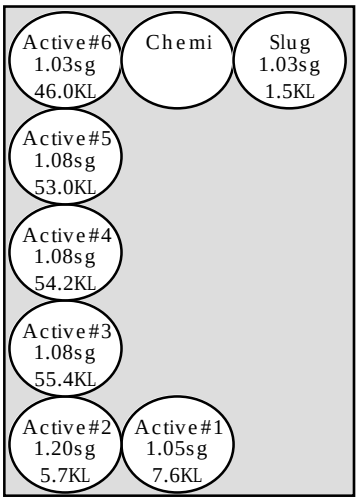
Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	100,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 241.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	175.4KL	175.4KL	3.8KL	
Reserve #4	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #5	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #6	KNPP	1.08sg	175.1KL	175.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						



Mud Tank Total WT 1310.5 ton

Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		103,300	221,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300		475	2,825	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		2,560		1,580	980	
Tel-Polymer(L)		8,960		6,420	2,540	
Tel-Polymer(DX)		12,800		9,600	3,200	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,800		1,600	1,200	
NaCl(Bag)		100,000		48,000	52,000	
KCl(Bag)		70,000		48,000	22,000	
Clean Lube(L)		21,600		13,800	7,800	
Clean Lube		17,600		10,400	7,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		3,000		1,600	1,400	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 121.5 ton

Total Weight 1,673.3 ton

Made by : K.kuroda

Drilling Mud Report(Off Shore)

Engineer H.Maruyama

No. 42 | Date 19, June, 2009 | TOTAL Depth(MSL) m

Company MQJ | Well Name NanTro SEIZE Stage.2 | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type:	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)		14:30		Tel-Bar(Bulk)		103,300	
Depth (m)		KNPP		Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)		1.08 9.0		NaOH		3,025	
Funnel Viscosity(sec./qt.)		95		KOH		475	
A.V(cps) at / cent.		/		Lime		2,850	
P.V(cps)		/		Soda Ash			
Y.V(lb/100ft^2)		/		Tel-Polymer(H)		1,580	
10"Gel(lb/100ft^2)		/		Tel-Polymer(L)		6,420	
10'Gel(lb/100ft^2)		/		Tel-Polymer(DX)		9,600	
API Filtrate(cc/30min.)				XCD Polymer		400	
Cake Thickness(mm)				Xan-Vis		1,600	
pH(-)		10.5		NaCl(Bag)		48,000	
Pf(cc)				KCl(Bag)		48,000	
Pm(cc)				Clean Lube(L)		13,800	
Mf(cc)				Clean Lube		10,400	
Cl^-(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL			
Solid Content(% Vol.)				Baracor 100			
M.B.C.(cc/cc.mud)				Telnite OS-5			
Temperature(in/out cent.)		27		Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS			
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)				Tel-DD		1,600	
k Value(600rpm/300rpm)				Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)			
				CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
14:30	27						

Well Summary

continue changing vessel heading. Attempt to free up load ring bearing. Rig up spider gimbals ass'y and riser trq tools. M/up riser running tool to divertor running tool. Observe load ring bearing for movement. Set tensioner tension.Clean a load ring bearing in preparation for innspection.

Recommendation

Start loading chemicals.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	63,836,860

MATERIALS REPORT

NO. 42

Well Name NanTro SEIZE Stage.2

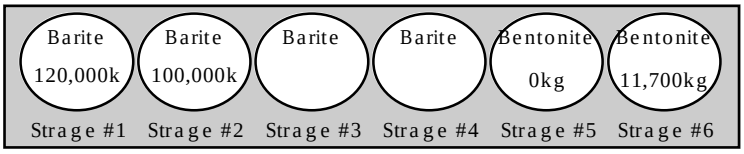
DATE 19. Jun. 09

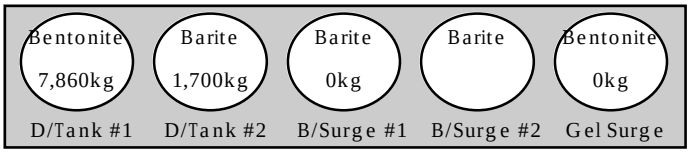
TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			100,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	





Total Bulk Tank W.T. 241,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				103,300		221,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				475		2,825	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		2,560				1,580		980	
Tel-Polymer(L)	1,550,000		8,960				6,420		2,540	
Tel-Polymer(DX)	1,150,000		12,800				9,600		3,200	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,800				1,600		1,200	
NaCl(Bag)	40,000		100,000				48,000		52,000	
KCl(Bag)	150,000		70,000				48,000		22,000	
Clean Lube(L)	580,000		21,600				13,800		7,800	
Clean Lube	550,000		17,600				10,400		7,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		3,000				1,600		1,400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 42

DATE 19, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	12%Pre-hydrated gel	1.05sg	7.6KL	7.6KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	KNPP	1.08sg	55.4KL	55.4KL	1.5KL	
Active #4	KNPP	1.08sg	54.2KL	54.2KL	1.5KL	
Active #5	KNPP	1.08sg	53.0KL	53.0KL	1.5KL	
Active #6	Seawater	1.03sg	46.0KL	46.0KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

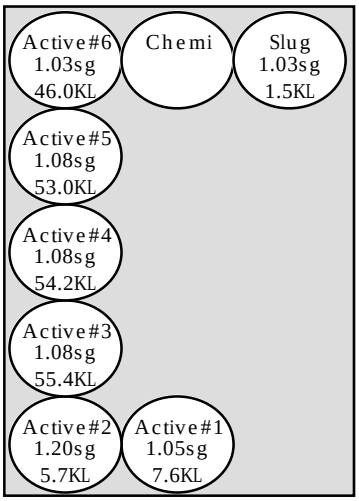
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	100,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 241.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	175.4KL	175.4KL	3.8KL	
Reserve #4	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #5	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #6	KNPP	1.08sg	175.1KL	175.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1310.5 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		103,300	221,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300		475	2,825	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		2,560		1,580	980	
Tel-Polymer(L)		8,960		6,420	2,540	
Tel-Polymer(DX)		12,800		9,600	3,200	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,800		1,600	1,200	
NaCl(Bag)		100,000		48,000	52,000	
KCl(Bag)		70,000		48,000	22,000	
Clean Lube(L)		21,600		13,800	7,800	
Clean Lube		17,600		10,400	7,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		3,000		1,600	1,400	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 121.5 ton

Total Weight 1,673.3 ton

Made by : K.maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer H.Maruyama

No. 43

Date 20, June, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	
Intermediate	in m	T/Circ Vol. (m^3) :	100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	System Total :
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type:	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)		15:30		Tel-Bar(Bulk)		103,300	
Depth (m)		KNPP		Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)		1.08	9.0	NaOH		3,025	
Funnel Viscosity(sec./qt.)		91		KOH		475	
A.V(cps) at / cent.		/50.5		Lime		2,850	
P.V(cps)		/ 33		Soda Ash			
Y.V(lb/100ft^2)		/ 35		Tel-Polymer(H)		1,580	
10"Gel(lb/100ft^2)		/ 6		Tel-Polymer(L)		6,420	
10'Gel(lb/100ft^2)		/ 9		Tel-Polymer(DX)		9,600	
API Filtrate(cc/30min.)				XCD Polymer		400	
Cake Thickness(mm)				Xan-Vis		1,600	
pH(-)		10.4		NaCl(Bag)		48,000	
Pf(cc)				KCl(Bag)		48,000	
Pm(cc)				Clean Lube(L)		13,800	
Mf(cc)				Clean Lube		10,400	
Cl^-(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL			
Solid Content(% Vol.)				Baracor 100			
M.B.C.(cc/cc.mud)				Telnite OS-5			
Temperature(in/out cent.)		28		Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS			
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)		0.57		Tel-DD		1,600	
k Value(600rpm/300rpm)		1.94		Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)			
				CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
15:30	28	101	68	51	31	10	6

Well Summary

Attempt to break out threaded connection between slip joint body & load collar. Remove bearing cover plates and flush same. Clean surface area and all contact area on Tension Ring. Inspect for damage. Assembling load ring bearing.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	63,836,860

MATERIALS REPORT

NO. 43

Well Name NanTro SEIZE Stage.2

DATE 20. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			100,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 100,000k	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 241,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				103,300		221,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				475		2,825	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000	440	3,000				1,580		1,420	
Tel-Polymer(L)	1,550,000	1,920	10,880				6,420		4,460	
Tel-Polymer(DX)	1,150,000	3,200	16,000				9,600		6,400	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,800				1,600		1,200	
NaCl(Bag)	40,000	18,000	118,000				48,000		70,000	
KCl(Bag)	150,000		70,000				48,000		22,000	
Clean Lube(L)	580,000	800	22,400				13,800		8,600	
Clean Lube	550,000		17,600				10,400		7,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		3,000				1,600		1,400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 43

DATE 20, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	12%Pre-hydrated gel	1.05sg	7.6KL	7.6KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	KNPP	1.08sg	55.4KL	55.4KL	1.5KL	
Active #4	KNPP	1.08sg	54.2KL	54.2KL	1.5KL	
Active #5	KNPP	1.08sg	53.0KL	53.0KL	1.5KL	
Active #6	Seawater	1.03sg	46.0KL	46.0KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

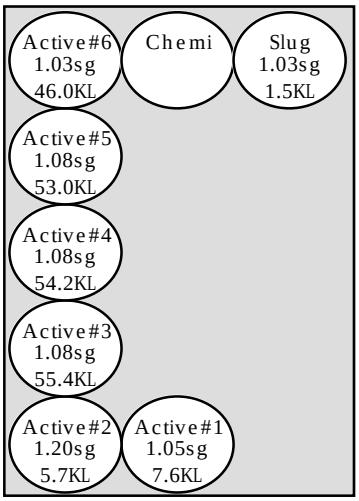
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	100,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 241.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	175.4KL	175.4KL	3.8KL	
Reserve #4	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #5	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #6	KNPP	1.08sg	175.1KL	175.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1310.5 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		103,300	221,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300		475	2,825	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)	440	3,000		1,580	1,420	
Tel-Polymer(L)	1,920	10,880		6,420	4,460	
Tel-Polymer(DX)	3,200	16,000		9,600	6,400	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,800		1,600	1,200	
NaCl(Bag)	18,000	118,000		48,000	70,000	
KCl(Bag)		70,000		48,000	22,000	
Clean Lube(L)	800	22,400		13,800	8,600	
Clean Lube		17,600		10,400	7,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		3,000		1,600	1,400	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 145.9 ton

Total Weight 1,697.7 ton

Made by : K.maruyama

Drilling Mud Report(Off Shore)

Telnite

No. 44 | Date 21, June, 2009 | Engineer H.Maruyama

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)		13:50		Tel-Bar(Bulk)		103,300	
Depth (m)		KNPP		Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)		1.08	9.0	NaOH		3,025	
Funnel Viscosity(sec./qt.)		91		KOH		475	
A.V(cps) at / cent.		/		Lime		2,850	
P.V(cps)		/		Soda Ash			
Y.V(lb/100ft^2)		/		Tel-Polymer(H)		1,580	
10"Gel(lb/100ft^2)		/		Tel-Polymer(L)		6,420	
10'Gel(lb/100ft^2)		/		Tel-Polymer(DX)		9,600	
API Filtrate(cc/30min.)				XCD Polymer		400	
Cake Thickness(mm)				Xan-Vis		1,600	
pH(-)		10.4		NaCl(Bag)		48,000	
Pf(cc)				KCl(Bag)		48,000	
Pm(cc)				Clean Lube(L)		13,800	
Mf(cc)				Clean Lube		10,400	
Cl^-(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL			
Solid Content(% Vol.)				Baracor 100			
M.B.C.(cc/cc.mud)				Telnite OS-5			
Temperature(in/out cent.)		27		Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS			
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)				Tel-DD		1,600	
k Value(600rpm/300rpm)				Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)			
				CaCl2(without water)			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
13:50	27						

Well Summary

continue assembling load ring bearing.Remove load ring with bearing. Clean, inspect and grease up bearing. Reassemble load ring with bearing to upper housing. Rigged up and rotated bearing ass'y. Rigged down and compleated service of ass'y. M/up landing joint and run down to bearing ass'y.Inspect bearing equal gap and install bearing cover plate. Land out BOP and set down.
Commence changing vessel heading.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	63,836,860

MATERIALS REPORT

NO. 44

Well Name NanTro SEIZE Stage.2

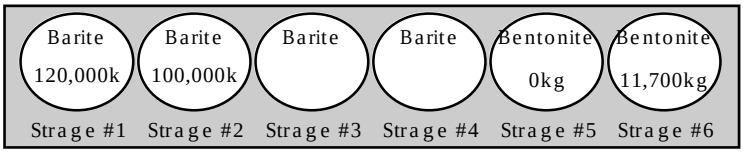
DATE 21. Jun. 09

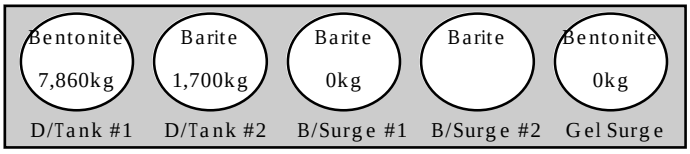
TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			100,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	





Total Bulk Tank W.T. 241,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				103,300		221,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				475		2,825	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		3,000				1,580		1,420	
Tel-Polymer(L)	1,550,000		10,880				6,420		4,460	
Tel-Polymer(DX)	1,150,000		16,000				9,600		6,400	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,800				1,600		1,200	
NaCl(Bag)	40,000		118,000				48,000		70,000	
KCl(Bag)	150,000		70,000				48,000		22,000	
Clean Lube(L)	580,000		22,400				13,800		8,600	
Clean Lube	550,000		17,600				10,400		7,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		3,000				1,600		1,400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 44

DATE 21, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	12%Pre-hydrated gel	1.05sg	7.6KL	7.6KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	KNPP	1.08sg	55.4KL	55.4KL	1.5KL	
Active #4	KNPP	1.08sg	54.2KL	54.2KL	1.5KL	
Active #5	KNPP	1.08sg	53.0KL	53.0KL	1.5KL	
Active #6	Seawater	1.03sg	46.0KL	46.0KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

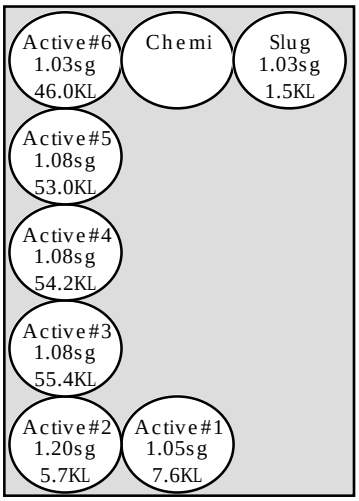
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	100,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 241.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	175.4KL	175.4KL	3.8KL	
Reserve #4	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #5	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #6	KNPP	1.08sg	175.1KL	175.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1310.5 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		103,300	221,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300		475	2,825	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		3,000		1,580	1,420	
Tel-Polymer(L)		10,880		6,420	4,460	
Tel-Polymer(DX)		16,000		9,600	6,400	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,800		1,600	1,200	
NaCl(Bag)		118,000		48,000	70,000	
KCl(Bag)		70,000		48,000	22,000	
Clean Lube(L)		22,400		13,800	8,600	
Clean Lube		17,600		10,400	7,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		3,000		1,600	1,400	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 145.9 ton

Total Weight 1,697.7 ton

Made by : K.maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer H.Maruyama

No. 45

Date 22, June, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	
Intermediate	in m	T/Circ Vol. (m^3) :	100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	System Total :
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	14:00	Tel-Bar(Bulk)		103,300	
Depth (m)	KNPP	Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)	1.08 9.0	NaOH		3,025	
Funnel Viscosity(sec./qt.)	120	KOH		475	
A.V(cps) at / cent.	/ 80	Lime		2,850	
P.V(cps)	/ 60	Soda Ash			
Y.V(lb/100ft^2)	/ 40	Tel-Polymer(H)		1,580	
10"Gel(lb/100ft^2)	/ 10	Tel-Polymer(L)		6,420	
10'Gel(lb/100ft^2)	/ 11	Tel-Polymer(DX)		9,600	
API Filtrate(cc/30min.)	4.8	XCD Polymer		400	
Cake Thickness(mm)	0.5	Xan-Vis		1,600	
pH(-)	10.0	NaCl(Bag)		48,000	
Pf(cc)	0.1	KCl(Bag)		48,000	
Pm(cc)		Clean Lube(L)		13,800	
Mf(cc)		Clean Lube		10,400	
Cl^-(mg/l)	65,000	Tel-Clean			
Sand Content(%)	0.00	Lignate NC			
Oil Content(% Vol.)		Telnite GXL			
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)		Telnite OS-5			
Temperature(in/out cent.)	26	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS			
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)		Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)		Speeder(X)			
n Value(600rpm/300rpm)	0.68	Tel-DD		1,600	
k Value(600rpm/300rpm)	1.46	Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)			
		CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
14:00	26	160	100	79	54	12	9

Well Summary

Continue heading change test. Pressure test kill, choke and boost line. Disengage and lay out divertor running tool. Rig down riser running equipment. Repair hydraulic horse for identify leak.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	63,836,860

MATERIALS REPORT

NO. 45

Well Name NanTro SEIZE Stage.2

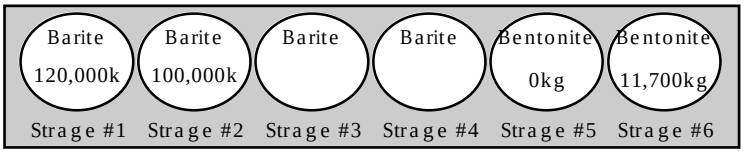
DATE 22. Jun. 09

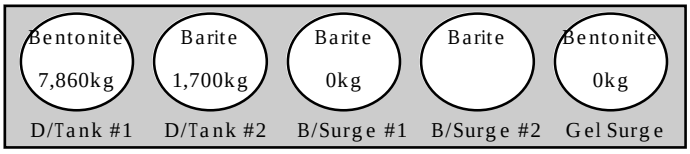
TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			100,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	





Total Bulk Tank W.T. 241,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				103,300		221,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				475		2,825	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		3,000				1,580		1,420	
Tel-Polymer(L)	1,550,000		10,880				6,420		4,460	
Tel-Polymer(DX)	1,150,000		16,000				9,600		6,400	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,800				1,600		1,200	
NaCl(Bag)	40,000		118,000				48,000		70,000	
KCl(Bag)	150,000		70,000				48,000		22,000	
Clean Lube(L)	580,000		22,400				13,800		8,600	
Clean Lube	550,000		17,600				10,400		7,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		3,000				1,600		1,400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 45

DATE 22, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	12%Pre-hydrated gel	1.05sg	7.6KL	7.6KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	KNPP	1.08sg	55.4KL	55.4KL	1.5KL	
Active #4	KNPP	1.08sg	54.2KL	54.2KL	1.5KL	
Active #5	KNPP	1.08sg	53.0KL	53.0KL	1.5KL	
Active #6	Seawater	1.03sg	46.0KL	46.0KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

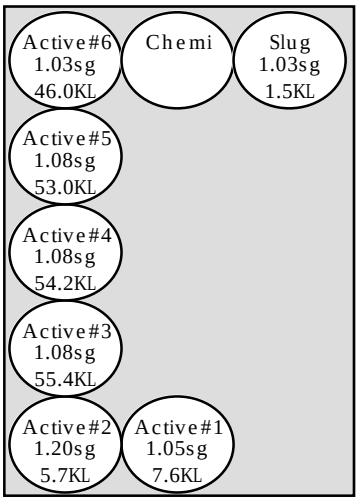
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	100,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 241.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	175.4KL	175.4KL	3.8KL	
Reserve #4	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #5	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #6	KNPP	1.08sg	175.1KL	175.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1310.5 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		103,300	221,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300		475	2,825	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		3,000		1,580	1,420	
Tel-Polymer(L)		10,880		6,420	4,460	
Tel-Polymer(DX)		16,000		9,600	6,400	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,800		1,600	1,200	
NaCl(Bag)		118,000		48,000	70,000	
KCl(Bag)		70,000		48,000	22,000	
Clean Lube(L)		22,400		13,800	8,600	
Clean Lube		17,600		10,400	7,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		3,000		1,600	1,400	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 145.9 ton

Total Weight 1,697.7 ton

Made by : K.maruyama

Drilling Mud Report(Off Shore)

Telnite

No. 46 | Date 23, June, 2009 | Engineer H.Maruyama

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	
Intermediate	in m	T/Circ Vol. (m^3) :	100	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	System Total :
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	14:30	Tel-Bar(Bulk)		103,300	
Depth (m)	KNPP	Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)	1.08 9.0	NaOH		3,025	
Funnel Viscosity(sec./qt.)	125	KOH		475	
A.V(cps) at / cent.	/ 79	Lime		2,850	
P.V(cps)	/ 57	Soda Ash			
Y.V(lb/100ft^2)	/ 44	Tel-Polymer(H)		1,580	
10"Gel(lb/100ft^2)	/ 10	Tel-Polymer(L)		6,420	
10'Gel(lb/100ft^2)	/ 11	Tel-Polymer(DX)		9,600	
API Filtrate(cc/30min.)	4.8	XCD Polymer		400	
Cake Thickness(mm)	0.5	Xan-Vis		1,600	
pH(-)	10.0	NaCl(Bag)		48,000	
Pf(cc)	0.1	KCl(Bag)		48,000	
Pm(cc)		Clean Lube(L)		13,800	
Mf(cc)		Clean Lube		10,400	
Cl^-(mg/l)	63,900	Tel-Clean			
Sand Content(%)	0.00	Lignate NC			
Oil Content(% Vol.)		Telnite GXL			
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)	0.25	Telnite OS-5			
Temperature(in/out cent.)	26	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS			
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)	30,800	Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)	0 0	Speeder(X)			
n Value(600rpm/300rpm)	0.65	Tel-DD		1,600	
k Value(600rpm/300rpm)	1.80	Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)			
		CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
14:30	26	158	101	78	51	12	10

Well Summary

Make up isolation tool. RIH with 5-1/2"DP to 2,051m. Make up HPS and B/Circ to trip tank. Land out isolation tool. Perform pressure test and function test of BOP. Attempt to pressure test divertor system. POOH BOP testing tool.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	63,836,860

MATERIALS REPORT

NO. 46

Well Name NanTro SEIZE Stage.2

DATE 23. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			100,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 100,000k	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 241,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				103,300		221,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				475		2,825	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		3,000				1,580		1,420	
Tel-Polymer(L)	1,550,000		10,880				6,420		4,460	
Tel-Polymer(DX)	1,150,000		16,000				9,600		6,400	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,800				1,600		1,200	
NaCl(Bag)	40,000		118,000				48,000		70,000	
KCl(Bag)	150,000		70,000				48,000		22,000	
Clean Lube(L)	580,000		22,400				13,800		8,600	
Clean Lube	550,000		17,600				10,400		7,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		3,000				1,600		1,400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 46

DATE 23, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	12%Pre-hydrated gel	1.05sg	7.6KL	7.6KL	1.5KL	
Active #2	Mud push	1.20sg	5.7KL	5.7KL	1.5KL	
Active #3	KNPP	1.08sg	55.4KL	55.4KL	1.5KL	
Active #4	KNPP	1.08sg	54.2KL	54.2KL	1.5KL	
Active #5	KNPP	1.08sg	53.0KL	53.0KL	1.5KL	
Active #6	Seawater	1.03sg	46.0KL	46.0KL	1.5KL	
Chemical					0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Chemical Tank

Unit(kg)

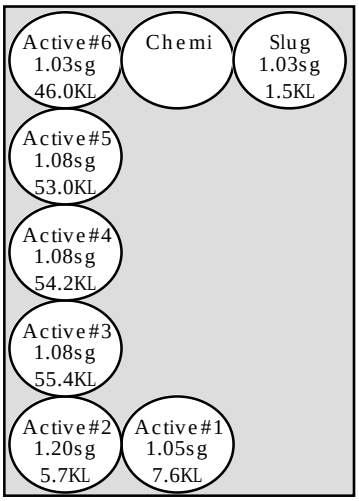
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	100,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 241.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	175.4KL	175.4KL	3.8KL	
Reserve #4	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #5	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #6	KNPP	1.08sg	175.1KL	175.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1310.5 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		103,300	221,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300		475	2,825	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		3,000		1,580	1,420	
Tel-Polymer(L)		10,880		6,420	4,460	
Tel-Polymer(DX)		16,000		9,600	6,400	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,800		1,600	1,200	
NaCl(Bag)		118,000		48,000	70,000	
KCl(Bag)		70,000		48,000	22,000	
Clean Lube(L)		22,400		13,800	8,600	
Clean Lube		17,600		10,400	7,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		3,000		1,600	1,400	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 145.9 ton

Total Weight 1,697.7 ton

Made by : K.maruyama

Drilling Mud Report(Off Shore)

Engineer H.Maruyama

No. 47 | Date 24, June, 2009 | TOTAL Depth(MSL) m

Company MQJ | Well Name NanTro SEIZE Stage.2 | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3):	401	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3):		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3):		Pump No.3 (l/st) : 19.45	DC2 Size (in) : 9.5	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3):		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3):	501	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3):	100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	14:30	Tel-Bar(Bulk)		103,300	
Depth (m)	KNPP	Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)	1.08 9.0	NaOH		3,025	
Funnel Viscosity(sec./qt.)	122	KOH		475	
A.V(cps) at / cent.	/ 74	Lime		2,850	
P.V(cps)	/ 45	Soda Ash			
Y.V(lb/100ft^2)	/ 58	Tel-Polymer(H)		1,580	
10"Gel(lb/100ft^2)	/ 10	Tel-Polymer(L)		6,420	
10'Gel(lb/100ft^2)	/ 13	Tel-Polymer(DX)		9,600	
API Filtrate(cc/30min.)	4.5	XCD Polymer		400	
Cake Thickness(mm)	0.5	Xan-Vis		1,600	
pH(-)	9.8	NaCl(Bag)		48,000	
Pf(cc)	0.1	KCl(Bag)		48,000	
Pm(cc)	0.1	Clean Lube(L)		13,800	
Mf(cc)	0.2	Clean Lube		10,400	
Cl^-(mg/l)	64,600	Tel-Clean			
Sand Content(%)	0.00	Lignate NC			
Oil Content(% Vol.)		Telnite GXL			
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)	0.50	Telnite OS-5			
Temperature(in/out cent.)	26	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS			
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)	30,400	Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)	0 0	Speeder(X)			
n Value(600rpm/300rpm)	0.52	Tel-DD		1,600	
k Value(600rpm/300rpm)	3.95	Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)			
		CaCl2(without water)			

VG METER READING													
Time	Temp	600rpm		300rpm		200rpm		100rpm		6rpm		3rpm	
14:30	26	148		103		82		54		13		9	

Well Summary

Continue POOH BOP testing tool. Investigation and identify bearing collapse on retract dolly for traveling block. Removed damaged bearing. Inspect dolly rollers. M/U 17-1/2" DOC ass'y and RIH. M/U HPS and return flow sensor test. Rig up modified wireline wiper return hose braket.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	0
Total Cost	63,836,860

MATERIALS REPORT

NO. 47

Well Name NanTro SEIZE Stage.2

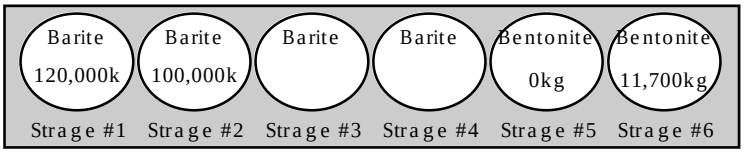
DATE 24. Jun. 09

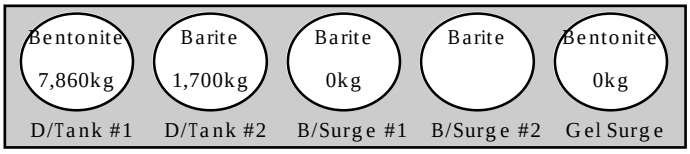
TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			100,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	





Total Bulk Tank W.T. 241,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				103,300		221,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				475		2,825	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		3,000				1,580		1,420	
Tel-Polymer(L)	1,550,000		10,880				6,420		4,460	
Tel-Polymer(DX)	1,150,000		16,000				9,600		6,400	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,800				1,600		1,200	
NaCl(Bag)	40,000		118,000				48,000		70,000	
KCl(Bag)	150,000		70,000				48,000		22,000	
Clean Lube(L)	580,000		22,400				13,800		8,600	
Clean Lube	550,000		17,600				10,400		7,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		3,000				1,600		1,400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 47

DATE 24, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	12%Pre-hydrated gel	1.05sg	7.6KL	7.6KL	1.5KL	
Active #2	Empty	1.20sg	1.5KL	1.5KL	1.5KL	
Active #3	KNPP	1.08sg	55.4KL	55.4KL	1.5KL	
Active #4	KNPP	1.08sg	54.2KL	54.2KL	1.5KL	
Active #5	KNPP	1.08sg	53.0KL	53.0KL	1.5KL	
Active #6	Seawater	1.03sg	46.0KL	46.0KL	1.5KL	
Chemical	Mud Push2	1.20sg	5.8KL	5.8KL	0.1KL	
Slug	empty	1.03sg	1.5KL	1.5KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	175.4KL	175.4KL	3.8KL	
Reserve #4	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #5	KNPP	1.08sg	175.3KL	175.3KL	3.8KL	
Reserve #6	KNPP	1.08sg	175.1KL	175.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

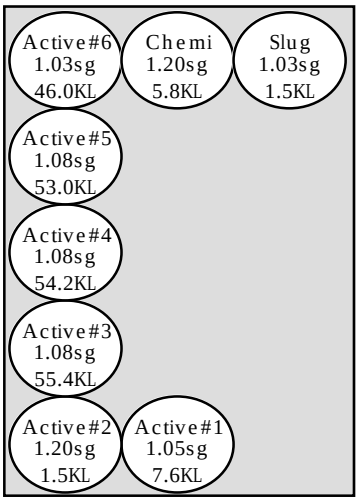
Mud Tank Total WT 1312.4 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	100,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 241.3 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		103,300	221,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300		475	2,825	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		3,000		1,580	1,420	
Tel-Polymer(L)		10,880		6,420	4,460	
Tel-Polymer(DX)		16,000		9,600	6,400	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,800		1,600	1,200	
NaCl(Bag)		118,000		48,000	70,000	
KCl(Bag)		70,000		48,000	22,000	
Clean Lube(L)		22,400		13,800	8,600	
Clean Lube		17,600		10,400	7,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		3,000		1,600	1,400	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 145.9 ton

Total Weight 1,699.6 ton

Made by : K.maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer: Torimoto H.Maruyama

No. 48

Date: 25, June, 2009

TOTAL Depth(MSL): 2,769.7 m

Company: MQJ

Well Name: NanTro SEIZE Stage.2

BRT Depth: 2,798.0 m , SSL Depth: 715.7 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3):	401	Pump No.1 (l/st): 19.45	DP Size (in): 5.5	Suface to Bit : 8
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3):	125	Pump No.2 (l/st): 19.45	DC1 Size (in): 8.5	Bottom's Up : 128
Intermediate	in m	B/Hole Vol. (m^3):	2	Pump No.3 (l/st): 19.45	DC2 Size (in): 9.5	Surf to Surf : 136
Intermediate	in m	Disp Vol. (m^3):	16	P/Speed No.1 (spm): 100	A/Vel DP (ft/min):	System Total : 162
Intermediate	in m	T/Circ Vol. (m^3):	612	P/Speed No.2 (spm): 100	A/Vel DC1(ft/min): 113	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3):	100	P/Speed No.3 (spm):	A/Vel Riser(ft/min):	
		Bit Size (inch):	17	Rate (gal/min): 997		

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	21:15	Tel-Bar(Bulk)		103,300	
Depth (m)	2779	Kunigel-VO(Bulk)		138,200	
Mud Weight (SG/PPG)	1.08 9.0	NaOH		3,025	
Funnel Viscosity(sec./qt.)	118	KOH	50	525	16,500
A.V(cps) at /26 cent.	72.5	Lime		2,850	
P.V(cps)	48	Soda Ash			
Y.V(lb/100ft^2)	49	Tel-Polymer(H)		1,580	
10"Gel(lb/100ft^2)	9	Tel-Polymer(L)		6,420	
10'Gel(lb/100ft^2)	11	Tel-Polymer(DX)		9,600	
API Filtrate(cc/30min.)	4.3	XCD Polymer		400	
Cake Thickness(mm)	0.5	Xan-Vis		1,600	
pH(-)	10.5	NaCl(Bag)	2,000	50,000	80,000
Pf(cc)	0.1	KCl(Bag)		48,000	
Pm(cc)	0.1	Clean Lube(L)		13,800	
Mf(cc)	0.2	Clean Lube		10,400	
Cl^-(mg/l)	64,600	Tel-Clean			
Sand Content(%)	0.10	Lignate NC			
Oil Content(% Vol.)		Telnite GXL			
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)	0.50	Telnite OS-5			
Temperature(in/out cent.)	26 28	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS			
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)	29,600	Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)		Speeder(X)			
n Value(600rpm/300rpm)	0.58	Tel-DD		1,600	
k Value(600rpm/300rpm)	2.61	Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)			
		CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
	26						
	26						
21:15	26	145	97	78	55	12	10

Well Summary

Continue RIH 17-1/2" DOC ass'y and tag cement @2,760m. DOC f/2,760 t/2,795m. Pump 8m3 of Hi-vis sweep. Displace with SW to KNPP mud. Circ and B/Up. Drill 12-1/4"hole to 2.798m. LOT.

Recommendation

Used 605m3 of KNPP mud for displace(choke,kill,boost line and hole).
Mixed slug mud.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	84	84	84	84	84	84							

Daily Cost	96,500
Total Cost	63,933,360

MATERIALS REPORT

NO. 48

Well Name NanTro SEIZE Stage.2

DATE 25. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			100,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			1,700kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 100,000k	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 1,700kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 241,260kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				103,300		221,700	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			50	525	16,500	2,775	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		3,000				1,580		1,420	
Tel-Polymer(L)	1,550,000		10,880				6,420		4,460	
Tel-Polymer(DX)	1,150,000		16,000				9,600		6,400	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,800				1,600		1,200	
NaCl(Bag)	40,000		118,000			2,000	50,000	80,000	68,000	
KCl(Bag)	150,000		70,000				48,000		22,000	
Clean Lube(L)	580,000		22,400				13,800		8,600	
Clean Lube	550,000		17,600				10,400		7,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		3,000				1,600		1,400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 48

DATE 25, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	12%Pre-hydrated gel	1.05sg	74.0KL	74.0KL	1.5KL	
Active #2	Empty	1.20sg	1.5KL	1.5KL	1.5KL	
Active #3	KNPP	1.08sg	55.4KL	55.4KL	1.5KL	
Active #4	KNPP	1.08sg	38.5KL	38.5KL	1.5KL	
Active #5	KNPP	1.08sg	36.0KL	36.0KL	1.5KL	
Active #6	Seawater	1.03sg	57.0KL	57.0KL	1.5KL	
Chemical	Mud Push2	1.20sg	5.8KL	5.8KL	0.1KL	
Slug	Slug	1.03sg	10.5KL	10.5KL	0.1KL	

Chemical Tank

Unit(kg)

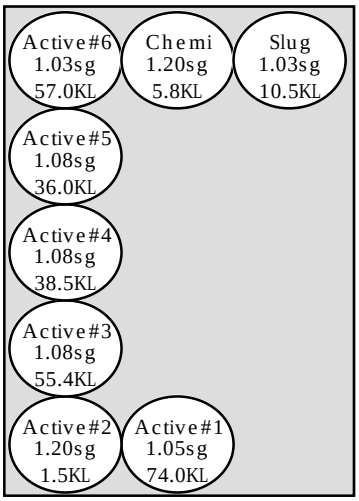
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	100,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,700kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 241.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #4	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #5	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #6	KNPP	1.08sg	67.7KL	67.7KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 695.7 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		103,300	221,700	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300	50	525	2,775	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		3,000		1,580	1,420	
Tel-Polymer(L)		10,880		6,420	4,460	
Tel-Polymer(DX)		16,000		9,600	6,400	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,800		1,600	1,200	
NaCl(Bag)		118,000	2,000	50,000	68,000	
KCl(Bag)		70,000		48,000	22,000	
Clean Lube(L)		22,400		13,800	8,600	
Clean Lube		17,600		10,400	7,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		3,000		1,600	1,400	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 143.8 ton

Total Weight 1,080.8 ton

Made by : K.maruyama

Drilling Mud Report(Off Shore)

Telnite

No. 50	Date 27, June, 2009	Engineer	Torimoto H.Maruyama
Company MQJ	Well Name NanTro SEIZE Stage.2	TOTAL Depth(MSL)	2,784.7 m
		BRT Depth: 2,813.0 m , SSL Depth:	730.7 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	36 in 2,136.8 m	Riser Vol. (m^3):	401	Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	18
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3):	125	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8.5	Bottom's Up :	211
Intermediate	in m	B/Hole Vol. (m^3):	2	Pump No.3 (l/st) :	19.45	DC2 Size (in) :	8	Surf to Surf :	229
Intermediate	in m	Disp Vol. (m^3):	16	P/Speed No.1 (spm) :	45	A/Vel DP (ft/min) :			
Intermediate	in m	T/Circ Vol. (m^3):	612	P/Speed No.2 (spm) :	45	A/Vel DC1(ft/min) :	141	System Total :	288
Production	in m	Pit Vol. (m^3):	100	P/Speed No.3 (spm) :	45	A/Vel Riser(ft/min) :		P/ Press(Mpa) :	11
		Bit Size (inch) :	12.25	Rate (gal/min) :	673				

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties
Time (Sampling : Suction)	22:15
Depth (m)	2761
Mud Weight (SG/PPG)	1.08 9.0
Funnel Viscosity(sec./qt.)	107
A.V(cps) at / cent.	/ 49
P.V(cps)	/ 31
Y.V(lb/100ft^2)	/ 36
10"Gel(lb/100ft^2)	/ 8
10'Gel(lb/100ft^2)	/ 9
API Filtrate(cc/30min.)	4.7
Cake Thickness(mm)	0.5
pH(-)	10.4
Pf(cc)	0.1
Pm(cc)	0.1
Mf(cc)	0.2
Cl^-(mg/l)	62,800
Sand Content(%)	0.00
Oil Content(% Vol.)	
Solid Content(% Vol.)	
M.B.C.(cc/cc.mud)	0.50
Temperature(in/out cent.)	26 33
HT-HP Filtrate(cc)	
HT-HP Filtrate Cake(mm)	
K^+(mg/l)	22,500
Ca^{++}/Mg^{++}(mg/l)	80
n Value(600rpm/300rpm)	0.55
k Value(600rpm/300rpm)	2.19
LGS/Drill Solids(% Vol.)	

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		104,200	
Kunigel-VO(Bulk)		138,200	
NaOH		3,025	
KOH	100	675	33,000
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	240	1,940	372,000
Tel-Polymer(L)	1,040	7,980	1,612,000
Tel-Polymer(DX)	1,600	12,000	1,840,000
XCD Polymer		400	
Xan-Vis	250	1,975	625,000
NaCl(Bag)	8,000	64,000	320,000
KCl(Bag)	8,000	60,000	1,200,000
Clean Lube(L)		15,800	
Clean Lube	4,000	14,400	2,200,000
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD	400	2,200	256,000
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
22:15	26	98	67	52	33	8	7

Well Summary

Prepare 12-1/4"BHA. Shallow test MWD. Make up BHA, function test MWD and RIH with 12-1/4"BHA. Drilling 12-1/4" pilot hole as per Directional drillers instruction f/2,798 t/2,813. 5m3 Lost on trip in hole.

Recommendation

Mixed 140m3 of KNPP mud.
Transfer Dirty seawater from Active No.1 to cutting settling TK.

Lost :5m3
Total lost :5m3

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
BTM	84	84	84	84	84	84							

Daily Cost	8,458,000
Total Cost	76,797,260

MATERIALS REPORT

NO. 50

Well Name NanTro SEIZE Stage.2

DATE 27. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			100,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			800kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 100,000k	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 800kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 240,360kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				104,200		220,800	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			100	675	33,000	2,625	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		3,000			240	1,940	372,000	1,060	
Tel-Polymer(L)	1,550,000		10,880			1,040	7,980	1,612,000	2,900	
Tel-Polymer(DX)	1,150,000		16,000			1,600	12,000	1,840,000	4,000	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,800			250	1,975	625,000	825	
NaCl(Bag)	40,000		118,000			8,000	64,000	320,000	54,000	
KCl(Bag)	150,000		70,000			8,000	60,000	1,200,000	10,000	
Clean Lube(L)	580,000		22,400				15,800		6,600	
Clean Lube	550,000		17,600			4,000	14,400	2,200,000	3,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		3,000			400	2,200	256,000	800	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 50

DATE 27, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Dirty seawater	1.05sg	10.1KL	10.1KL	1.5KL	
Active #2	KNPP	1.08sg	68.9KL	68.9KL	1.5KL	still mix
Active #3	KNPP	1.08sg	19.0KL	19.0KL	1.5KL	
Active #4	KNPP	1.08sg	28.9KL	28.9KL	1.5KL	
Active #5	KNPP	1.08sg	26.9KL	26.9KL	1.5KL	
Active #6	Seawater	1.03sg	58.0KL	58.0KL	1.5KL	
Chemical	Mud Push2	1.20sg	5.8KL	5.8KL	0.1KL	
Slug	Empty	1.03sg	0.1KL	0.1KL	0.1KL	

Chemical Tank

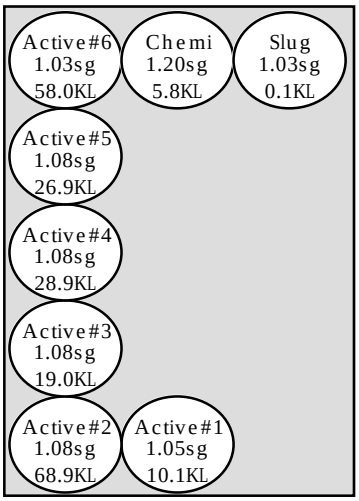
Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	100,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	800kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 240.4 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	145.6KL	145.6KL	3.8KL	
Reserve #4	Slug	1.19sg	15.5KL	15.5KL	3.8KL	
Reserve #5	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #6	KNPP	1.08sg	67.7KL	67.7KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						



Mud Tank Total WT 799.5 ton

Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		104,200	220,800	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300	100	675	2,625	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		3,000	240	1,940	1,060	
Tel-Polymer(L)		10,880	1,040	7,980	2,900	
Tel-Polymer(DX)		16,000	1,600	12,000	4,000	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,800	250	1,975	825	
NaCl(Bag)		118,000	8,000	64,000	54,000	
KCl(Bag)		70,000	8,000	60,000	10,000	
Clean Lube(L)		22,400		15,800	6,600	
Clean Lube		17,600	4,000	14,400	3,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		3,000	400	2,200	800	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 106.4 ton

Total Weight 1,146.2 ton

Made by : K.maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer: Torimoto H.Maruyama

No. 51

Date: 28, June, 2009

TOTAL Depth(MSL): 2,855.7 m

Company: MQJ

Well Name: NanTro SEIZE Stage.2

BRT Depth: 2,884.0 m , SSL Depth: 801.7 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	36 in 2,136.8 m	Riser Vol. (m^3):	401	Pump No.1 (l/st):	19.45	DP Size (in):	5.5	Suface to Bit :	18
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3):	125	Pump No.2 (l/st):	19.45	DC1 Size (in):	8.5	Bottom's Up :	214
Intermediate	in m	B/Hole Vol. (m^3):	7	Pump No.3 (l/st):	19.45	DC2 Size (in):	8	Surf to Surf :	232
Intermediate	in m	Disp Vol. (m^3):	16	P/Speed No.1 (spm):	45	A/Vel DP (ft/min):			
Intermediate	in m	T/Circ Vol. (m^3):	617	P/Speed No.2 (spm):	45	A/Vel DC1(ft/min):	141	System Total :	291
Production	in m	Pit Vol. (m^3):	100	P/Speed No.3 (spm):	45	A/Vel Riser(ft/min):		P/ Press(Mpa) :	11
		Bit Size (inch):	12.25	Rate (gal/min):	673				

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties			
Time (Sampling : Suction)		6:15	17:00
Depth (m)		2761	KNPP
Mud Weight (SG/PPG)		1.08 9.0	1.08 9.0
Funnel Viscosity(sec./qt.)		98	101
A.V(cps) at / cent.		/53.5	49
P.V(cps)		/ 36	32
Y.V(lb/100ft^2)		/ 35	34
10"Gel(lb/100ft^2)		/ 7	8
10'Gel(lb/100ft^2)		/ 9	9
API Filtrate(cc/30min.)		4.7	4.8
Cake Thickness(mm)		0.5	0.5
pH(-)		10.1	10.2
Pf(cc)		0.1	0.1
Pm(cc)		0.1	0.1
Mf(cc)		0.2	0.2
Cl^-(mg/l)		63,600	62,800
Sand Content(%)		0.50	0.50
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)		0.50	0.50
Temperature(in/out cent.)		15 15	25
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)		23,600	22,500
Ca^{++}/Mg^{++}(mg/l)			80
n Value(600rpm/300rpm)		0.59	0.57
k Value(600rpm/300rpm)		1.77	1.89
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		104,200	
Kunigel-VO(Bulk)		138,200	
NaOH		3,025	
KOH	50	725	16,500
Lime		2,850	
Soda Ash			
Tel-Polymer(H)		1,940	
Tel-Polymer(L)		7,980	
Tel-Polymer(DX)		12,000	
XCD Polymer		400	
Xan-Vis		1,975	
NaCl(Bag)		64,000	
KCl(Bag)		60,000	
Clean Lube(L)		15,800	
Clean Lube		14,400	
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		2,200	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
6:15	15	107	71	55	37	9	7
17:00		98	66	51	30	8	7

Well Summary

Drilling 12-1/4" pilot hole f/2,813 t/2884m. Noticed a fire at HPS brake ass'y. POOH to above BOP's. Isolated HPS, D/W. Inspection and repair damage. Slip & Cut 50m D/L. Install new brake ass'y on HPS.

Recommendation

Changed lower screen for shale shakers f/84# t/primary 165#, secondary 145# Attempt to run test centrifuge.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	165	84	165	165	84	165			ON	ON			

Daily Cost	16,500
Total Cost	76,813,760

MATERIALS REPORT

NO. 51

Well Name NanTro SEIZE Stage.2

DATE 28. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			100,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			800kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 100,000k	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 800kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 240,360kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				104,200		220,800	
Kunigel-VO(Bulk)	47,500		157,760				138,200		19,560	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			50	725	16,500	2,575	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		3,000				1,940		1,060	
Tel-Polymer(L)	1,550,000		10,880				7,980		2,900	
Tel-Polymer(DX)	1,150,000		16,000				12,000		4,000	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,800				1,975		825	
NaCl(Bag)	40,000		118,000				64,000		54,000	
KCl(Bag)	150,000		70,000				60,000		10,000	
Clean Lube(L)	580,000		22,400				15,800		6,600	
Clean Lube	550,000		17,600				14,400		3,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		3,000				2,200		800	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									

BALLAST REPORT(Off Shore)

NO. 51

DATE 28, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Dirty seawater	1.05sg	10.1KL	10.1KL	1.5KL	
Active #2	Empty	1.08sg	3.3KL	3.3KL	1.5KL	
Active #3	KNPP	1.08sg	70.7KL	70.7KL	1.5KL	
Active #4	KNPP	1.08sg	30.1KL	30.1KL	1.5KL	
Active #5	KNPP	1.08sg	29.0KL	29.0KL	1.5KL	
Active #6	Seawater	1.03sg	58.0KL	58.0KL	1.5KL	
Chemical	Mud Push2	1.20sg	5.8KL	5.8KL	0.1KL	
Slug	KNPP	1.08sg	10.7KL	10.7KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	145.6KL	145.6KL	3.8KL	
Reserve #4	Slug	1.19sg	15.5KL	15.5KL	3.8KL	KNPP base
Reserve #5	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #6	KNPP	1.08sg	67.7KL	67.7KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

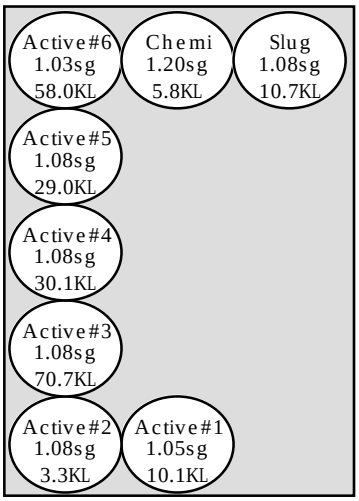
Mud Tank Total WT 799.5 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	100,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	800kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 240.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		104,200	220,800	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300	50	725	2,575	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		3,000		1,940	1,060	
Tel-Polymer(L)		10,880		7,980	2,900	
Tel-Polymer(DX)		16,000		12,000	4,000	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,800		1,975	825	
NaCl(Bag)		118,000		64,000	54,000	
KCl(Bag)		70,000		60,000	10,000	
Clean Lube(L)		22,400		15,800	6,600	
Clean Lube		17,600		14,400	3,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		3,000		2,200	800	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 106.4 ton

Total Weight 1,146.2 ton

Made by : K.maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer: Torimoto H.Maruyama

No. 52

Date: 29, June, 2009

TOTAL Depth(MSL): 3,059.7 m

Company: MQJ

Well Name: NanTro SEIZE Stage.2

BRT Depth: 3,088.0 m , SSL Depth: 1,005.7 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :	401	Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	13
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :	125	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8.5	Bottom's Up :	158
Intermediate	in m	B/Hole Vol. (m^3) :	23	Pump No.3 (l/st) :	19.45	DC2 Size (in) :	8	Surf to Surf :	170
Intermediate	in m	Disp Vol. (m^3) :	17	P/Speed No.1 (spm) :	140	A/Vel DP (ft/min) :	143	System Total :	208
Intermediate	in m	T/Circ Vol. (m^3) :	632	P/Speed No.2 (spm) :		A/Vel DC1(ft/min) :	220	P/ Press(Mpa) :	13.2
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	40	A/Vel Riser(ft/min) :			
		Bit Size (inch) :	12.25	Rate (gal/min) :	897				

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties		
Time (Sampling : Suction)	6:15	15:45
Depth (m)	2761	2991
Mud Weight (SG/PPG)	1.08 9.0	1.07 8.9
Funnel Viscosity(sec./qt.)	98	100
A.V(cps) at / cent.	/ 55	50.5
P.V(cps)	/ 36	32
Y.V(lb/100ft^2)	/ 38	37
10"Gel(lb/100ft^2)	/ 7	7
10'Gel(lb/100ft^2)	/ 9	7
API Filtrate(cc/30min.)	4.6	4.4
Cake Thickness(mm)	0.5	0.5
pH(-)	10.1	10.7
Pf(cc)	0.1	0.1
Pm(cc)	0.1	0.1
Mf(cc)	0.2	0.2
Cl^-(mg/l)	59,800	61,100
Sand Content(%)	0.50	0.25
Oil Content(% Vol.)		
Solid Content(% Vol.)		
M.B.C.(cc/cc.mud)	0.50	0.50
Temperature(in/out cent.)	15 16	22 24
HT-HP Filtrate(cc)		
HT-HP Filtrate Cake(mm)		
K^+(mg/l)	22,000	22,500
Ca^{++}/Mg^{++}(mg/l)		80
n Value(600rpm/300rpm)	0.57	0.55
k Value(600rpm/300rpm)	2.09	2.24
LGS/Drill Solids(% Vol.)		

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		104,200	
Kunigel-VO(Bulk)	2,860	141,060	135,850
NaOH		3,025	
KOH	175	900	57,750
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	200	2,140	310,000
Tel-Polymer(L)	520	8,500	806,000
Tel-Polymer(DX)	800	12,800	920,000
XCD Polymer		400	
Xan-Vis	125	2,100	312,500
NaCl(Bag)	5,000	69,000	200,000
KCl(Bag)	4,000	64,000	600,000
Clean Lube(L)	2,000	17,800	1,160,000
Clean Lube		14,400	
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD	200	2,400	128,000
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			
TAN CAL C			
TAN CAL M			
TAN CAL F			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
6:15	15	110	74	58	38	9	7
15:45		101	69	53	36	9	6

Well Summary

Install new brake ass'y. RIH to shoe, wash down last stand. Tag soft fill @2,874m, tag TD @2,884m. Drilling 12-1/4"pilot hole f/2,884 t/3,088m.
Gas peak;10.7%

Recommendation

Mixed 70m3 of KNPP mud.
Run two centrifuge & two Mud Cleaner.
Add caustic potassium and polymer(H) for condition pH & F/vis.
Dilution volume:63.4m3. Dilution late:4.2m3/hr(Ave).
Lost :14.5m3
Total lost :52.9m3

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
BTM	165	84	165	165	84	165			ON	ON	ON	ON	

Daily Cost	4,630,100
Total Cost	81,443,860

MATERIALS REPORT

NO. 52

Well Name NanTro SEIZE Stage.2

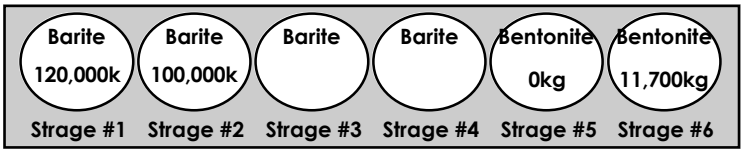
DATE 29. Jun. 09

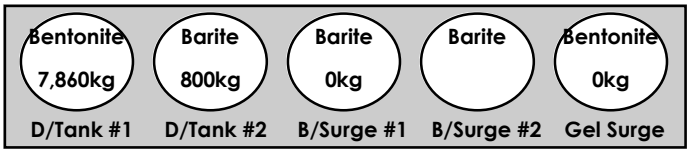
TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			100,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			800kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	





Total Bulk Tank W.T. 240,360kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				104,200		220,800	
Kunigel-VO(Bulk)	47,500		157,760			2,860	141,060	135,850	16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			175	900	57,750	2,400	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		3,000			200	2,140	310,000	860	
Tel-Polymer(L)	1,550,000		10,880			520	8,500	806,000	2,380	
Tel-Polymer(DX)	1,150,000		16,000			800	12,800	920,000	3,200	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,800			125	2,100	312,500	700	
NaCl(Bag)	40,000		118,000			5,000	69,000	200,000	49,000	
KCl(Bag)	150,000	6,000	76,000			4,000	64,000	600,000	12,000	
Clean Lube(L)	580,000	4,000	26,400			2,000	17,800	1,160,000	8,600	
Clean Lube	550,000		17,600				14,400		3,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		3,000			200	2,400	128,000	600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									
TAN CAL C										
TAN CAL M		3,990	3,990						3,990	
TAN CAL F		3,960	3,960						3,960	

BALLAST REPORT(Off Shore)

NO. 52

DATE 29, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty	1.05sg	1.5KL	1.5KL	1.5KL	
Active #2	KNPP	1.08sg	70.8KL	70.8KL	1.5KL	
Active #3	KNPP	1.08sg	55.8KL	55.8KL	1.5KL	
Active #4	KNPP	1.08sg	33.0KL	33.0KL	1.5KL	
Active #5	KNPP	1.08sg	30.1KL	30.1KL	1.5KL	
Active #6	Seawater	1.03sg	58.0KL	58.0KL	1.5KL	
Chemical	Mud Push2	1.20sg	5.8KL	5.8KL	0.1KL	
Slug	KNPP	1.08sg	10.7KL	10.7KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	145.6KL	145.6KL	3.8KL	
Reserve #4	Slug	1.19sg	15.5KL	15.5KL	3.8KL	
Reserve #5	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #6	KNPP	1.08sg	14.7KL	14.7KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

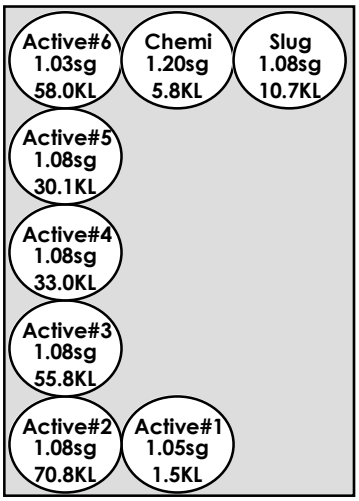
Mud Tank Total WT 794.3 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	100,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	800kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 240.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		104,200	220,800	
Kunigel-VO(Bulk)		157,760		138,200	19,560	
NaOH		4,725		3,025	1,700	
KOH		3,300	175	900	2,400	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		3,000	200	2,140	860	
Tel-Polymer(L)		10,880	520	8,500	2,380	
Tel-Polymer(DX)		16,000	800	12,800	3,200	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,800	125	2,100	700	
NaCl(Bag)		118,000	5,000	69,000	49,000	
KCl(Bag)	6,000	76,000	4,000	64,000	12,000	
Clean Lube(L)	4,000	26,400	2,000	17,800	8,600	
Clean Lube		17,600		14,400	3,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		3,000		2,200	800	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 103.5 ton

Total Weight 1,138.2 ton

Made by : K.maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer: Torimoto H.Maruyama

No. 53

Date: 30, June, 2009

TOTAL Depth(MSL): 3,281.7 m

Company: MQJ

Well Name: NanTro SEIZE Stage.2

BRT Depth: 3,310.0 m , SSL Depth: 1,227.7 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	36 in 2,136.8 m	Riser Vol. (m^3):	401	Pump No.1 (l/st):	19.45	DP Size (in):	5.5	Suface to Bit :	21
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3):	125	Pump No.2 (l/st):	19.45	DC1 Size (in):	8.5	Bottom's Up :	229
Intermediate	in m	B/Hole Vol. (m^3):	40	Pump No.3 (l/st):	19.45	DC2 Size (in):	8	Surf to Surf :	250
Intermediate	in m	Disp Vol. (m^3):	18	P/Speed No.1 (spm):	45	A/Vel DP (ft/min):	92	System Total :	309
Intermediate	in m	T/Circ Vol. (m^3):	648	P/Speed No.2 (spm):	45	A/Vel DC1(ft/min):	141		
Production	in m	Pit Vol. (m^3):	100	P/Speed No.3 (spm):	45	A/Vel Riser(ft/min):		P/ Press(Mpa) :	13.8
		Bit Size (inch):	12.25	Rate (gal/min):	673				

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties			
Time (Sampling : Suction)		12:00	21:00
Depth (m)		3158	3280
Mud Weight (SG/PPG)		1.08 9.0	1.08 9.0
Funnel Viscosity(sec./qt.)		90	97
A.V(cps) at / cent.		/ 53	51.5
P.V(cps)		/ 34	32
Y.V(lb/100ft^2)		/ 38	39
10"Gel(lb/100ft^2)		/ 7	8
10'Gel(lb/100ft^2)		/ 9	9
API Filtrate(cc/30min.)		4.5	4.4
Cake Thickness(mm)		0.5	0.5
pH(-)		10.4	11.1
Pf(cc)		0.2	0.2
Pm(cc)		0.3	0.3
Mf(cc)		0.4	0.3
Cl^-(mg/l)		58,600	58,600
Sand Content(%)		0.30	0.30
Oil Content(% Vol.)		0	0
Solid Content(% Vol.)		6	6
M.B.C.(cc/cc.mud)		0.50	0.50
Temperature(in/out cent.)		14	14 16
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)		21,400	23,000
Ca^{++}/Mg^{++}(mg/l)			80
n Value(600rpm/300rpm)		0.56	0.54
k Value(600rpm/300rpm)		2.22	2.50
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		104,200	
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH	100	1,000	33,000
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	80	2,220	124,000
Tel-Polymer(L)		8,500	
Tel-Polymer(DX)		12,800	
XCD Polymer		400	
Xan-Vis		2,100	
NaCl(Bag)		69,000	
KCl(Bag)	2,000	66,000	300,000
Clean Lube(L)		17,800	
Clean Lube		14,400	
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		2,400	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			
TAN CAL C			
TAN CAL M			
TAN CAL F			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
12:00	14	106	72	57	48	9	7
21:00		103	71	54	37	8	7

Well Summary

Flow check well - static, POOH to shoe. RIH to BTM, no fill. Continue drilling to 3,252m.
Observe gas peak:32%. Circulate until gas level settle down to Continue drilling.

Recommendation

Run two centrifuge & two Mud Cleaner.
Add caustic potassium and polymer(H) for condition pH & F/vis.
Changed lower screen for shale shakers No.5 f/84# t/primary 165#, secondary 145#.
Dilution volume:42.5m3. Dilution late ave:2.7m3/hr.
Lost :24.7m3
Total lost :77.6m3

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	165	84	165	165	165	165			ON	ON	ON	ON	
Btm2	145	84	145	145	145	145							

Daily Cost	457,000
Total Cost	81,900,860

MATERIALS REPORT

NO. 53

Well Name NanTro SEIZE Stage.2

DATE 30. Jun. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			100,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			800kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 100,000k	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 800kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 240,360kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				104,200		220,800	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			100	1,000	33,000	2,300	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		3,000			80	2,220	124,000	780	
Tel-Polymer(L)	1,550,000		10,880				8,500		2,380	
Tel-Polymer(DX)	1,150,000		16,000				12,800		3,200	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,800				2,100		700	
NaCl(Bag)	40,000		118,000				69,000		49,000	
KCl(Bag)	150,000		76,000			2,000	66,000	300,000	10,000	
Clean Lube(L)	580,000		26,400				17,800		8,600	
Clean Lube	550,000		17,600				14,400		3,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		3,000				2,400		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									
TAN CAL C										
TAN CAL M			3,990						3,990	
TAN CAL F			3,960						3,960	

BALLAST REPORT(Off Shore)

NO. 53

DATE 30, Jun, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty	1.05sg	1.5KL	1.5KL	1.5KL	
Active #2	KNPP	1.08sg	70.8KL	70.8KL	1.5KL	
Active #3	KNPP	1.08sg	30.0KL	30.0KL	1.5KL	
Active #4	KNPP	1.08sg	26.8KL	26.8KL	1.5KL	
Active #5	KNPP	1.08sg	23.4KL	23.4KL	1.5KL	
Active #6	Seawater	1.03sg	58.0KL	58.0KL	1.5KL	
Chemical	Mud Push2	1.20sg	5.8KL	5.8KL	0.1KL	
Slug	KNPP	1.08sg	10.7KL	10.7KL	0.1KL	

Chemical Tank

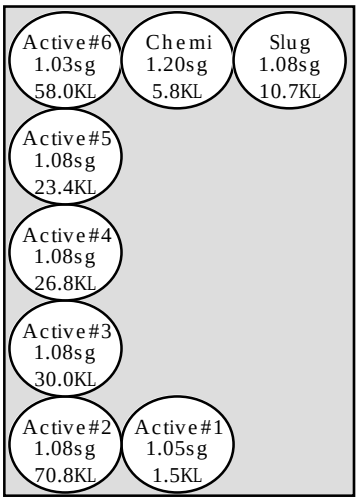
Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	100,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	800kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 240.4 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	145.6KL	145.6KL	3.8KL	
Reserve #4	Slug	1.19sg	15.5KL	15.5KL	3.8KL	
Reserve #5	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #6	KNPP	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						



Mud Tank Total WT 740.8 ton

Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		104,200	220,800	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300	100	1,000	2,300	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		3,000	80	2,220	780	
Tel-Polymer(L)		10,880		8,500	2,380	
Tel-Polymer(DX)		16,000		12,800	3,200	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,800		2,100	700	
NaCl(Bag)		118,000		69,000	49,000	
KCl(Bag)		76,000	2,000	66,000	10,000	
Clean Lube(L)		26,400		17,800	8,600	
Clean Lube		17,600		14,400	3,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		3,000		2,400	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 101.2 ton

Total Weight 1,082.3 ton

Made by : K.maruyama

Drilling Mud Report(Off Shore)

Telnite

No. 54 | Company MQJ | Date 1, July, 2009 | Well Name NanTro SEIZE Stage.2 | Engineer Torimoto H.Maruyama | TOTAL Depth(MSL) 3,380.7 m | BRT Depth: 3,409.0 m , SSL Depth: 1,326.7 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit : 22
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) : 125		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up : 233
Intermediate	in m	B/Hole Vol. (m^3) : 47		Pump No.3 (l/st) : 19.45	DC2 Size (in) : 8	Surf to Surf : 254
Intermediate	in m	Disp Vol. (m^3) : 19		P/Speed No.1 (spm) : 45	A/Vel DP (ft/min) : 92	System Total : 313
Intermediate	in m	T/Circ Vol. (m^3) : 655		P/Speed No.2 (spm) : 45	A/Vel DC1(ft/min) : 141	P/ Press(Mpa) : 13.4
Production	in m	Pit Vol. (m^3) : 100		P/Speed No.3 (spm) : 45	A/Vel Riser(ft/min) :	
		Bit Size (inch) : 12.25		Rate (gal/min) : 673		

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties		Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	6:45	20:30	Tel-Bar(Bulk)		104,200	
Depth (m)	3388	2759	Kunigel-VO(Bulk)		141,060	
Mud Weight (SG/PPG)	1.08 9.0	1.08 9.0	NaOH		3,025	
Funnel Viscosity(sec./qt.)	91	93	KOH		1,000	
A.V(cps) at / cent.	/ 52	51	Lime		2,850	
P.V(cps)	/ 34	33	Soda Ash			
Y.V(lb/100ft^2)	/ 36	36	Tel-Polymer(H)	100	2,320	155,000
10"Gel(lb/100ft^2)	/ 7	8	Tel-Polymer(L)		8,500	
10'Gel(lb/100ft^2)	/ 8	8	Tel-Polymer(DX)		12,800	
API Filtrate(cc/30min.)	4.4	4.4	XCD Polymer		400	
Cake Thickness(mm)	0.5	0.5	Xan-Vis		2,100	
pH(-)	10.4	10.6	NaCl(Bag)		69,000	
Pf(cc)	0.1	0.1	KCl(Bag)		66,000	
Pm(cc)	0.4	0.3	Clean Lube(L)		17,800	
Mf(cc)	0.4	0.3	Clean Lube		14,400	
Cl^-(mg/l)	57,500	58,200	Tel-Clean			
Sand Content(%)	0.40	0.30	Lignate NC			
Oil Content(% Vol.)	0	0	Telnite GXL			
Solid Content(% Vol.)	6	6	Baracor 100			
M.B.C.(cc/cc.mud)	0.50	0.50	Telnite OS-5			
Temperature(in/out cent.)	12 14	13	Bi-Carbonate			
HT-HP Filtrate(cc)			Treat HS			
HT-HP Filtrate Cake(mm)			EZ Spot			
K^+(mg/l)	23,200	25,300	Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)			Speeder(X)			
n Value(600rpm/300rpm)	0.57	0.56	Tel-DD		2,400	
k Value(600rpm/300rpm)	1.99	2.05	Deformer No.30C			
LGS/Drill Solids(% Vol.)			Tel-Stop(G)			
			Tel-Stop(P)			
			Tel-Mica(C)			
			Tel-Mica(M)			
			Tel-Mica(F)			
			Tel-Plug(C)			
			Tel-Plug(M)			
			Tel-Plug(F)			
			CaCl2(without water)			
			TAN CAL C			
			TAN CAL M			
			TAN CAL F			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
6:45	12	104	70	56	37	9	7
20:30		102	69	56	35	8	7

Well Summary

Drill 12 1/4" hole to 3407m. Circulate & with BTM UP. W/trip F/3,407 T/2,762m. Attempt to break out connection with TJB, no go, dies slipping. W/T went with tongs. Break out using rig tongs. Remove TJB & replace dies. Function test. RIH F/2,762 T/3,373m. Break Circ. Wash down to BTM and tag at 3,384m. Continue drilling.

Recommendation

Run two centrifuge & two Mud Cleaner.
Changed lower screen for shale shakers No.2 f/84# t/primary 165#, secondary 145#.
Add polymer(H) for condition F/vis.
Dilution volume:34.4m3. Dilution late ave:5.7m3/hr.
Lost :25.3m3
Total lost :102.9m3

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	165	165	165	165	165	165			ON	ON	ON	ON	
Btm2	145	145	145	145	145	145							

Daily Cost	155,000
Total Cost	82,055,860

MATERIALS REPORT

NO. 54

Well Name NanTro SEIZE Stage.2

DATE 1. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			100,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			800kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite				
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 100,000k	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 800kg	Barite 0kg	Barite	Bentonite 0kg

Total Bulk Tank W.T. 240,360kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				104,200		220,800	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				1,000		2,300	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		3,000			100	2,320	155,000	680	
Tel-Polymer(L)	1,550,000		10,880				8,500		2,380	
Tel-Polymer(DX)	1,150,000		16,000				12,800		3,200	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,800				2,100		700	
NaCl(Bag)	40,000		118,000				69,000		49,000	
KCl(Bag)	150,000		76,000				66,000		10,000	
Clean Lube(L)	580,000		26,400				17,800		8,600	
Clean Lube	550,000		17,600				14,400		3,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		3,000				2,400		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									
TAN CAL C										
TAN CAL M			3,990						3,990	
TAN CAL F			3,960						3,960	

BALLAST REPORT(Off Shore)

NO. 54

DATE 1, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty	1.05sg	1.5KL	1.5KL	1.5KL	
Active #2	KNPP	1.08sg	70.8KL	70.8KL	1.5KL	
Active #3	KNPP	1.08sg	72.1KL	72.1KL	1.5KL	
Active #4	KNPP	1.08sg	22.9KL	22.9KL	1.5KL	
Active #5	KNPP	1.08sg	19.9KL	19.9KL	1.5KL	
Active #6	Seawater	1.03sg	58.0KL	58.0KL	1.5KL	
Chemical	Mud Push2	1.20sg	5.8KL	5.8KL	0.1KL	
Slug	KNPP	1.08sg	10.7KL	10.7KL	0.1KL	

Chemical Tank

Unit(kg)

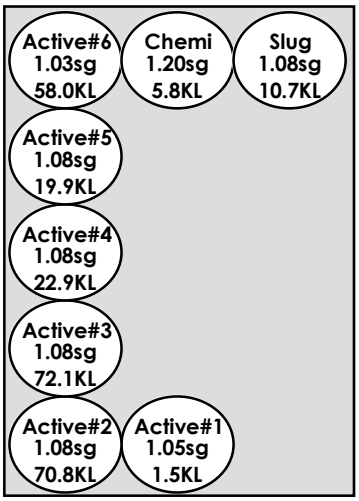
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	100,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	800kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite		
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 240.4 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	69.3KL	69.3KL	3.8KL	
Reserve #4	Slug	1.19sg	15.5KL	15.5KL	3.8KL	
Reserve #5	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #6	KNPP	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 695.8 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		104,200	220,800	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300		1,000	2,300	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		3,000		2,220	780	
Tel-Polymer(L)		10,880		8,500	2,380	
Tel-Polymer(DX)		16,000		12,800	3,200	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,800		2,100	700	
NaCl(Bag)		118,000		69,000	49,000	
KCl(Bag)		76,000		66,000	10,000	
Clean Lube(L)		26,400		17,800	8,600	
Clean Lube		17,600		14,400	3,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		3,000		2,400	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 101.2 ton

Total Weight 1,037.3 ton

Made by : K.maruyama

Drilling Mud Report(Off Shore)

Telnite

Engineer: Torimoto H.Maruyama

No. 55 | Date: 2, July, 2009 | TOTAL Depth(MSL): 3,563.7 m

Company: MQJ | Well Name: NanTro SEIZE Stage.2 | BRT Depth: 3,592.0 m , SSL Depth: 1,509.7 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :	401	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :	125	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	61	Pump No.3 (l/st) : 19.45	DC2 Size (in) : 8	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	19	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	668	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	A/Vel Rise(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :	12.25	Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties		
Time (Sampling : Suction)	9:50	16:00
Depth (m)	3546	3592
Mud Weight (SG/PPG)	1.08 9.0	1.08 9.0
Funnel Viscosity(sec./qt.)	90	89
A.V(cps) at / cent.	/ 54	51.5
P.V(cps)	/ 35	34
Y.V(lb/100ft^2)	/ 38	35
10"Gel(lb/100ft^2)	/ 7	8
10'Gel(lb/100ft^2)	/ 8	8
API Filtrate(cc/30min.)	4.2	4.3
Cake Thickness(mm)	0.5	0.5
pH(-)	10.5	10.9
Pf(cc)	0.1	0.2
Pm(cc)	0.3	0.3
Mf(cc)	0.3	0.4
Cl^-(mg/l)	60,400	59,300
Sand Content(%)	0.20	0.20
Oil Content(% Vol.)	0	0
Solid Content(% Vol.)	6	6
M.B.C.(cc/cc.mud)	0.50	0.50
Temperature(in/out cent.)	13 11	12 11
HT-HP Filtrate(cc)		
HT-HP Filtrate Cake(mm)		
K^+(mg/l)	24,800	25,300
Ca^{++}/Mg^{++}(mg/l)	80	
n Value(600rpm/300rpm)	0.57	0.58
k Value(600rpm/300rpm)	2.15	1.88
LGS/Drill Solids(% Vol.)		

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)	1,400	105,600	57,400
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH	50	1,050	16,500
Lime		2,850	
Soda Ash			
Tel-Polymer(H)		2,320	
Tel-Polymer(L)		8,500	
Tel-Polymer(DX)		12,800	
XCD Polymer		400	
Xan-Vis		2,100	
NaCl(Bag)		69,000	
KCl(Bag)		66,000	
Clean Lube(L)		17,800	
Clean Lube		14,400	
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		2,400	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			
TAN CAL C			
TAN CAL M			
TAN CAL F			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
9:50	13	108	73	58	39	9	7
16:00		103	69	58	39	8	7

Well Summary

Drill 12 1/4" hole to 3,592m. Circulate & BTM's UP until shakers clean. POOH to 3,373m for wiper trip. Wash pipe did not seal. POOH wet to 20" CSG shoe dxso that wash pipe can be replaced.

Recommendation

Mixed 1.28sg slug mud.

Run two centrifuge.
Add caustic potassium for condition pH.

Dilution volume:34.6m3. Dilution late ave:4.8m3/hr.
Lost :20.4m3
Total lost :123.3m3

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	165	165	165	165	165	165			OFF	OFF	ON	ON	
Btm2	145	145	145	145	145	145							

Daily Cost	73,900
Total Cost	82,129,760

MATERIALS REPORT

NO. 55

Well Name NanTro SEIZE Stage.2

DATE 2. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite		3,200kg	96,800kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite	3,200kg	1,800t	2,200kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite	1,800kg	1,400t	400kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 96,800kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 2,200kg	Barite 0kg	Barite 400kg	Bentonite 0kg

Total Bulk Tank W.T. 238,960kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000			1,400	105,600	57,400	219,400	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			50	1,050	16,500	2,250	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000	400	3,400				2,320		1,080	
Tel-Polymer(L)	1,550,000	2,600	13,480				8,500		4,980	
Tel-Polymer(DX)	1,150,000		16,000				12,800		3,200	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000	550	3,350				2,100		1,250	
NaCl(Bag)	40,000		118,000				69,000		49,000	
KCl(Bag)	150,000	24,000	100,000				66,000		34,000	
Clean Lube(L)	580,000		26,400				17,800		8,600	
Clean Lube	550,000	7,000	24,600				14,400		10,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000	1,400	4,400				2,400		2,000	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									
TAN CAL C										
TAN CAL M			3,990						3,990	
TAN CAL F			3,960						3,960	

BALLAST REPORT(Off Shore)

NO. 55

DATE 2, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty	1.05sg	1.5KL	1.5KL	1.5KL	
Active #2	KNPP	1.08sg	65.5KL	65.5KL	1.5KL	STILL MIX
Active #3	KNPP	1.08sg	41.9KL	41.9KL	1.5KL	
Active #4	KNPP	1.08sg	25.0KL	25.0KL	1.5KL	
Active #5	KNPP	1.08sg	24.9KL	24.9KL	1.5KL	
Active #6	Seawater	1.03sg	58.0KL	58.0KL	1.5KL	
Chemical	Mud Push2	1.20sg	5.8KL	5.8KL	0.1KL	
Slug	Slug Mud	1.28sg	10.9KL	10.9KL	0.1KL	

Chemical Tank

Unit(kg)

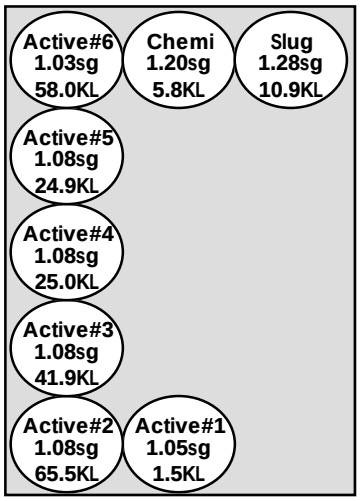
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	96,800kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	2,200kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	400kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 239.0 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	138.8KL	138.8KL	3.8KL	
Reserve #4	Empty	1.19sg	3.8KL	3.8KL	3.8KL	
Reserve #5	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #6	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 728.7 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000	1,400	105,600	219,400	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300	50	1,050	2,250	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)	400	3,400		2,320	1,080	
Tel-Polymer(L)	2,600	13,480		8,500	4,980	
Tel-Polymer(DX)		16,000		12,800	3,200	
XCD Polymer		1,400		400	1,000	
Xan-Vis	550	3,350		2,100	1,250	
NaCl(Bag)		118,000		69,000	49,000	
KCl(Bag)	24,000	100,000		66,000	34,000	
Clean Lube(L)		26,400		17,800	8,600	
Clean Lube	7,000	24,600		14,400	10,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD	1,400	4,400		2,400	2,000	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 137.0 ton

Total Weight 1,104.6 ton

Made by : H.maruyama

Drilling Mud Report(Off Shore)

Engineer: R.Fujii / H.Ikeda

No. 56 | Date: 3, July, 2009 | TOTAL Depth(MSL): 3,563.7 m

Company: MQJ | Well Name: NanTro SEIZE Stage.2 | BRT Depth: 3,592.0 m , SSL Depth: 1,509.7 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) : 125		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) : 61		Pump No.3 (l/st) : 19.45	DC2 Size (in) : 8	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) : 19		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 668		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) : 100		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) : 12.25		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties	18:00	
Time (Sampling : Suction)		
Depth (m)	PIT	
Mud Weight (SG/PPG)	1.08	9.0
Funnel Viscosity(sec./qt.)	107	
A.V(cps) at / cent.	/	
P.V(cps)	/	
Y.V(lb/100ft^2)	/	
10"Gel(lb/100ft^2)	/	
10'Gel(lb/100ft^2)	/	
API Filtrate(cc/30min.)		
Cake Thickness(mm)		
pH(-)		
Pf(cc)		
Pm(cc)		
Mf(cc)		
Cl^-(mg/l)		
Sand Content(%)		
Oil Content(% Vol.)		
Solid Content(% Vol.)		
M.B.C.(cc/cc.mud)		
Temperature(in/out cent.)		
HT-HP Filtrate(cc)		
HT-HP Filtrate Cake(mm)		
K^+(mg/l)		
Ca^{++}/Mg^{++}(mg/l)		
n Value(600rpm/300rpm)		
k Value(600rpm/300rpm)		
LGS/Drill Solids(% Vol.)		

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)	9,800	115,400	401,800
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH	125	1,175	41,250
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	120	2,440	186,000
Tel-Polymer(L)	520	9,020	806,000
Tel-Polymer(DX)	960	13,760	1,104,000
XCD Polymer		400	
Xan-Vis	125	2,225	312,500
NaCl(Bag)	3,000	72,000	120,000
KCl(Bag)	5,000	71,000	750,000
Clean Lube(L)	1,800	19,600	1,044,000
Clean Lube		14,400	
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD	400	2,800	256,000
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			
TAN CAL C			
TAN CAL M			
TAN CAL F			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
18:00							

Well Summary

POOH and change assy. RIH with core assy.

Recommendation

Builed up new mud volume : 70kl
Added new mud to active : 0kl

Today's lost mud volume : 0kl (Total 123.3kl)

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
Btm1	165	165	165	165	165	165			OFF	OFF	ON	ON	
Btm2													

Daily Cost	5,021,550
Total Cost	87,151,310

MATERIALS REPORT

NO. 56

Well Name NanTro SEIZE Stage.2

DATE 3. Jul. 09

TIME

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite		9,800kg	87,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite	9,800kg	9,800t	2,200kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			400kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 87,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 2,200kg	Barite 0kg	Barite 400kg	Bentonite 0kg

Total Bulk Tank W.T. 229,160kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000			9,800	115,400	401,800	209,600	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			125	1,175	41,250	2,125	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		3,000			120	2,440	186,000	560	
Tel-Polymer(L)	1,550,000		10,880			520	9,020	806,000	1,860	
Tel-Polymer(DX)	1,150,000		21,000			960	13,760	1,104,000	7,240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,800			125	2,225	312,500	575	
NaCl(Bag)	40,000		118,000			3,000	72,000	120,000	46,000	
KCl(Bag)	150,000		80,000			5,000	71,000	750,000	9,000	
Clean Lube(L)	580,000		29,600			1,800	19,600	1,044,000	10,000	
Clean Lube	550,000		20,400				14,400		6,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		3,000			400	2,800	256,000	200	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									
TAN CAL C										
TAN CAL M			3,990						3,990	
TAN CAL F			3,960						3,960	

BALLAST REPORT(Off Shore)

NO. 56

Well Name NanTro SEIZE Stage.2

DATE 3, Jul, 09

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty	1.05sg	1.5KL	1.5KL	1.5KL	
Active #2	KNPP	1.08sg	71.4KL	71.4KL	1.5KL	
Active #3	KNPP	1.08sg	8.0KL	8.0KL	1.5KL	
Active #4	KNPP	1.08sg	25.0KL	25.0KL	1.5KL	
Active #5	KNPP	1.08sg	25.0KL	25.0KL	1.5KL	
Active #6	Seawater	1.03sg	58.0KL	58.0KL	1.5KL	
Chemical	Mud Push2	1.20sg	5.8KL	5.8KL	0.1KL	
Slug	Slug Mud	1.28sg	6.0KL	6.0KL	0.1KL	

Chemical Tank

Unit(kg)

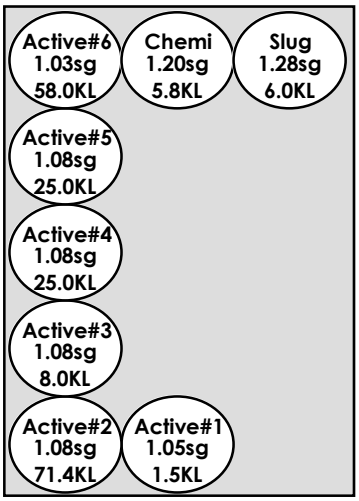
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	87,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	2,200kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	400kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 229.2 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	170.0KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	138.8KL	138.8KL	3.8KL	
Reserve #4	Empty	1.19sg	3.8KL	3.8KL	3.8KL	
Reserve #5	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #6	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 677.7 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000	9,800	115,400	209,600	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300	125	1,175	2,125	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		3,000	120	2,440	560	
Tel-Polymer(L)		10,880	520	9,020	1,860	
Tel-Polymer(DX)		21,000	960	13,760	7,240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,800	125	2,225	575	
NaCl(Bag)		118,000	3,000	72,000	46,000	
KCl(Bag)		80,000	5,000	71,000	9,000	
Clean Lube(L)		29,600	1,800	19,600	10,000	
Clean Lube		20,400		14,400	6,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		3,000	400	2,800	200	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 104.0 ton

Total Weight 1,010.8 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Engineer: R.Fujii / H.Ikeda

No. 57 | Date: 4, July, 2009 | TOTAL Depth(MSL): 3,563.7 m

Company: MQJ | Well Name: NanTro SEIZE Stage.2 | BRT Depth: 3,592.0 m , SSL Depth: 1,509.7 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) : 125		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) : 61		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) : 18		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 669		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) : 100		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) : 10.625		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties			
Time (Sampling : Suction)	7:30	20:00	
Depth (m)	PIT	(3508)	
Mud Weight (SG/PPG)	1.08 9.0	1.08 9.0	
Funnel Viscosity(sec./qt.)	80	89	
A.V(cps) at / cent.	46.5	/50.5	
P.V(cps)	30	/ 32	
Y.V(lb/100ft^2)	33	/ 37	
10"Gel(lb/100ft^2)	6	/ 8	
10'Gel(lb/100ft^2)	7	/ 8	
API Filtrate(cc/30min.)	4.2	4.1	
Cake Thickness(mm)	0.5	0.5	
pH(-)	10.3	10.8	
Pf(cc)	0.1	0.3	
Pm(cc)		0.3	
Mf(cc)		0.3	
Cl^-(mg/l)	58,200	63,900	
Sand Content(%)	0.20	0.20	
Oil Content(% Vol.)		0	
Solid Content(% Vol.)		6	
M.B.C.(cc/cc.mud)	0.50	0.50	
Temperature(in/out cent.)	21	13 15	
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)		24,800	
Ca^{++}/Mg^{++}(mg/l)		40 73	
n Value(600rpm/300rpm)	0.56	0.55	
k Value(600rpm/300rpm)	1.90	2.24	
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		115,400	
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH		1,175	
Lime		2,850	
Soda Ash			
Tel-Polymer(H)		2,440	
Tel-Polymer(L)		9,020	
Tel-Polymer(DX)		13,760	
XCD Polymer		400	
Xan-Vis		2,225	
NaCl(Bag)		72,000	
KCl(Bag)		71,000	
Clean Lube(L)		19,600	
Clean Lube		14,400	
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		2,800	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			
TAN CAL C			
TAN CAL M			
TAN CAL F			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
7:30		93	63	49	33	9	6
20:00	13	101	69	54	37	9	6

Well Summary

RIH with RCB core assy. Ream from 3,477m. Reaming on.

Recommendation

Builed up new mud volume : 0kl
Added new mud to active : 23.9kl(While bit trip)

Today's lost mud volume : 20.6kl (While bit trip)
7.0kl (while reaming from 20:00 to 24:00)
Total lost mud volume : 150.9kl

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	165	165	165	165	165	165			OFF	OFF	ON	ON	
Btm2													

Daily Cost	0
Total Cost	87,151,310

MATERIALS REPORT

NO. 57

Well Name NanTro SEIZE Stage.2

DATE 4. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			87,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			2,200kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			400kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 87,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 2,200kg	Barite 0kg	Barite 400kg	Bentonite 0kg

Total Bulk Tank W.T. 229,160kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				115,400		209,600	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				1,175		2,125	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		3,000				2,440		560	
Tel-Polymer(L)	1,550,000		10,880				9,020		1,860	
Tel-Polymer(DX)	1,150,000		21,000				13,760		7,240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		2,800				2,225		575	
NaCl(Bag)	40,000		118,000				72,000		46,000	
KCl(Bag)	150,000		80,000				71,000		9,000	
Clean Lube(L)	580,000		29,600				19,600		10,000	
Clean Lube	550,000		20,400				14,400		6,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		3,000				2,800		200	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									
TAN CAL C										
TAN CAL M			3,990						3,990	
TAN CAL F			3,960						3,960	

BALLAST REPORT(Off Shore)

NO. 57

DATE 4, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty	1.05sg	1.5KL	1.5KL	1.5KL	
Active #2	KNPP	1.08sg	71.4KL	71.4KL	1.5KL	
Active #3	KNPP	1.08sg	8.0KL	8.0KL	1.5KL	
Active #4	KNPP	1.08sg	25.4KL	25.4KL	1.5KL	
Active #5	KNPP	1.08sg	24.4KL	24.4KL	1.5KL	
Active #6	Seawater	1.03sg	58.0KL	58.0KL	1.5KL	
Chemical	Mud Push2	1.20sg	5.8KL	5.8KL	0.1KL	
Slug	Slug Mud	1.28sg	6.0KL	6.0KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	138.8KL	138.8KL	3.8KL	
Reserve #4	Empty	1.19sg	3.8KL	3.8KL	3.8KL	
Reserve #5	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #6	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

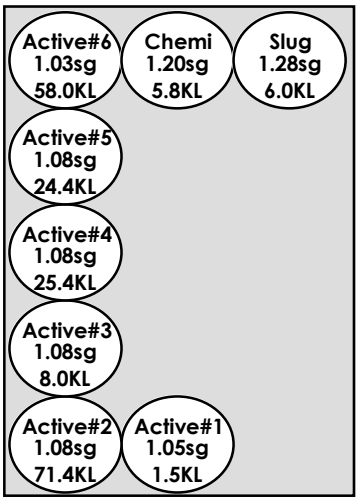
Mud Tank Total WT 692.1 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	87,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	2,200kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	400kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 229.2 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		115,400	209,600	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300		1,175	2,125	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		3,000		2,440	560	
Tel-Polymer(L)		10,880		9,020	1,860	
Tel-Polymer(DX)		21,000		13,760	7,240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		2,800		2,225	575	
NaCl(Bag)		118,000		72,000	46,000	
KCl(Bag)		80,000		71,000	9,000	
Clean Lube(L)		29,600		19,600	10,000	
Clean Lube		20,400		14,400	6,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		3,000		2,800	200	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 104.0 ton

Total Weight 1,025.2 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Telnite

Engineer: R.Fujii, H.Ikeda

No. 58

Date: 5, July, 2009

TOTAL Depth(MSL): 3,573.7 m

Company: MQJ

Well Name: NanTro SEIZE Stage.2

BRT Depth: 3,602.0 m , SSL Depth: 1,519.7 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :	401	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :	125	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	62	Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	18	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	
Intermediate	in m	T/Circ Vol. (m^3) :	670	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	System Total :
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :	10.625	Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties			
Time (Sampling : Suction)	5:00		
Depth (m)	3600	PIT	
Mud Weight (SG/PPG)	1.08 | 9.0	1.08 | 9.0	
Funnel Viscosity(sec./qt.)	94	92	
A.V(cps) at / cent.	50.5	/	
P.V(cps)	33	/	
Y.V(lb/100ft^2)	35	/	
10"Gel(lb/100ft^2)	7	/	
10'Gel(lb/100ft^2)	8	/	
API Filtrate(cc/30min.)	4.1		
Cake Thickness(mm)	0.5		
pH(-)	10.6		
Pf(cc)	0.2		
Pm(cc)	0.3		
Mf(cc)	0.4		
Cl^-(mg/l)	62,130		
Sand Content(%)	0.20		
Oil Content(% Vol.)	0		
Solid Content(% Vol.)	6		
M.B.C.(cc/cc.mud)	0.50		
Temperature(in/out cent.)	14 | 15		
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)	21,400		
Ca^{++}/Mg^{++}(mg/l)	80 | 97		
n Value(600rpm/300rpm)	0.57		
k Value(600rpm/300rpm)	1.94		
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		115,400	
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH	50	1,225	16,500
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	80	2,520	124,000
Tel-Polymer(L)		9,020	
Tel-Polymer(DX)		13,760	
XCD Polymer		400	
Xan-Vis	50	2,275	125,000
NaCl(Bag)		72,000	
KCl(Bag)		71,000	
Clean Lube(L)		19,600	
Clean Lube		14,400	
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		2,800	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			
TAN CAL C			
TAN CAL M			
TAN CAL F			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
5:00		101	68	53	37	8	6

Well Summary

Cont Circulation and bottom up. Run RCB Inner barrel.
Cut Core from 3,592.2m to 3,602.2m. POOH and Change XO. POOH and check Bit.

Builed up 20kl of Hi-Vis mud(F/vis300+sec/qt, PV48,YP101,Gel27-30)

Recommendation

Builed up new mud volume : 0kl
Added new mud to active : 6.5kl
Today's lost mud volume : 7.2kl
Total lost mud volume : 158.1kl

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	165	165	165	165	165	165			OFF	OFF	OFF	OFF	
Btm2													

Daily Cost	265,500
Total Cost	87,416,810

MATERIALS REPORT

NO. 58

Well Name NanTro SEIZE Stage.2

DATE 5. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			87,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			2,200kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			400kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 87,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 2,200kg	Barite 0kg	Barite 400kg	Bentonite 0kg

Total Bulk Tank W.T. 229,160kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				115,400		209,600	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			50	1,225	16,500	2,075	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000	400	3,400			80	2,520	124,000	880	
Tel-Polymer(L)	1,550,000	1,600	12,480				9,020		3,460	
Tel-Polymer(DX)	1,150,000		21,000				13,760		7,240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000	750	3,550			50	2,275	125,000	1,275	
NaCl(Bag)	40,000		118,000				72,000		46,000	
KCl(Bag)	150,000	8,000	88,000				71,000		17,000	
Clean Lube(L)	580,000		29,600				19,600		10,000	
Clean Lube	550,000		20,400				14,400		6,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000	1,200	4,200				2,800		1,400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									
TAN CAL C										
TAN CAL M			3,990						3,990	
TAN CAL F			3,960						3,960	

BALLAST REPORT(Off Shore)

NO. 58

DATE 5, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty	1.05sg	1.5KL	1.5KL	1.5KL	
Active #2	KNPP	1.08sg	49.7KL	49.7KL	1.5KL	
Active #3	KNPP	1.08sg	1.5KL	1.5KL	1.5KL	
Active #4	KNPP	1.08sg	18.9KL	18.9KL	1.5KL	
Active #5	KNPP	1.08sg	18.0KL	18.0KL	1.5KL	
Active #6	Seawater	1.03sg	58.0KL	58.0KL	1.5KL	
Chemical	Mud Push2	1.20sg	5.8KL	5.8KL	0.1KL	
Slug	Slug Mud	1.28sg	21.0KL	21.0KL	0.1KL	

Chemical Tank

Unit(kg)

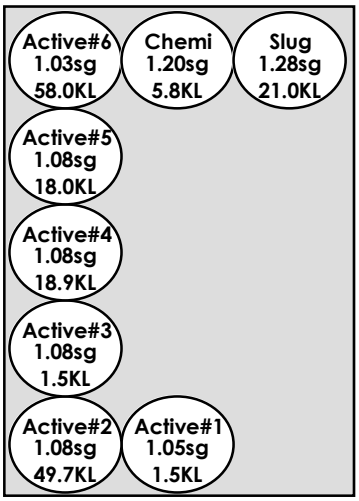
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	87,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	2,200kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	400kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 229.2 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	138.8KL	138.8KL	3.8KL	
Reserve #4	Empty	1.19sg	3.8KL	3.8KL	3.8KL	
Reserve #5	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #6	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 666.9 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		115,400	209,600	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300	50	1,225	2,075	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)	400	3,400	80	2,520	880	
Tel-Polymer(L)	1,600	12,480		9,020	3,460	
Tel-Polymer(DX)		21,000		13,760	7,240	
XCD Polymer		1,400		400	1,000	
Xan-Vis	750	3,550	50	2,275	1,275	
NaCl(Bag)		118,000		72,000	46,000	
KCl(Bag)	8,000	88,000		71,000	17,000	
Clean Lube(L)		29,600		19,600	10,000	
Clean Lube		20,400		14,400	6,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD	1,200	4,200		2,800	1,400	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 115.7 ton

Total Weight 1,011.8 ton

Made by : H.ikeda

Telnite

Drilling Mud Report(Off Shore)

No.	59
Company	MQJ
Date	6, July, 2009
Well Name	NanTro SEIZE Stage.2
Engineer	R.Fujii H.Ikeda
TOTAL Depth(MSL)	3,582.7 m
BRT Depth: 3,611.0 m , SSL Depth: 1,528.7 m	

Casing Program			Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	36 in	2,136.8 m	Riser Vol. (m^3) :	401	Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	15
Intermediate	20 in	2,786.2 m	CSG Vol. (m^3) :	125	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8.5	Bottom's Up :	200
Intermediate	in	m	B/Hole Vol. (m^3) :	63	Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	215
Intermediate	in	m	Disp Vol. (m^3) :	18	P/Speed No.1 (spm) :	71	A/Vel DP (ft/min) :	144	System Total :	252
Intermediate	in	m	T/Circ Vol. (m^3) :	671	P/Speed No.2 (spm) :	70	A/Vel DC1(ft/min) :	222	P/ Press(Mpa) :	
Production	in	m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :		A/Vel Riser(ft/min) :			
			Bit Size (inch) :	10.625	Rate (gal/min) :	703				

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties			
Time (Sampling : Suction)	8:30	19:30	
Depth (m)	PIT	3611	
Mud Weight (SG/PPG)	1.09 / 9.1	1.09 / 9.1	
Funnel Viscosity(sec./qt.)	93	89	
A.V(cps) at / cent.	54	/50.5	
P.V(cps)	35	/ 32	
Y.V(lb/100ft²)	38	/ 37	
10"Gel(lb/100ft²)	7	/ 7	
10'Gel(lb/100ft²)	8	/ 8	
API Filtrate(cc/30min.)	4.0	4.0	
Cake Thickness(mm)	0.5	0.5	
pH(-)	10.7	10.5	
Pf(cc)	0.2	0.2	
Pm(cc)	0.3	0.3	
Mf(cc)	0.3	0.3	
Cl^-(mg/l)	74,500	71,300	
Sand Content(%)	0.20	0.20	
Oil Content(% Vol.)	0	0	
Solid Content(% Vol.)	6	6	
M.B.C.(cc/cc.mud)	0.50	0.50	
Temperature(in/out cent.)	14 /	16 / 9	
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)	26,900	30,200	
Ca^{++}/Mg^{++}(mg/l)	80 / 73	80 / 146	
n Value(600rpm/300rpm)	0.57	0.55	
k Value(600rpm/300rpm)	2.15	2.24	
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		115,400	
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH	150	1,375	49,500
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	140	2,660	217,000
Tel-Polymer(L)	520	9,540	806,000
Tel-Polymer(DX)	700	14,460	805,000
XCD Polymer		400	
Xan-Vis	125	2,400	312,500
NaCl(Bag)	12,000	84,000	480,000
KCl(Bag)	10,000	81,000	1,500,000
Clean Lube(L)	2,000	21,600	1,160,000
Clean Lube		14,400	
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD	200	3,000	128,000
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			
TAN CAL C			
TAN CAL M			
TAN CAL F			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
8:30		108	73	58	38	8	6
19:30	16	101	69	54	37	8	6

Shale Shaker	#.1	#.2	#.3	#.4	#.5	#.6	D-Sander #.1	D-Sander #.2	Mud Cleaner #.1	Mud Cleaner #.2	CentriFuge #.1	CentriFuge #.2	CentriFuge #.3
Top	10	10	10	10	10	10							
Btm1	165	165	165	165	165	165			OFF	OFF	OFF	OFF	
Btm2													

Well Summary

RIH after clean up bit. Reamed F/3,530m-T/3,549m. Coredrill.
Increased mud weight to 1.09sg by KCl and NaCl.

Recommendation

Builed up new mud volume : 70kl
Added new mud to active : 30.9kl
Today's lost mud volume : 20.8kl
Total lost mud volume : 178.9kl

Daily Cost	5,458,000
Total Cost	92,874,810

MATERIALS REPORT

NO. 59

Well Name NanTro SEIZE Stage.2

DATE 6. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			87,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			2,200kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			400kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 87,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 2,200kg	Barite 0kg	Barite 400kg	Bentonite 0kg

Total Bulk Tank W.T. 229,160kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				115,400		209,600	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			150	1,375	49,500	1,925	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		3,400			140	2,660	217,000	740	
Tel-Polymer(L)	1,550,000		12,480			520	9,540	806,000	2,940	
Tel-Polymer(DX)	1,150,000		21,000			700	14,460	805,000	6,540	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		3,550			125	2,400	312,500	1,150	
NaCl(Bag)	40,000		118,000			12,000	84,000	480,000	34,000	
KCl(Bag)	150,000		88,000			10,000	81,000	1,500,000	7,000	
Clean Lube(L)	580,000		29,600			2,000	21,600	1,160,000	8,000	
Clean Lube	550,000		20,400				14,400		6,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		4,200			200	3,000	128,000	1,200	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									
TAN CAL C										
TAN CAL M			3,990						3,990	
TAN CAL F			3,960						3,960	

BALLAST REPORT(Off Shore)

NO. 59

DATE 6, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty	1.05sg	1.5KL	1.5KL	1.5KL	
Active #2	KNPP	1.08sg	21.6KL	21.6KL	1.5KL	
Active #3	Water	1.08sg	65.0KL	65.0KL	1.5KL	While mixing
Active #4	KNPP	1.08sg	23.9KL	23.9KL	1.5KL	
Active #5	KNPP	1.08sg	23.1KL	23.1KL	1.5KL	
Active #6	Seawater	1.03sg	58.0KL	58.0KL	1.5KL	
Chemical			0.1KL	0.1KL	0.1KL	
Slug	Slug Mud	1.28sg	21.0KL	21.0KL	0.1KL	

Chemical Tank

Unit(kg)

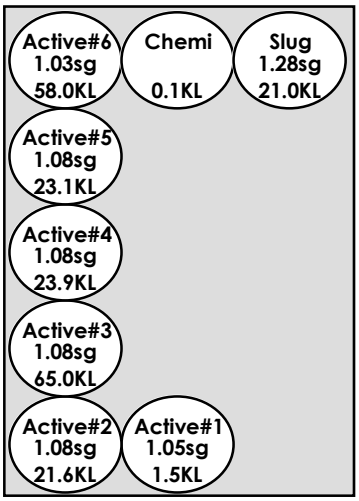
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	87,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	2,200kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	400kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 229.2 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	138.8KL	138.8KL	3.8KL	
Reserve #4	Empty	1.19sg	3.8KL	3.8KL	3.8KL	
Reserve #5	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #6	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 709.1 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		115,400	209,600	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300	150	1,375	1,925	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		3,400	140	2,660	740	
Tel-Polymer(L)		12,480	520	9,540	2,940	
Tel-Polymer(DX)		21,000	700	14,460	6,540	
XCD Polymer		1,400		400	1,000	
Xan-Vis		3,550	125	2,400	1,150	
NaCl(Bag)		118,000	12,000	84,000	34,000	
KCl(Bag)		88,000	10,000	81,000	7,000	
Clean Lube(L)		29,600	2,000	21,600	8,000	
Clean Lube		20,400		14,400	6,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		4,200	200	3,000	1,200	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 89.9 ton

Total Weight 1,028.1 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Telnite

No. 60

Company MQJ

Date	7, July, 2009
Well Name	NanTro SEIZE Stage.2
Engineer	R.Fujii H.Ikeda
TOTAL Depth(MSL)	3,607.7 m
BRT Depth: 3,636.0 m , SSL Depth: 1,553.7 m	

Casing Program			
Suface	36 in	2,136.8 m	
Intermediate	20 in	2,786.2 m	
Intermediate	in	m	
Intermediate	in	m	
Intermediate	in	m	
Production	in	m	

Mud Volume & Bit Data		
Riser Vol.	(m^3) :	401
CSG Vol.	(m^3) :	125
B/Hole Vol.	(m^3) :	65
Disp Vol.	(m^3) :	18
T/Circ Vol.	(m^3) :	673
Pit Vol.	(m^3) :	100
Bit Size	(inch) :	10.625

Pump Data		
Pump No.1	(l/st) :	19.45
Pump No.2	(l/st) :	19.45
Pump No.3	(l/st) :	19.45
P/Speed No.1 (spm) :		
P/Speed No.2 (spm) :		
P/Speed No.3 (spm) :		
Rate	(gal/min) :	

String Data		
DP Size	(in) :	5.5
DC1 Size	(in) :	8.5
DC2 Size	(in) :	
A/Vel DP	(ft/min) :	
A/Vel DC1	(ft/min) :	
A/Vel Riser	(ft/min) :	

Circulation Data (min)	
Suface to Bit	:
Bottom's Up	:
Surf to Surf	:
System Total	:
P/ Press(Mpa)	:

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties						
Time (Sampling : Suction)	7:00		20:00			
Depth (m)	(3609)		3619			
Mud Weight (SG/PPG)	1.09	9.1	1.10	9.2		
Funnel Viscosity(sec./qt.)	90		90			
A.V(cps) at / cent.	50.5		/ 53			
P.V(cps)	31		/ 34			
Y.V(lb/100ft^2)	39		/ 38			
10"Gel(lb/100ft^2)	7		/ 7			
10'Gel(lb/100ft^2)	8		/ 8			
API Filtrate(cc/30min.)	4.1		4.2			
Cake Thickness(mm)	0.5		0.5			
pH(-)	10.6		10.4			
Pf(cc)	0.2		0.2			
Pm(cc)	0.3		0.3			
Mf(cc)	0.3		0.3			
Cl^-(mg/l)	71,000		73,900			
Sand Content(%)	0.20		0.20			
Oil Content(% Vol.)	0		0			
Solid Content(% Vol.)	6		6			
M.B.C.(cc/cc.mud)	0.50		0.50			
Temperature(in/out cent.)	15	10	16	10		
HT-HP Filtrate(cc)						
HT-HP Filtrate Cake(mm)						
K^+(mg/l)	29,100		28,600			
Ca^{++}/Mg^{++}(mg/l)	80	122	80	146		
n Value(600rpm/300rpm)	0.53		0.56			
k Value(600rpm/300rpm)	2.59		2.22			
LGS/Drill Solids(% Vol.)						

VG METER READING

Time	Temp		600rpm		300rpm		200rpm		100rpm		6rpm		3rpm	
7:00			101		70		55		37		8		6	
20:00	16			106		72		57		38		9		7

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		115,400	
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH		1,375	
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	20	2,680	31,000
Tel-Polymer(L)		9,540	
Tel-Polymer(DX)		14,460	
XCD Polymer		400	
Xan-Vis		2,400	
NaCl(Bag)	11,000	95,000	440,000
KCl(Bag)		81,000	
Clean Lube(L)		21,600	
Clean Lube		14,400	
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		3,000	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			
TAN CAL C			
TAN CAL M			
TAN CAL F			

Well Summary

Cut core. Increased mud weight to 1.10sg by salt. Sweep out with 10kl of Hi-vis mud.
Cont cut core.

Recommendation

Builed up new mud volume : 0kl
Added new mud to active :66.9kl
Today's lost mud volume : 74.5kl
Total lost mud volume : 253.4kl

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	165	165	165	165	165	165			OFF	OFF	OFF	OFF	
Btm2													

Daily Cost	471,000
Total Cost	93,345,810

MATERIALS REPORT

NO. 60

Well Name NanTro SEIZE Stage.2

DATE 7. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			87,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			2,200kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			400kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 87,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 2,200kg	Barite 0kg	Barite 400kg	Bentonite 0kg

Total Bulk Tank W.T. 229,160kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				115,400		209,600	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				1,375		1,925	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		3,400			20	2,680	31,000	720	
Tel-Polymer(L)	1,550,000		12,480				9,540		2,940	
Tel-Polymer(DX)	1,150,000		21,000				14,460		6,540	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		3,550				2,400		1,150	
NaCl(Bag)	40,000		118,000			11,000	95,000	440,000	23,000	
KCl(Bag)	150,000		88,000				81,000		7,000	
Clean Lube(L)	580,000		29,600				21,600		8,000	
Clean Lube	550,000		20,400				14,400		6,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		4,200				3,000		1,200	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									
TAN CAL C										
TAN CAL M			3,990						3,990	
TAN CAL F			3,960						3,960	

BALLAST REPORT(Off Shore)

NO. 60

DATE 7, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty	1.05sg	1.5KL	1.5KL	1.5KL	
Active #2	KNPP	1.08sg	1.5KL	1.5KL	1.5KL	
Active #3	Water	1.10sg	72.0KL	72.0KL	1.5KL	
Active #4	KNPP	1.10sg	20.4KL	20.4KL	1.5KL	
Active #5	KNPP	1.10sg	17.0KL	17.0KL	1.5KL	
Active #6	Seawater	1.03sg	58.0KL	58.0KL	1.5KL	
Chemical			0.1KL	0.1KL	0.1KL	
Slug	Slug Mud	1.28sg	10.7KL	10.7KL	0.1KL	

Chemical Tank

Unit(kg)

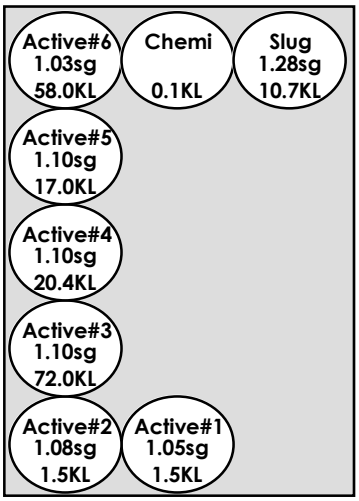
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	87,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	2,200kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	400kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 229.2 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	99.4KL	99.4KL	3.8KL	
Reserve #4	Empty	1.19sg	3.8KL	3.8KL	3.8KL	
Reserve #5	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #6	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 631.0 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		115,400	209,600	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300		1,375	1,925	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		3,400	20	2,680	720	
Tel-Polymer(L)		12,480		9,540	2,940	
Tel-Polymer(DX)		21,000		14,460	6,540	
XCD Polymer		1,400		400	1,000	
Xan-Vis		3,550		2,400	1,150	
NaCl(Bag)		118,000	11,000	95,000	23,000	
KCl(Bag)		88,000		81,000	7,000	
Clean Lube(L)		29,600		21,600	8,000	
Clean Lube		20,400		14,400	6,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		4,200		3,000	1,200	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 78.9 ton

Total Weight 939.0 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

No. 61

Engineer: R.Fujii, H.Ikeda

Company: MQJ

Date: 8, July, 2009

Well Name: NanTro SEIZE Stage.2

TOTAL Depth(MSL): 3,648.7 m

BRT Depth: 3,677.0 m , SSL Depth: 1,594.7 m

Casing Program			Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	36 in	2,136.8 m	Riser Vol. (m^3) :	401	Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	15
Intermediate	20 in	2,786.2 m	CSG Vol. (m^3) :	125	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8.5	Bottom's Up :	166
Intermediate	in	m	B/Hole Vol. (m^3) :	68	Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	181
Intermediate	in	m	Disp Vol. (m^3) :	18	P/Speed No.1 (spm) :	70	A/Vel DP (ft/min) :	143	System Total :	219
Intermediate	in	m	T/Circ Vol. (m^3) :	675	P/Speed No.2 (spm) :	70	A/Vel DC1(ft/min) :	220	P/ Press(Mpa) :	
Production	in	m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	50	A/Vel Riser(ft/min) :			
			Bit Size (inch) :	10.625	Rate (gal/min) :	947				

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties						
Time (Sampling : Suction)	5:30		20:00			
Depth (m)	3648		3670			
Mud Weight (SG/PPG)	1.10	9.2	1.10	9.2		
Funnel Viscosity(sec./qt.)	91		101			
A.V(cps) at / cent.	54		/ 58			
P.V(cps)	35		/ 36			
Y.V(lb/100ft²)	38		/ 44			
10"Gel(lb/100ft²)	7		/ 8			
10'Gel(lb/100ft²)	8		/ 9			
API Filtrate(cc/30min.)	4.1		4.0			
Cake Thickness(mm)	0.5		0.5			
pH(-)	10.9		10.6			
Pf(cc)	0.2		0.2			
Pm(cc)	0.3		0.3			
Mf(cc)	0.4		0.3			
Cl^-(mg/l)	72,070		71,700			
Sand Content(%)	0.20		0.20			
Oil Content(% Vol.)	0		0			
Solid Content(% Vol.)	6		6			
M.B.C.(cc/cc.mud)	0.50		0.50			
Temperature(in/out cent.)	14	10	14	10		
HT-HP Filtrate(cc)						
HT-HP Filtrate Cake(mm)						
K^+(mg/l)	27,500		28,600			
Ca^{++}/Mg^{++}(mg/l)	80	122	80	146		
n Value(600rpm/300rpm)	0.57		0.54			
k Value(600rpm/300rpm)	2.15		2.83			
LGS/Drill Solids(% Vol.)						

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
5:30		108	73	57	38	8	6
20:00	14	116	80	63	43	10	8

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)	2,100	117,500	86,100
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH	150	1,525	49,500
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	380	3,060	589,000
Tel-Polymer(L)	1,040	10,580	1,612,000
Tel-Polymer(DX)	1,400	15,860	1,610,000
XCD Polymer		400	
Xan-Vis	300	2,700	750,000
NaCl(Bag)	12,000	107,000	480,000
KCl(Bag)	9,000	90,000	1,350,000
Clean Lube(L)	2,000	23,600	1,160,000
Clean Lube	2,000	16,400	1,100,000
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD	400	3,400	256,000
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)			
CaCl2(without water)			
TAN CAL C			
TAN CAL M			
TAN CAL F			

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	165	165	165	165	165	165			OFF	OFF	OFF	OFF	
Btm2													

Daily Cost	9,042,600
Total Cost	102,388,410

Well Summary

Cont cut core. Sweep out with 10kl of Hi-vis mud.

Builed up 20kl of Hi-Vis mud(F/vis300+sec/qt, PV58,YP116Gel27-30)

Recommendation

Builed up new mud volume : 140kl
Added new mud to active :74.0kl
Today's lost mud volume : 48.4kl
Total lost mud volume : 301.8kl

MATERIALS REPORT

NO. 61

Well Name NanTro SEIZE Stage.2

DATE 8. Jul. 09

TIME

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			87,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite		1,700t	500kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite		400t	0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 87,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 500kg	Barite 0kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 227,060kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000			2,100	117,500	86,100	207,500	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			150	1,525	49,500	1,775	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		3,400			380	3,060	589,000	340	
Tel-Polymer(L)	1,550,000	1,120	13,600			1,040	10,580	1,612,000	3,020	
Tel-Polymer(DX)	1,150,000		21,000			1,400	15,860	1,610,000	5,140	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		3,550			300	2,700	750,000	850	
NaCl(Bag)	40,000		118,000			12,000	107,000	480,000	11,000	
KCl(Bag)	150,000	10,000	98,000			9,000	90,000	1,350,000	8,000	
Clean Lube(L)	580,000		29,600			2,000	23,600	1,160,000	6,000	
Clean Lube	550,000	2,200	22,600			2,000	16,400	1,100,000	6,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		4,200			400	3,400	256,000	800	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000						1,000	
CaCl2(without water)	300,000									
TAN CAL C										
TAN CAL M			3,990						3,990	
TAN CAL F			3,960						3,960	

BALLAST REPORT(Off Shore)

NO. 61

DATE 8, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty	1.05sg	1.5KL	1.5KL	1.5KL	
Active #2	KNPP	1.10sg	52.6KL	52.6KL	1.5KL	
Active #3	Water	1.10sg	69.1KL	69.1KL	1.5KL	
Active #4	KNPP	1.10sg	24.0KL	24.0KL	1.5KL	
Active #5	KNPP	1.10sg	21.3KL	21.3KL	1.5KL	
Active #6	Seawater	1.03sg	58.0KL	58.0KL	1.5KL	
Chemical	Slug Mud	1.20sg	12.0KL	12.0KL	0.1KL	
Slug	Hi-Vis Mud	1.10sg	11.5KL	11.5KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	99.4KL	99.4KL	3.8KL	
Reserve #4	Empty	1.19sg	3.8KL	3.8KL	3.8KL	
Reserve #5	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #6	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

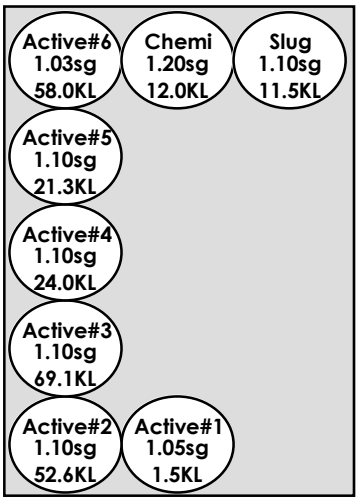
Mud Tank Total WT 706.1 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	87,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	500kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 227.1 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000	2,100	117,500	207,500	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300	150	1,525	1,775	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		3,400	380	3,060	340	
Tel-Polymer(L)	1,120	13,600	1,040	10,580	3,020	
Tel-Polymer(DX)		21,000	1,400	15,860	5,140	
XCD Polymer		1,400		400	1,000	
Xan-Vis		3,550	300	2,700	850	
NaCl(Bag)		118,000	12,000	107,000	11,000	
KCl(Bag)	10,000	98,000	9,000	90,000	8,000	
Clean Lube(L)		29,600	2,000	23,600	6,000	
Clean Lube	2,200	22,600	2,000	16,400	6,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		4,200	400	3,400	800	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000			1,000	
CaCl2(without water)						

Total SX ROOM Weight 63.5 ton

Total Weight 996.7 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Telnite

No. 62	Date 9, July, 2009	Engineer R.Fujii H.Ikeda	
Company MQJ	Well Name NanTro SEIZE Stage.2	TOTAL Depth(MSL) 3,648.7 m	
		BRT Depth: 3,677.0 m , SSL Depth: 1,594.7 m	

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :	401	Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	15
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :	125	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8.5	Bottom's Up :	166
Intermediate	in m	B/Hole Vol. (m^3) :	68	Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	181
Intermediate	in m	Disp Vol. (m^3) :	19	P/Speed No.1 (spm) :	70	A/Vel DP (ft/min) :	143	System Total :	219
Intermediate	in m	T/Circ Vol. (m^3) :	675	P/Speed No.2 (spm) :	70	A/Vel DC1(ft/min) :	220		
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	50	A/Vel Riser(ft/min) :		P/ Press(Mpa) :	9
		Bit Size (inch) :	10.625	Rate (gal/min) :	947				

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties		
Time (Sampling : Suction)	8:00	14:00	
Depth (m)	PIT	PIT	
Mud Weight (SG/PPG)	1.10 9.2	1.10 9.2	
Funnel Viscosity(sec./qt.)	91	93	
A.V(cps) at / cent.	54.5	/	
P.V(cps)	36	/	
Y.V(lb/100ft^2)	37	/	
10"Gel(lb/100ft^2)	7	/	
10'Gel(lb/100ft^2)	8	/	
API Filtrate(cc/30min.)	4.1		
Cake Thickness(mm)	0.5		
pH(-)	10.6		
Pf(cc)	0.2		
Pm(cc)	0.3		
Mf(cc)	0.3		
Cl^-(mg/l)	71,400		
Sand Content(%)	0.20		
Oil Content(% Vol.)	0		
Solid Content(% Vol.)	6		
M.B.C.(cc/cc.mud)	0.50		
Temperature(in/out cent.)	17		
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)	28,000		
Ca^{++}/Mg^{++}(mg/l)	80 122		
n Value(600rpm/300rpm)	0.58		
k Value(600rpm/300rpm)	1.98		
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)	5,500	123,000	225,500
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH	75	1,600	24,750
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	140	3,200	217,000
Tel-Polymer(L)	520	11,100	806,000
Tel-Polymer(DX)	700	16,560	805,000
XCD Polymer		400	
Xan-Vis	125	2,825	312,500
NaCl(Bag)	6,000	113,000	240,000
KCl(Bag)	4,000	94,000	600,000
Clean Lube(L)		23,600	
Clean Lube	2,000	18,400	1,100,000
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD	200	3,600	128,000
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)	200	200	70,000
CaCl2(without water)			
TAN CAL C			
TAN CAL M	300	300	10,800
TAN CAL F	300	300	10,800

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
8:00		109	73	58	38	8	6
14:00							

Well Summary

POOH and RIH with 12-1/4"bit.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	165	165	165	165	165	165			OFF	OFF	OFF	OFF	
Btm2													

Dilution mud volume, Lost mud volume and ECD

Builed up new mud volume : 70kl
Added new mud to active :35.7kl (Avr 1.5kl/hr)
Today's lost mud volume : 43.3kl (Avr 1.8kl/hr)
Total lost mud volume : 345.1kl
Equivalent circulation density (PP140spm) : 1.105sg(@shoe), 1.11sg(@3,677mBRT)

Daily Cost	4,550,350
Total Cost	106,938,760

MATERIALS REPORT

NO. 62

Well Name NanTro SEIZE Stage.2

DATE 9. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite		9,000kg	78,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite	9,000kg	7,900t	1,600kg	
Bar/Surge #1	Barite	7,900kg	5,500t	2,400kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Barite 120,000k	Barite 78,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg
Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6

Bentonite 7,860kg	Barite 1,600kg	Barite 2,400kg	Barite 0kg	Bentonite 0kg
D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge

Total Bulk Tank W.T. 221,560kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000			5,500	123,000	225,500	202,000	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			75	1,600	24,750	1,700	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000	1,700	5,100			140	3,200	217,000	1,900	
Tel-Polymer(L)	1,550,000		13,600			520	11,100	806,000	2,500	
Tel-Polymer(DX)	1,150,000	400	21,400			700	16,560	805,000	4,840	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000	400	3,950			125	2,825	312,500	1,125	
NaCl(Bag)	40,000	14,000	132,000			6,000	113,000	240,000	19,000	
KCl(Bag)	150,000	14,000	112,000			4,000	94,000	600,000	18,000	
Clean Lube(L)	580,000		29,600				23,600		6,000	
Clean Lube	550,000	4,800	27,400			2,000	18,400	1,100,000	9,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		4,200			200	3,600	128,000	600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000			200	200	70,000	800	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990			300	300	10,800	3,690	
TAN CAL F	36,000		3,960			300	300	10,800	3,660	

BALLAST REPORT(Off Shore)

NO. 62

DATE 9, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty	1.05sg	1.5KL	1.5KL	1.5KL	
Active #2	KNPP	1.10sg	67.9KL	67.9KL	1.5KL	
Active #3	Water	1.10sg	69.3KL	69.3KL	1.5KL	
Active #4	KNPP	1.10sg	25.1KL	25.1KL	1.5KL	
Active #5	KNPP	1.10sg	22.8KL	22.8KL	1.5KL	
Active #6	Seawater	1.03sg	61.3KL	61.3KL	1.5KL	
Chemical	8% LCM MUD	1.20sg	12.7KL	12.7KL	0.1KL	
Slug	Hi-Vis Mud	1.10sg	11.5KL	11.5KL	0.1KL	

Chemical Tank

Unit(kg)

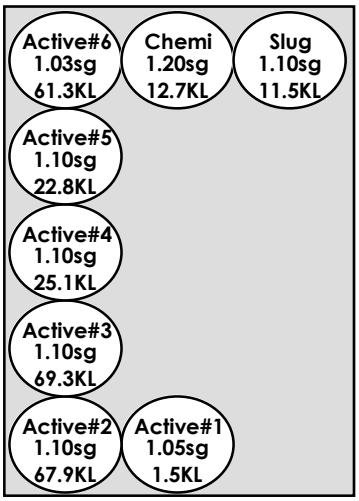
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	78,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	1,600kg	
Bar/Surge #1	Barite	2,400kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 221.6 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	112.2KL	112.2KL	3.8KL	
Reserve #4	Empty	1.19sg	3.8KL	3.8KL	3.8KL	
Reserve #5	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #6	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 744.0 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000	5,500	123,000	202,000	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300	75	1,600	1,700	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)	1,700	5,100	140	3,200	1,900	
Tel-Polymer(L)		13,600	520	11,100	2,500	
Tel-Polymer(DX)	400	21,400	700	16,560	4,840	
XCD Polymer		1,400		400	1,000	
Xan-Vis	400	3,950	125	2,825	1,125	
NaCl(Bag)	14,000	132,000	6,000	113,000	19,000	
KCl(Bag)	14,000	112,000	4,000	94,000	18,000	
Clean Lube(L)		29,600		23,600	6,000	
Clean Lube	4,800	27,400	2,000	18,400	9,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		4,200	200	3,600	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000	200	200	800	
CaCl2(without water)						

Total SX ROOM Weight 84.9 ton

Total Weight 1,050.4 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Engineer: A.Kobayashi, H.Ikeda

No. 63 | Date: 10, July, 2009 | TOTAL Depth(MSL): 3,657.7 m

Company: MQJ | Well Name: NanTro SEIZE Stage.2 | BRT Depth: 3,686.0 m , SSL Depth: 1,603.7 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :	401	Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	15
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :	125	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8.5	Bottom's Up :	203
Intermediate	in m	B/Hole Vol. (m^3) :	68	Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	218
Intermediate	in m	Disp Vol. (m^3) :	19	P/Speed No.1 (spm) :	70	A/Vel DP (ft/min) :	143	System Total :	256
Intermediate	in m	T/Circ Vol. (m^3) :	675	P/Speed No.2 (spm) :	70	A/Vel DC1(ft/min) :	220		
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :		A/Vel Riser(ft/min) :		P/ Press(Mpa) :	13.2
		Bit Size (inch) :	10.625	Rate (gal/min) :	698				

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties						Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	5:00		17:00				Tel-Bar(Bulk)	4,500	127,500	184,500
Depth (m)	PIT		3686				Kunigel-VO(Bulk)		141,060	
Mud Weight (SG/PPG)	1.10	9.2	1.10	9.2			NaOH		3,025	
Funnel Viscosity(sec./qt.)	90		93				KOH		1,600	
A.V(cps) at / cent.			/ 54				Lime		2,850	
P.V(cps)			/ 35				Soda Ash			
Y.V(lb/100ft^2)			/ 38				Tel-Polymer(H)	60	3,260	93,000
10"Gel(lb/100ft^2)			/ 6				Tel-Polymer(L)		11,100	
10'Gel(lb/100ft^2)			/ 9				Tel-Polymer(DX)		16,560	
API Filtrate(cc/30min.)			4.0				XCD Polymer		400	
Cake Thickness(mm)			0.5				Xan-Vis	50	2,875	125,000
pH(-)			10.6				NaCl(Bag)		113,000	
Pf(cc)			0.2				KCl(Bag)		94,000	
Pm(cc)			0.3				Clean Lube(L)		23,600	
Mf(cc)			0.3				Clean Lube		18,400	
Cl^-(mg/l)			71,300				Tel-Clean			
Sand Content(%)			0.20				Lignate NC			
Oil Content(% Vol.)			0				Telnite GXL			
Solid Content(% Vol.)			6				Baracor 100			
M.B.C.(cc/cc.mud)			0.50				Telnite OS-5			
Temperature(in/out cent.)			18	16			Bi-Carbonate			
HT-HP Filtrate(cc)							Treat HS			
HT-HP Filtrate Cake(mm)							EZ Spot			
K^+(mg/l)			25,800				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)			80	70			Speeder(X)			
n Value(600rpm/300rpm)			0.57				Tel-DD		3,600	
k Value(600rpm/300rpm)			2.15				Deformer No.30C			
LGS/Drill Solids(% Vol.)							Tel-Stop(G)			
							Tel-Stop(P)			
							Tel-Mica(C)			
							Tel-Mica(M)			
							Tel-Mica(F)			
							Tel-Plug(C)			
							Tel-Plug(M)			
							Tel-Plug(F)	200	400	70,000
							CaCl2(without water)			
							TAN CAL C			
							TAN CAL M	300	600	10,800
							TAN CAL F	300	600	10,800

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
5:00							
17:00	18	108	73	57	38	8	6

Well Summary

RIH with 12-1/4"bit. 10m3 of LCM Spot. Observe well.
Open up 12-1/4"hole.

Builed up 10kl of LCM mud.
Builed up 25kl of Hi-vis mud.(F/vis:300+sec/qt)

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	165	165	165	165	165	165			OFF	OFF	OFF	OFF	
Btm2													

Dilution mud volume, Lost mud volume and ECD

Builed up new mud volume : 0kl
Added new mud to active :44.8kl(Avr 1.8kl/hr)
Today's lost mud volume : 47.5kl(Avr 1.8kl/hr)
Total lost mud volume : 392.6kl
Equivalent circulation density (PP140spm) : 1.105sg(@shoe), 1.11sg(@3,686mBRT)

Daily Cost	494,100
Total Cost	107,432,860

MATERIALS REPORT

NO. 63

Well Name NanTro SEIZE Stage.2

DATE 10. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite		1,000kg	77,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite	1,000kg	2,600t	0kg	
Bar/Surge #1	Barite	2,600kg	4,500t	500kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 77,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 0kg	Barite 500kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 217,060kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000			4,500	127,500	184,500	197,500	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				1,600		1,700	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		5,100			60	3,260	93,000	1,840	
Tel-Polymer(L)	1,550,000		13,600				11,100		2,500	
Tel-Polymer(DX)	1,150,000		21,400				16,560		4,840	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		3,950			50	2,875	125,000	1,075	
NaCl(Bag)	40,000		132,000				113,000		19,000	
KCl(Bag)	150,000		112,000				94,000		18,000	
Clean Lube(L)	580,000		29,600				23,600		6,000	
Clean Lube	550,000		27,400				18,400		9,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		4,200				3,600		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000			200	400	70,000	600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990			300	600	10,800	3,390	
TAN CAL F	36,000		3,960			300	600	10,800	3,360	

BALLAST REPORT(Off Shore)

NO. 63

DATE 10, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty	1.05sg	1.5KL	1.5KL	1.5KL	
Active #2	KNPP	1.10sg	41.9KL	41.9KL	1.5KL	
Active #3	8% LCM MUD	1.13sg	14.7KL	14.7KL	1.5KL	
Active #4	KNPP	1.10sg	19.1KL	19.1KL	1.5KL	
Active #5	KNPP	1.10sg	17.5KL	17.5KL	1.5KL	
Active #6	Seawater	1.03sg	61.2KL	61.2KL	1.5KL	
Chemical	Slug Mud	1.31sg	16.4KL	16.4KL	0.1KL	
Slug	Hi-Vis Mud	1.10sg	18.5KL	18.5KL	0.1KL	

Chemical Tank

Unit(kg)

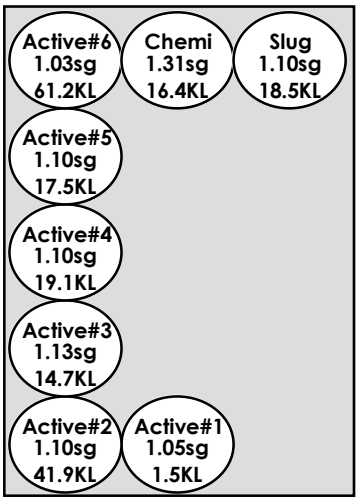
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	77,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	0kg	
Bar/Surge #1	Barite	500kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 217.1 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	112.2KL	112.2KL	3.8KL	
Reserve #4	Empty	1.19sg	3.8KL	3.8KL	3.8KL	
Reserve #5	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #6	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 657.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000	4,500	127,500	197,500	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300		1,600	1,700	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		5,100	60	3,260	1,840	
Tel-Polymer(L)		13,600		11,100	2,500	
Tel-Polymer(DX)		21,400		16,560	4,840	
XCD Polymer		1,400		400	1,000	
Xan-Vis		3,950	50	2,875	1,075	
NaCl(Bag)		132,000		113,000	19,000	
KCl(Bag)		112,000		94,000	18,000	
Clean Lube(L)		29,600		23,600	6,000	
Clean Lube		27,400		18,400	9,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		4,200		3,600	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000	200	400	600	
CaCl2(without water)						

Total SX ROOM Weight 84.5 ton

Total Weight 959.0 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Engineer: A.Kobayashi, H.Ikeda

No. 64 | Date: 11, July, 2009 | TOTAL Depth(MSL): 3,657.7 m

Company: MQJ | Well Name: NanTro SEIZE Stage.2 | BRT Depth: 3,686.0 m , SSL Depth: 1,603.7 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) : 125		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) : 68		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) : 19		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 675		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) : 13.2
Production	in m	Pit Vol. (m^3) : 100		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) : 10.625		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties			
Time (Sampling : Suction)	5:30	20:00	
Depth (m)	3686	PIT	
Mud Weight (SG/PPG)	1.10 | 9.2	1.10 | 9.2	
Funnel Viscosity(sec./qt.)	97	95	
A.V(cps) at / cent.	55	/	
P.V(cps)	35	/	
Y.V(lb/100ft^2)	40	/	
10"Gel(lb/100ft^2)	7	/	
10'Gel(lb/100ft^2)	8	/	
API Filtrate(cc/30min.)	4.1		
Cake Thickness(mm)	0.5		
pH(-)	10.6		
Pf(cc)	0.2		
Pm(cc)	0.3		
Mf(cc)	0.3		
Cl^-(mg/l)	71,700		
Sand Content(%)	0.20		
Oil Content(% Vol.)	0		
Solid Content(% Vol.)	6		
M.B.C.(cc/cc.mud)	0.50		
Temperature(in/out cent.)	16 | 13		
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)	26,400		
Ca^{++}/Mg^{++}(mg/l)	80 | 97		
n Value(600rpm/300rpm)	0.55		
k Value(600rpm/300rpm)	2.39		
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		127,500	
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH	75	1,675	24,750
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	220	3,480	341,000
Tel-Polymer(L)	520	11,620	806,000
Tel-Polymer(DX)	700	17,260	805,000
XCD Polymer		400	
Xan-Vis	175	3,050	437,500
NaCl(Bag)	6,000	119,000	240,000
KCl(Bag)	4,000	98,000	600,000
Clean Lube(L)		23,600	
Clean Lube	2,000	20,400	1,100,000
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD	200	3,800	128,000
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
5:30		110	75	59	40	8	6
20:00							

Well Summary

12-1/4" Open hple Drill F/3,592m T/3,686m. Sweep out with 20kl of Hi-vis mud. Circulate hole clean. Perform check trip F/3635m Tag at 3685.5m. Fill 1m.Circulate hole clean. POOH. R/U SLB LOG.

Builed up 20kl of Hi-vis mud.(F/vis:300+sec/qt)

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
Btm1	165	165	165	165	165	165			OFF	OFF	OFF	OFF	
Btm2													

Dilution mud volume, Lost mud volume and ECD

Builed up new mud volume : 70kl
Added new mud to active :48kl(Avr 2.0kl/hr)
Today's lost mud volume : 38.6kl(Avr 1.6kl/hr)
Total lost mud volume : 430.7kl
Equivalent circulation density (PP140spm) : 1.105sg(@shoe), 1.11sg(@3,686mBRT)

Daily Cost	4,482,250
Total Cost	111,915,110

MATERIALS REPORT

NO. 64

Well Name NanTro SEIZE Stage.2

DATE 11. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			77,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			0kg	
Bar/Surge #1	Barite			500kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Barite 120,000k	Barite 77,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg
Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6

Bentonite 7,860kg	Barite 0kg	Barite 500kg	Barite 0kg	Bentonite 0kg
D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge

Total Bulk Tank W.T. 217,060kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				127,500		197,500	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			75	1,675	24,750	1,625	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		5,100			220	3,480	341,000	1,620	
Tel-Polymer(L)	1,550,000	1,500	15,100			520	11,620	806,000	3,480	
Tel-Polymer(DX)	1,150,000		21,400			700	17,260	805,000	4,140	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		3,950			175	3,050	437,500	900	
NaCl(Bag)	40,000	20,000	152,000			6,000	119,000	240,000	33,000	
KCl(Bag)	150,000		112,000			4,000	98,000	600,000	14,000	
Clean Lube(L)	580,000		29,600				23,600		6,000	
Clean Lube	550,000		27,400			2,000	20,400	1,100,000	7,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		4,200			200	3,800	128,000	400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 64

DATE 11, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty	1.05sg	1.5KL	1.5KL	1.5KL	
Active #2	KNPP	1.10sg	67.0KL	67.0KL	1.5KL	
Active #3	Empty	1.13sg	1.5KL	1.5KL	1.5KL	
Active #4	KNPP	1.10sg	20.0KL	20.0KL	1.5KL	
Active #5	KNPP	1.10sg	20.0KL	20.0KL	1.5KL	
Active #6	Seawater	1.03sg	61.2KL	61.2KL	1.5KL	
Chemical	Slug Mud	1.31sg	7.0KL	7.0KL	0.1KL	
Slug	Hi-Vis Mud	1.10sg	18.0KL	18.0KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	122.6KL	122.6KL	3.8KL	
Reserve #4	Empty	1.19sg	3.8KL	3.8KL	3.8KL	
Reserve #5	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #6	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

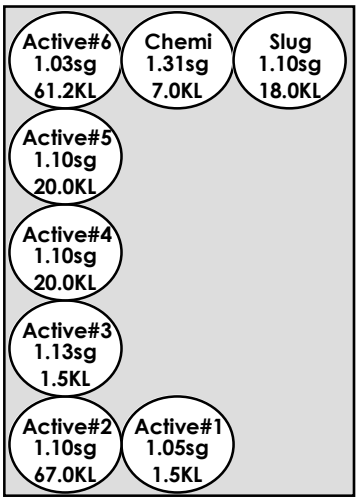
Mud Tank Total WT 672.1 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	77,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	0kg	
Bar/Surge #1	Barite	500kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 217.1 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		127,500	197,500	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300	75	1,675	1,625	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		5,100	220	3,480	1,620	
Tel-Polymer(L)	1,500	15,100	520	11,620	3,480	
Tel-Polymer(DX)		21,400	700	17,260	4,140	
XCD Polymer		1,400		400	1,000	
Xan-Vis		3,950	175	3,050	900	
NaCl(Bag)	20,000	152,000	6,000	119,000	33,000	
KCl(Bag)		112,000	4,000	98,000	14,000	
Clean Lube(L)		29,600		23,600	6,000	
Clean Lube		27,400	2,000	20,400	7,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		4,200	200	3,800	400	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 92.2 ton

Total Weight 981.3 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Engineer: A.Kobayashi, H.Ikeda

No. 65

Date: 12, July, 2009

TOTAL Depth(MSL): 3,657.7 m

Company: MQJ

Well Name: NanTro SEIZE Stage.2

BRT Depth: 3,686.0 m , SSL Depth: 1,603.7 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :	401	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :	125	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	68	Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	19	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	675	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :	10.625	Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties			
Time (Sampling : Suction)	7:00	22:00	
Depth (m)	PIT	PIT	
Mud Weight (SG/PPG)	1.10 9.2	1.10 9.2	
Funnel Viscosity(sec./qt.)	93	83	
A.V(cps) at / cent.		/ 46	
P.V(cps)		/ 30	
Y.V(lb/100ft^2)		/ 32	
10"Gel(lb/100ft^2)		/ 7	
10'Gel(lb/100ft^2)		/ 8	
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)		11.5	
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)		26.5	
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)		0.57	
k Value(600rpm/300rpm)		1.78	
LGS/Drill Solids(% Vol.)			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
7:00							
22:00	26.5	92	62				

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		127,500	
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH	225	1,900	74,250
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	420	3,900	651,000
Tel-Polymer(L)	1,680	13,300	2,604,000
Tel-Polymer(DX)	1,900	19,160	2,185,000
XCD Polymer		400	
Xan-Vis	375	3,425	937,500
NaCl(Bag)	18,000	137,000	720,000
KCl(Bag)	12,000	110,000	1,800,000
Clean Lube(L)		23,600	
Clean Lube	6,000	26,400	3,300,000
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD	400	4,200	256,000
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	

Well Summary

R/U SLB LOG.
Run #1 & 2 Schlumberger Logging.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10							
Btm1	165	165	165	165	165	165			OFF	OFF	OFF	OFF	
Btm2													

Dilution mud volume, Lost mud volume and ECD

Builed up new mud volume : 210kl
Added new mud to active :55.7kl(Avr 2.3kl/hr)
Today's lost mud volume : 40.7kl(Avr 1.7kl/hr)
Total lost mud volume : 471.4kl

Daily Cost	12,527,750
Total Cost	124,442,860

MATERIALS REPORT

NO. 65

Well Name NanTro SEIZE Stage.2

DATE 12. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			77,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			0kg	
Bar/Surge #1	Barite			500kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Barite 120,000k	Barite 77,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg
Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6

Bentonite 7,860kg	Barite 0kg	Barite 500kg	Barite 0kg	Bentonite 0kg
D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge

Total Bulk Tank W.T. 217,060kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				127,500		197,500	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			225	1,900	74,250	1,400	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		5,100			420	3,900	651,000	1,200	
Tel-Polymer(L)	1,550,000		15,100			1,680	13,300	2,604,000	1,800	
Tel-Polymer(DX)	1,150,000		21,400			1,900	19,160	2,185,000	2,240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		3,950			375	3,425	937,500	525	
NaCl(Bag)	40,000		152,000			18,000	137,000	720,000	15,000	
KCl(Bag)	150,000		112,000			12,000	110,000	1,800,000	2,000	
Clean Lube(L)	580,000		29,600				23,600		6,000	
Clean Lube	550,000		27,400			6,000	26,400	3,300,000	1,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		4,200			400	4,200	256,000	0	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 65

DATE 12, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty	1.05sg	1.5KL	1.5KL	1.5KL	
Active #2	KNPP	1.10sg	67.8KL	67.8KL	1.5KL	
Active #3	Empty	1.13sg	66.0KL	66.0KL	1.5KL	
Active #4	KNPP	1.10sg	28.0KL	28.0KL	1.5KL	
Active #5	KNPP	1.10sg	27.0KL	27.0KL	1.5KL	
Active #6	Seawater	1.03sg	612.0KL	61.2KL	1.5KL	
Chemical	Slug Mud	1.31sg	7.0KL	7.0KL	0.1KL	
Slug	Hi-Vis Mud	1.10sg	18.0KL	18.0KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	122.6KL	122.6KL	3.8KL	
Reserve #4	Empty	1.19sg	83.9KL	83.9KL	3.8KL	
Reserve #5	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #6	Empty	1.08sg	3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

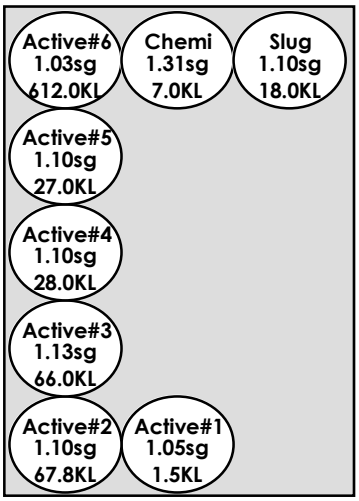
Mud Tank Total WT 1425.0 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	77,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	0kg	
Bar/Surge #1	Barite	500kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 217.1 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		127,500	197,500	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300	225	1,900	1,400	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		5,100	420	3,900	1,200	
Tel-Polymer(L)		15,100	1,680	13,300	1,800	
Tel-Polymer(DX)		21,400	1,900	19,160	2,240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		3,950	375	3,425	525	
NaCl(Bag)		152,000	18,000	137,000	15,000	
KCl(Bag)		112,000	12,000	110,000	2,000	
Clean Lube(L)		29,600		23,600	6,000	
Clean Lube		27,400	6,000	26,400	1,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		4,200	400	4,200	0	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 51.2 ton

Total Weight 1,693.2 ton

Made by : H.ikeda

Telnite

Drilling Mud Report(Off Shore)

Engineer: A.Kobayashi, H.Ikeda

No. 66

Date: 13, July, 2009

TOTAL Depth(MSL): 3,657.7 m

Company: MQJ

Well Name: NanTro SEIZE Stage.2

BRT Depth: 3,686.0 m , SSL Depth: 1,603.7 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :	401	Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	13
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :	125	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8.5	Bottom's Up :	137
Intermediate	in m	B/Hole Vol. (m^3) :	68	Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	150
Intermediate	in m	Disp Vol. (m^3) :	19	P/Speed No.1 (spm) :	80	A/Vel DP (ft/min) :	163	System Total :	183
Intermediate	in m	T/Circ Vol. (m^3) :	675	P/Speed No.2 (spm) :	80	A/Vel DC1(ft/min) :	251		
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	80	A/Vel Riser(ft/min) :		P/ Press(Mpa) :	15.4
		Bit Size (inch) :	10.625	Rate (gal/min) :	1,196				

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties			
Time (Sampling : Suction)	7:00	15:00	
Depth (m)	PIT	PIT	
Mud Weight (SG/PPG)	1.10 9.2	1.10 9.2	
Funnel Viscosity(sec./qt.)	76	79	
A.V(cps) at / cent.	44.5	/	
P.V(cps)	27	/	
Y.V(lb/100ft^2)	35	/	
10"Gel(lb/100ft^2)	7	/	
10'Gel(lb/100ft^2)	8	/	
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)	11.5		
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)	28		
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)	0.52		
k Value(600rpm/300rpm)	2.40		
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		127,500	
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH		1,900	
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	60	3,960	93,000
Tel-Polymer(L)		13,300	
Tel-Polymer(DX)		19,160	
XCD Polymer		400	
Xan-Vis		3,425	
NaCl(Bag)		137,000	
KCl(Bag)		110,000	
Clean Lube(L)		23,600	
Clean Lube		26,400	
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		4,200	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
7:00		89	62	49	33	7	6
15:00							

Well Summary

Rig down SLB tool string#2. RIH with 12-1/4"bit. Wash down from 3646m to 3652m.
Sweep out with 20kl of Hi-vis mud.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	165	165	165	165	165	165			OFF	OFF	OFF	OFF	
Btm2													

Dilution mud volume, Lost mud volume and ECD

Builed up new mud volume : 0kl
Added new mud to active :38.9kl(Avr 1.6kl/hr)
Today's lost mud volume : 43.9kl(Avr 1.8kl/hr)
Total lost mud volume : 515.3kl

Daily Cost	93,000
Total Cost	124,535,860

MATERIALS REPORT

NO. 66

Well Name NanTro SEIZE Stage.2

DATE 13. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			77,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			0kg	
Bar/Surge #1	Barite			500kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Barite 120,000k	Barite 77,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg
Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6

Bentonite 7,860kg	Barite 0kg	Barite 500kg	Barite 0kg	Bentonite 0kg
D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge

Total Bulk Tank W.T. 217,060kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				127,500		197,500	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				1,900		1,400	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		5,100			60	3,960	93,000	1,140	
Tel-Polymer(L)	1,550,000		15,100				13,300		1,800	
Tel-Polymer(DX)	1,150,000		21,400				19,160		2,240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		3,950				3,425		525	
NaCl(Bag)	40,000	12,000	164,000				137,000		27,000	
KCl(Bag)	150,000	12,000	124,000				110,000		14,000	
Clean Lube(L)	580,000		29,600				23,600		6,000	
Clean Lube	550,000	3,200	30,600				26,400		4,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000	800	5,000				4,200		800	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 66

DATE 13, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty	1.05sg	1.5KL	1.5KL	1.5KL	
Active #2	KNPP	1.10sg	49.0KL	49.0KL	1.5KL	
Active #3	KNPP	1.10sg	69.0KL	69.0KL	1.5KL	
Active #4	KNPP	1.10sg	26.0KL	26.0KL	1.5KL	
Active #5	KNPP	1.10sg	24.0KL	24.0KL	1.5KL	
Active #6	Seawater	1.03sg	61.0KL	61.0KL	1.5KL	
Chemical	Slug Mud	1.31sg	7.0KL	7.0KL	0.1KL	
Slug	Hi-Vis Mud	1.10sg	7.0KL	7.0KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	181.2KL	181.2KL	3.8KL	
Reserve #2	Kill mud	1.30sg	60.3KL	60.3KL	3.8KL	
Reserve #3	KNPP	1.08sg	122.6KL	122.6KL	3.8KL	
Reserve #4	KNPP	1.10sg	83.9KL	83.9KL	3.8KL	
Reserve #5	Empty		3.8KL	3.8KL	3.8KL	
Reserve #6	Empty		3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

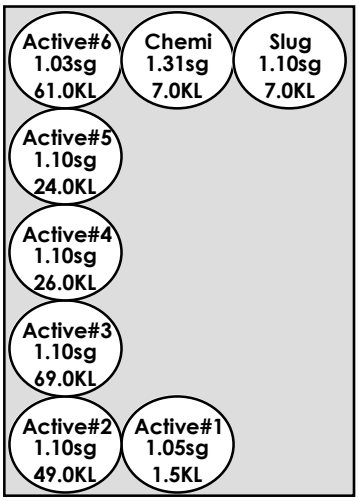
Mud Tank Total WT 804.7 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	77,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	0kg	
Bar/Surge #1	Barite	500kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 217.1 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		127,500	197,500	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300		1,900	1,400	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		5,100	60	3,960	1,140	
Tel-Polymer(L)		15,100		13,300	1,800	
Tel-Polymer(DX)		21,400		19,160	2,240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		3,950		3,425	525	
NaCl(Bag)	12,000	164,000		137,000	27,000	
KCl(Bag)	12,000	124,000		110,000	14,000	
Clean Lube(L)		29,600		23,600	6,000	
Clean Lube	3,200	30,600		26,400	4,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD	800	5,000		4,200	800	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 79.1 ton

Total Weight 1,100.9 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Engineer: A.Kobayashi, H.Ikeda

No. 67 | Date: 14, July, 2009 | TOTAL Depth(MSL): 3,657.7 m

Company: MQJ | Well Name: NanTro SEIZE Stage.2 | BRT Depth: 3,686.0 m , SSL Depth: 1,603.7 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) : 125		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) : 68		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) : 19		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 675		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) : 100		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) : 10.625		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties						
Time (Sampling : Suction)	0:15		17:00			
Depth (m)	3643		PIT			
Mud Weight (SG/PPG)	1.10	9.2	1.10	9.2		
Funnel Viscosity(sec./qt.)	107		90			
A.V(cps) at / cent.	61		/			
P.V(cps)	38		/			
Y.V(lb/100ft^2)	46		/			
10"Gel(lb/100ft^2)	7		/			
10'Gel(lb/100ft^2)	9		/			
API Filtrate(cc/30min.)	4.2					
Cake Thickness(mm)	0.5					
pH(-)	10.7					
Pf(cc)	0.2					
Pm(cc)	0.3					
Mf(cc)	0.3					
Cl^-(mg/l)	77,000					
Sand Content(%)	0.15					
Oil Content(% Vol.)	0					
Solid Content(% Vol.)	6					
M.B.C.(cc/cc.mud)	0.50					
Temperature(in/out cent.)	15	13				
HT-HP Filtrate(cc)						
HT-HP Filtrate Cake(mm)						
K^+(mg/l)	28,000					
Ca^{++}/Mg^{++}(mg/l)	80	73				
n Value(600rpm/300rpm)	0.54					
k Value(600rpm/300rpm)	2.93					
LGS/Drill Solids(% Vol.)						

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)	11,860	139,360	486,260
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH	75	1,975	24,750
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	200	4,160	310,000
Tel-Polymer(L)	640	13,940	992,000
Tel-Polymer(DX)	500	19,660	575,000
XCD Polymer		400	
Xan-Vis	125	3,550	312,500
NaCl(Bag)	6,000	143,000	240,000
KCl(Bag)	4,000	114,000	600,000
Clean Lube(L)		23,600	
Clean Lube	2,000	28,400	1,100,000
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD	200	4,400	128,000
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
0:15		122	84	66	46	10	8
17:00							

Well Summary

POOH. R/U SLB LOG. Run #3 Schlumberger Logging.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	165	165	165	165	165	165			OFF	OFF	OFF	OFF	
Btm2													

Dilution mud volume, Lost mud volume and ECD

Builed up new mud volume : 70kl
Added new mud to active :24.1kl(Avr 1..0kl/hr)
Today's lost mud volume : 48.4kl(Avr 2.0kl/hr)
Total lost mud volume : 563.7kl

Daily Cost	4,768,510
Total Cost	129,304,370

MATERIALS REPORT

NO. 67

Well Name NanTro SEIZE Stage.2

DATE 14. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite		30,500kg	46,500kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite	30,500kg	17,360t	13,140kg	
Bar/Surge #1	Barite	17,360kg	11,860t	6,000kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 46,500kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 13,140kg	Barite 6,000kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 205,200kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000			11,860	139,360	486,260	185,640	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			75	1,975	24,750	1,325	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		5,100			200	4,160	310,000	940	
Tel-Polymer(L)	1,550,000		15,100			640	13,940	992,000	1,160	
Tel-Polymer(DX)	1,150,000		21,400			500	19,660	575,000	1,740	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		3,950			125	3,550	312,500	400	
NaCl(Bag)	40,000		164,000			6,000	143,000	240,000	21,000	
KCl(Bag)	150,000		124,000			4,000	114,000	600,000	10,000	
Clean Lube(L)	580,000		29,600				23,600		6,000	
Clean Lube	550,000		30,600			2,000	28,400	1,100,000	2,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,000			200	4,400	128,000	600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 67

DATE 14, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	8.6KL	8.6KL	1.5KL	
Active #2	KNPP	1.10sg	20.0KL	20.0KL	1.5KL	
Active #3	KNPP	1.10sg	69.0KL	69.0KL	1.5KL	
Active #4	KNPP	1.10sg	18.7KL	18.7KL	1.5KL	
Active #5	KNPP	1.10sg	17.0KL	17.0KL	1.5KL	
Active #6	Seawater	1.03sg	61.0KL	61.0KL	1.5KL	
Chemical	Slug Mud	1.31sg	12.0KL	12.0KL	0.1KL	
Slug	Hi-Vis Mud	1.10sg	7.0KL	7.0KL	0.1KL	

Chemical Tank

Unit(kg)

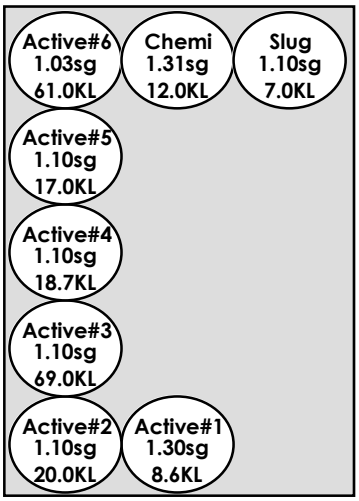
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	46,500kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	13,140kg	
Bar/Surge #1	Barite	6,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 205.2 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Kill mud	1.30sg	61.0KL	61.0KL	3.8KL	
Reserve #3	KNPP	1.08sg	122.6KL	122.6KL	3.8KL	
Reserve #4	KNPP	1.10sg	83.9KL	83.9KL	3.8KL	
Reserve #5	KNPP	1.10sg	72.0KL	72.0KL	3.8KL	
Reserve #6	Empty		3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 828.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000	11,860	139,360	185,640	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300	75	1,975	1,325	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		5,100	200	4,160	940	
Tel-Polymer(L)		15,100	640	13,940	1,160	
Tel-Polymer(DX)		21,400	500	19,660	1,740	
XCD Polymer		1,400		400	1,000	
Xan-Vis		3,950	125	3,550	400	
NaCl(Bag)		164,000	6,000	143,000	21,000	
KCl(Bag)		124,000	4,000	114,000	10,000	
Clean Lube(L)		29,600		23,600	6,000	
Clean Lube		30,600	2,000	28,400	2,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,000	200	4,400	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 65.4 ton

Total Weight 1,099.0 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Engineer: I. Torimoto / H.Ikeda

No. 68 | Date: 15, July, 2009 | TOTAL Depth(MSL): 3,657.7 m

Company: MQJ | Well Name: NanTro SEIZE Stage.2 | BRT Depth: 3,686.0 m , SSL Depth: 1,603.7 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) : 125		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) : 132		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) : 20		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 738		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) : 100		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) : 10.625		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties						
Time (Sampling : Suction)	15:00					
Depth (m)	PIT					
Mud Weight (SG/PPG)	1.10	9.2				
Funnel Viscosity(sec./qt.)	105					
A.V(cps) at / cent.	60.5	/				
P.V(cps)	36	/				
Y.V(lb/100ft^2)	49	/				
10"Gel(lb/100ft^2)	7	/				
10'Gel(lb/100ft^2)	8	/				
API Filtrate(cc/30min.)	4.2					
Cake Thickness(mm)	0.5					
pH(-)	10.8					
Pf(cc)	0.2					
Pm(cc)	0.3					
Mf(cc)	0.3					
Cl^-(mg/l)	77,000					
Sand Content(%)	0.10					
Oil Content(% Vol.)	0					
Solid Content(% Vol.)	6					
M.B.C.(cc/cc.mud)	0.50					
Temperature(in/out cent.)	15					
HT-HP Filtrate(cc)						
HT-HP Filtrate Cake(mm)						
K^+(mg/l)	28,000					
Ca^{++}/Mg^{++}(mg/l)	80	73				
n Value(600rpm/300rpm)	0.51					
k Value(600rpm/300rpm)	3.55					
LGS/Drill Solids(% Vol.)						

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		139,360	
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH	75	2,050	24,750
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	200	4,360	310,000
Tel-Polymer(L)	640	14,580	992,000
Tel-Polymer(DX)	500	20,160	575,000
XCD Polymer		400	
Xan-Vis	125	3,675	312,500
NaCl(Bag)	6,000	149,000	240,000
KCl(Bag)	4,000	118,000	600,000
Clean Lube(L)		23,600	
Clean Lube	2,000	30,400	1,100,000
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD	200	4,600	128,000
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
15:00		121	85	64	41	10	7

Well Summary

POOH. R/U SLB LOG. Run #3 Schlumberger Logging. Rig down SLB tool string#3.
Pick up and make up surface plug launcher. Make up stand for cementing and rack back same. Make up 17"HO BHA.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			OFF	OFF	OFF	OFF	
Btm2	84	84	84	84	84	84							

Dilution mud volume, Lost mud volume and ECD

Builed up new mud volume : 70kl
Added new mud to active :44.0kl(Avr 1.8kl/hr)
Today's lost mud volume : 44.0kl(Avr 1.8kl/hr)
Total lost mud volume : 607.7kl

Daily Cost	4,282,250
Total Cost	133,586,620

MATERIALS REPORT

NO. 68

Well Name NanTro SEIZE Stage.2

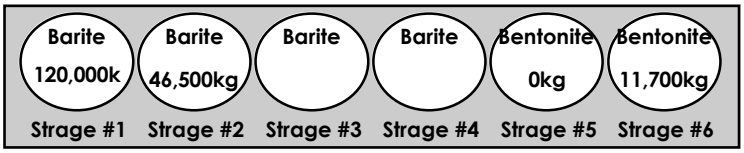
DATE 15. Jul. 09

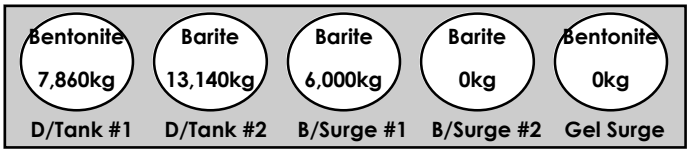
TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			46,500kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			13,140kg	
Bar/Surge #1	Barite			6,000kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	





Total Bulk Tank W.T. 205,200kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				139,360		185,640	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			75	2,050	24,750	1,250	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		5,100			200	4,360	310,000	740	
Tel-Polymer(L)	1,550,000		15,100			640	14,580	992,000	520	
Tel-Polymer(DX)	1,150,000		21,400			500	20,160	575,000	1,240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		3,950			125	3,675	312,500	275	
NaCl(Bag)	40,000		164,000			6,000	149,000	240,000	15,000	
KCl(Bag)	150,000		124,000			4,000	118,000	600,000	6,000	
Clean Lube(L)	580,000		29,600				23,600		6,000	
Clean Lube	550,000		30,600			2,000	30,400	1,100,000	200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,000			200	4,600	128,000	400	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 68

DATE 15, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	3.9KL	3.9KL	1.5KL	
Active #2	KNPP	1.10sg	5.5KL	5.5KL	1.5KL	
Active #3	KNPP	1.10sg	69.0KL	69.0KL	1.5KL	
Active #4	KNPP	1.10sg	23.8KL	23.8KL	1.5KL	
Active #5	KNPP	1.10sg	23.2KL	23.2KL	1.5KL	
Active #6	Seawater	1.03sg	61.0KL	61.0KL	1.5KL	
Chemical	Slug Mud	1.31sg	12.0KL	12.0KL	0.1KL	
Slug	Hi-Vis Mud	1.10sg	7.0KL	7.0KL	0.1KL	

Chemical Tank

Unit(kg)

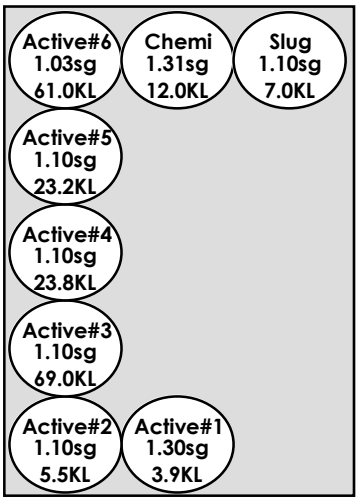
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	46,500kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	13,140kg	
Bar/Surge #1	Barite	6,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 205.2 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Kill mud	1.30sg	61.0KL	61.0KL	3.8KL	
Reserve #3	KNPP	1.08sg	122.6KL	122.6KL	3.8KL	
Reserve #4	KNPP	1.10sg	50.7KL	50.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	141.6KL	141.6KL	3.8KL	
Reserve #6	Empty		3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 858.8 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		139,360	185,640	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300	75	2,050	1,250	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		5,100	200	4,360	740	
Tel-Polymer(L)		15,100	640	14,580	520	
Tel-Polymer(DX)		21,400	500	20,160	1,240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		3,950	125	3,675	275	
NaCl(Bag)		164,000	6,000	149,000	15,000	
KCl(Bag)		124,000	4,000	118,000	6,000	
Clean Lube(L)		29,600		23,600	6,000	
Clean Lube		30,600	2,000	30,400	200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,000	200	4,600	400	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 51.6 ton

Total Weight 1,115.6 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Telnite

No. 69	Date 16, July, 2009	Engineer	I. Torimoto / H.Ikeda
Company MQJ	Well Name NanTro SEIZE Stage.2	TOTAL Depth(MSL)	2,991.7 m
		BRT Depth: 3,020.0 m , SSL Depth:	937.7 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit : 9
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) : 125		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up : 121
Intermediate	in m	B/Hole Vol. (m^3) : 34		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf : 130
Intermediate	in m	Disp Vol. (m^3) : 17		P/Speed No.1 (spm) : 95	A/Vel DP (ft/min) : 90	System Total : 158
Intermediate	in m	T/Circ Vol. (m^3) : 643		P/Speed No.2 (spm) : 95	A/Vel DC1(ft/min) : 106	P/ Press(Mpa) : 17.1
Production	in m	Pit Vol. (m^3) : 100		P/Speed No.3 (spm) : 50	A/Vel Riser(ft/min) :	
		Bit Size (inch) : 10.625		Rate (gal/min) : 1,196		

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties		
Time (Sampling : Suction)	8:00	14:30	21:00
Depth (m)	2848	2926	2975
Mud Weight (SG/PPG)	1.10 / 9.2	1.10 / 9.2	1.10 / 9.2
Funnel Viscosity(sec./qt.)	103	114	115
A.V(cps) at / cent.	58.5	/59.5	59
P.V(cps)	35	/ 35	34
Y.V(lb/100ft^2)	47	/ 49	50
10"Gel(lb/100ft^2)	7	/ 8	9
10'Gel(lb/100ft^2)	9	/ 10	9
API Filtrate(cc/30min.)	4.1	4.2	4.1
Cake Thickness(mm)	0.5	0.5	0.5
pH(-)	10.9	11.2	11.1
Pf(cc)	0.2	0.2	0.2
Pm(cc)	0.3	0.3	0.3
Mf(cc)	0.3	0.3	0.3
Cl^-(mg/l)	75,300	73,500	73,500
Sand Content(%)	0.20	0.25	0.20
Oil Content(% Vol.)	0	0	0
Solid Content(% Vol.)	6	6	6
M.B.C.(cc/cc.mud)	0.50	0.50	0.50
Temperature(in/out cent.)	14 / 11	13 / 9	13 / 11
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)	27,500	25,300	25,800
Ca^{++}/Mg^{++}(mg/l)	80 / 122	80 / 73	80 / 73
n Value(600rpm/300rpm)	0.51	0.50	0.49
k Value(600rpm/300rpm)	3.35	3.66	3.95
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		139,360	
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH	75	2,125	24,750
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	400	4,760	620,000
Tel-Polymer(L)	640	15,220	992,000
Tel-Polymer(DX)	500	20,660	575,000
XCD Polymer		400	
Xan-Vis	250	3,925	625,000
NaCl(Bag)	7,000	156,000	280,000
KCl(Bag)	4,000	122,000	600,000
Clean Lube(L)	1,000	24,600	580,000
Clean Lube	1,000	31,400	550,000
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD	200	4,800	128,000
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
8:00		117	82	64	43	10	7
14:30	13	119	84	68	47	11	8
21:00		118	84	66	45	10	9

Well Summary

RIH 17" BHA. Open up 17"hole F/2,800m T/2,964m. Sweep with 10m3 of Hi-vis.
Drilling on.

Dilution mud volume, Lost mud volume and ECD

Builed up new mud volume : 70kl, Builed up Hi-vis mud volume : 50kl,
Added new mud to active :77.7kl(Avr 3.2kl/hr)
Today's lost mud volume : 72.8kl(Avr 3.0kl/hr)
Total lost mud volume : 680.5kl
Equivalent circulation density (PP190spm) : 1.107sg(@shoe), 1.11sg(@3,030mBRT)

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			ON	ON	ON	ON	ON
Btm2	84	84	84	84	84	84							

Daily Cost	4,974,750
Total Cost	138,561,370

MATERIALS REPORT

NO. 69

Well Name NanTro SEIZE Stage.2

DATE 16. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			46,500kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			13,140kg	
Bar/Surge #1	Barite			6,000kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Barite 120,000k	Barite 46,500kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg
Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6

Bentonite 7,860kg	Barite 13,140kg	Barite 6,000kg	Barite 0kg	Bentonite 0kg
D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge

Total Bulk Tank W.T. 205,200kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				139,360		185,640	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			75	2,125	24,750	1,175	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000	1,000	6,100			400	4,760	620,000	1,340	
Tel-Polymer(L)	1,550,000	1,120	16,220			640	15,220	992,000	1,000	
Tel-Polymer(DX)	1,150,000		21,400			500	20,660	575,000	740	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000	1,000	4,950			250	3,925	625,000	1,025	
NaCl(Bag)	40,000	12,000	176,000			7,000	156,000	280,000	20,000	
KCl(Bag)	150,000	12,000	136,000			4,000	122,000	600,000	14,000	
Clean Lube(L)	580,000		29,600			1,000	24,600	580,000	5,000	
Clean Lube	550,000	8,000	38,600			1,000	31,400	550,000	7,200	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000	800	5,800			200	4,800	128,000	1,000	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 69

DATE 16, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Hi-vis	1.10sg	37.0KL	37.0KL	1.5KL	
Active #2	KNPP	1.10sg	58.0KL	58.0KL	1.5KL	
Active #3	KNPP	1.10sg	3.0KL	3.0KL	1.5KL	
Active #4	KNPP	1.10sg	24.0KL	24.0KL	1.5KL	
Active #5	KNPP	1.10sg	23.0KL	23.0KL	1.5KL	
Active #6	Seawater	1.03sg	61.0KL	61.0KL	1.5KL	
Chemical	Slug Mud	1.31sg	12.0KL	12.0KL	0.1KL	
Slug	Hi-Vis Mud	1.10sg	6.0KL	6.0KL	0.1KL	

Chemical Tank

Unit(kg)

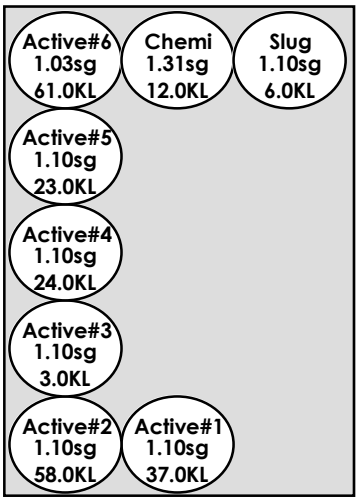
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	46,500kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	13,140kg	
Bar/Surge #1	Barite	6,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 205.2 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Kill mud	1.30sg	61.0KL	61.0KL	3.8KL	
Reserve #3	KNPP	1.08sg	86.7KL	86.7KL	3.8KL	
Reserve #4	KNPP	1.10sg	50.7KL	50.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	104.0KL	104.0KL	3.8KL	
Reserve #6	Empty		3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 798.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		139,360	185,640	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300	75	2,125	1,175	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)	1,000	6,100	400	4,760	1,340	
Tel-Polymer(L)	1,120	16,220	640	15,220	1,000	
Tel-Polymer(DX)		21,400	500	20,660	740	
XCD Polymer		1,400		400	1,000	
Xan-Vis	1,000	4,950	250	3,925	1,025	
NaCl(Bag)	12,000	176,000	7,000	156,000	20,000	
KCl(Bag)	12,000	136,000	4,000	122,000	14,000	
Clean Lube(L)		29,600	1,000	24,600	5,000	
Clean Lube	8,000	38,600	1,000	31,400	7,200	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD	800	5,800	200	4,800	1,000	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 72.5 ton

Total Weight 1,076.0 ton

Made by : H.ikeda

Drilling Mud Report(Off Shore)

Telnite

No. 70

Company MQJ

Date 17, July, 2009

Well Name NanTro SEIZE Stage.2

Engineer I. Torimoto / Maruyama

TOTAL Depth(MSL) 3,174.7 m

BRT Depth: 3,203.0 m , SSL Depth: 1,120.7 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :	401	Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	9
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :	125	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8.5	Bottom's Up :	121
Intermediate	in m	B/Hole Vol. (m^3) :	61	Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	130
Intermediate	in m	Disp Vol. (m^3) :	18	P/Speed No.1 (spm) :	99	A/Vel DP (ft/min) :	94	System Total :	157
Intermediate	in m	T/Circ Vol. (m^3) :	669	P/Speed No.2 (spm) :	99	A/Vel DC1(ft/min) :	111	P/ Press(Mpa) :	17.1
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	59	A/Vel Riser(ft/min) :			
		Bit Size (inch) :	10.625	Rate (gal/min) :	1,281				

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties		
Time (Sampling : Suction)	3:30	9:30	23:00
Depth (m)	3070	2775	3197
Mud Weight (SG/PPG)	1.10 | 9.2	1.10 | 9.2	1.10 | 9.2
Funnel Viscosity(sec./qt.)	106	106	105
A.V(cps) at / cent.	57.5	/57.5	56.5
P.V(cps)	36	/ 34	36
Y.V(lb/100ft^2)	43	/ 47	41
10"Gel(lb/100ft^2)	7	/ 8	8
10'Gel(lb/100ft^2)	9	/ 8	8
API Filtrate(cc/30min.)	4.0	4.1	4.0
Cake Thickness(mm)	0.5	0.5	0.5
pH(-)	11.0	11.1	11.0
Pf(cc)	0.2	0.2	0.2
Pm(cc)	0.3	0.2	0.2
Mf(cc)	0.3	0.3	0.3
Cl^-(mg/l)	74,600	73,500	73,800
Sand Content(%)	0.20	0.20	0.20
Oil Content(% Vol.)	0	0	0
Solid Content(% Vol.)	6	6	6
M.B.C.(cc/cc.mud)	0.50	0.50	0.50
Temperature(in/out cent.)	14 | 11	13 | 10	13 | 11
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)	25,800	25,800	25,200
Ca^{++}/Mg^{++}(mg/l)	80 | 73	80 | 73	80 | 73
n Value(600rpm/300rpm)	0.54	0.51	0.55
k Value(600rpm/300rpm)	2.70	3.46	2.44
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		139,360	
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH	75	2,200	24,750
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	200	4,960	310,000
Tel-Polymer(L)	640	15,860	992,000
Tel-Polymer(DX)	500	21,160	575,000
XCD Polymer		400	
Xan-Vis	125	4,050	312,500
NaCl(Bag)	6,000	162,000	240,000
KCl(Bag)	4,000	126,000	600,000
Clean Lube(L)		24,600	
Clean Lube	2,000	33,400	1,100,000
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD	200	5,000	128,000
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
3:30		115	79	63	42	10	7
9:30	13	115	81	66	43	9	8
23:00		113	77	61	41	10	7

Well Summary

Open hole to 17" f/3,020 t/3,078m. Unable to brake off HPS. Circ and BTM's up. POOH to shoe and troubleshoot on HPS. RIH 17" hole opening ass'y to 3,078m. Resume open hole to 17".

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			ON	ON	ON	ON	ON
Btm2	84	84	84	84	84	84							

Dilution mud volume, Lost mud volume and ECD

Buiked up new mud volume : 70m3
Added new mud to active :103.7m3(Avr 4.3m3/hr)
Today's lost mud volume : 64m3 (Avr 2.6m3/hr)
Total lost mud volume : 744.5m3
Equivalent circulation density (PP190spm) : 1.1066sg(@shoe), 1.1071sg(@3,200mBRT)

Daily Cost	4,282,250
Total Cost	142,843,620

MATERIALS REPORT

NO. 70

Well Name NanTro SEIZE Stage.2

DATE 17. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			46,500kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			13,140kg	
Bar/Surge #1	Barite			6,000kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 46,500kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 13,140kg	Barite 6,000kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 205,200kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				139,360		185,640	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			75	2,200	24,750	1,100	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100			200	4,960	310,000	1,140	
Tel-Polymer(L)	1,550,000		16,220			640	15,860	992,000	360	
Tel-Polymer(DX)	1,150,000		21,400			500	21,160	575,000	240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950			125	4,050	312,500	900	
NaCl(Bag)	40,000		176,000			6,000	162,000	240,000	14,000	
KCl(Bag)	150,000		136,000			4,000	126,000	600,000	10,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000	4,800	43,400			2,000	33,400	1,100,000	10,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800			200	5,000	128,000	800	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 70

DATE 17, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Hi-vis	1.10sg	40.8KL	40.8KL	1.5KL	
Active #2	KNPP	1.10sg	8.2KL	8.2KL	1.5KL	
Active #3	KNPP	1.10sg	71.8KL	71.8KL	1.5KL	new
Active #4	KNPP	1.10sg	26.6KL	26.6KL	1.5KL	
Active #5	KNPP	1.10sg	22.6KL	22.6KL	1.5KL	
Active #6	Seawater	1.03sg	59.6KL	59.6KL	1.5KL	
Chemical	Slug Mud	1.31sg	12.0KL	12.0KL	0.1KL	
Slug	Hi-Vis Mud	1.10sg	1.7KL	1.7KL	0.1KL	

Chemical Tank

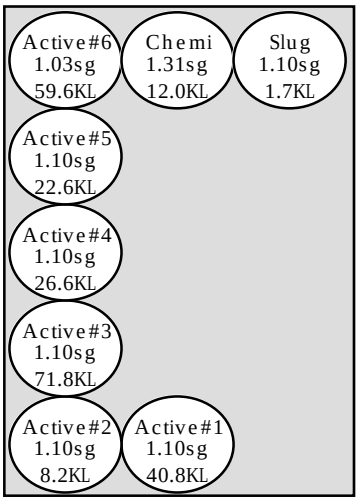
Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	46,500kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	13,140kg	
Bar/Surge #1	Barite	6,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 205.2 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Kill mud	1.30sg	61.0KL	61.0KL	3.8KL	
Reserve #3	KNPP	1.08sg	86.7KL	86.7KL	3.8KL	
Reserve #4	KNPP	1.10sg	3.8KL	3.8KL	3.8KL	
Reserve #5	KNPP	1.10sg	104.0KL	104.0KL	3.8KL	
Reserve #6	Empty		3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						



Mud Tank Total WT 768.1 ton

Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		139,360	185,640	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300	75	2,200	1,100	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100	200	4,960	1,140	
Tel-Polymer(L)		16,220	640	15,860	360	
Tel-Polymer(DX)		21,400	500	21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950	125	4,050	900	
NaCl(Bag)		176,000	6,000	162,000	14,000	
KCl(Bag)		136,000	4,000	126,000	10,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube	4,800	43,400	2,000	33,400	10,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800	200	5,000	800	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 63.5 ton

Total Weight 1,036.8 ton

Made by : Maruyama

Drilling Mud Report(Off Shore)

Telnite

Engineer: I. Torimoto, H. Maruyama

No. 71

Date: 18, July, 2009

TOTAL Depth(MSL): 3,432.7 m

Company: MQJ

Well Name: NanTro SEIZE Stage.2

BRT Depth: 3,461.0 m , SSL Depth: 1,378.7 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	36 in 2,136.8 m	Riser Vol. (m^3):	401	Pump No.1 (l/st):	19.45	DP Size (in):	5.5	Suface to Bit :	10
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3):	125	Pump No.2 (l/st):	19.45	DC1 Size (in):	8.5	Bottom's Up :	127
Intermediate	in m	B/Hole Vol. (m^3):	99	Pump No.3 (l/st):	19.45	DC2 Size (in):		Surf to Surf :	137
Intermediate	in m	Disp Vol. (m^3):	19	P/Speed No.1 (spm):	100	A/Vel DP (ft/min):	94	System Total :	163
Intermediate	in m	T/Circ Vol. (m^3):	706	P/Speed No.2 (spm):	100	A/Vel DC1(ft/min):	112	P/ Press(Mpa) :	20
Production	in m	Pit Vol. (m^3):	100	P/Speed No.3 (spm):	64	A/Vel Riser(ft/min):			
		Bit Size (inch):	10.625	Rate (gal/min):	1,316				

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties			
Time (Sampling : Suction)	9:30	16:00	21:00
Depth (m)	3275	3344	3417
Mud Weight (SG/PPG)	1.10 | 9.2	1.10 | 9.2	1.10 | 9.2
Funnel Viscosity(sec./qt.)	106	112	107
A.V(cps) at / cent.	58	/58.5	57
P.V(cps)	35	/ 37	34
Y.V(lb/100ft^2)	46	/ 43	46
10"Gel(lb/100ft^2)	8	/ 8	8
10'Gel(lb/100ft^2)	8	/ 8	8
API Filtrate(cc/30min.)	4.1	4.2	4.1
Cake Thickness(mm)	0.5	0.5	0.5
pH(-)	11.1	11.1	11.0
Pf(cc)	0.2	0.2	0.2
Pm(cc)	0.4	0.3	0.3
Mf(cc)	0.5	0.3	0.4
Cl^-(mg/l)	74,600	73,500	73,500
Sand Content(%)	0.20	0.20	0.20
Oil Content(% Vol.)	0	0	0
Solid Content(% Vol.)	6	6	6
M.B.C.(cc/cc.mud)	0.50	0.50	0.50
Temperature(in/out cent.)	15 | 11	15 | 11	14 | 10
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)	25,200	24,700	24,700
Ca^{++}/Mg^{++}(mg/l)	80 | 122	80 | 73	
n Value(600rpm/300rpm)	0.52	0.55	0.51
k Value(600rpm/300rpm)	3.20	2.62	3.31
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		139,360	
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH	75	2,275	24,750
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	260	5,220	403,000
Tel-Polymer(L)	960	16,820	1,488,000
Tel-Polymer(DX)		21,160	
XCD Polymer		400	
Xan-Vis	150	4,200	375,000
NaCl(Bag)	6,000	168,000	240,000
KCl(Bag)	4,000	130,000	600,000
Clean Lube(L)		24,600	
Clean Lube	2,000	35,400	1,100,000
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD	200	5,200	128,000
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
9:30		116	81	65	45	11	8
16:00	15	117	80	63	47	10	8
21:00		114	80	61	42	9	8

Well Summary

Continue open hole to 17" f/3,203 t/3,461m.

Troubleshoot on depth sensor.
Check mech. and elec. condition of pipe handler. Troubleshoot on pipe handler, no success.

Dilution mud volume, Lost mud volume and ECD

Buiked up new mud volume : 70m3
Added new mud to active :112.6m3(Avr 4.7m3/hr)
Today's lost mud volume : 63m3 (Avr 2.6m3/hr)
Total lost mud volume : 807.5m3
Equivalent circulation density (PP190spm) : 1.1067sg(@shoe), 1.1074sg(@3,429mBRT)

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			ON	ON	ON	ON	ON
Btm2	84	84	84	84	84	84							

Daily Cost	4,358,750
Total Cost	147,202,370

MATERIALS REPORT

NO. 71

Well Name NanTro SEIZE Stage.2

DATE 18. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			46,500kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			13,140kg	
Bar/Surge #1	Barite			6,000kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 46,500kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 13,140kg	Barite 6,000kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 205,200kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				139,360		185,640	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300			75	2,275	24,750	1,025	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100			260	5,220	403,000	880	
Tel-Polymer(L)	1,550,000	1,760	17,980			960	16,820	1,488,000	1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950			150	4,200	375,000	750	
NaCl(Bag)	40,000	12,000	188,000			6,000	168,000	240,000	20,000	
KCl(Bag)	150,000	8,000	144,000			4,000	130,000	600,000	14,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400			2,000	35,400	1,100,000	8,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800			200	5,200	128,000	600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 71

DATE 18, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Hi-vis	1.10sg	34.0KL	34.0KL	1.5KL	
Active #2	KNPP	1.10sg	68.5KL	68.5KL	1.5KL	Still mix
Active #3	KNPP	1.10sg	51.2KL	51.2KL	1.5KL	
Active #4	KNPP	1.10sg	30.9KL	30.9KL	1.5KL	
Active #5	KNPP	1.10sg	26.3KL	26.3KL	1.5KL	
Active #6	Seawater	1.03sg	59.6KL	59.6KL	1.5KL	
Chemical	Slug Mud	1.31sg	12.0KL	12.0KL	0.1KL	
Slug	Empty		1.7KL	1.7KL	0.1KL	

Chemical Tank

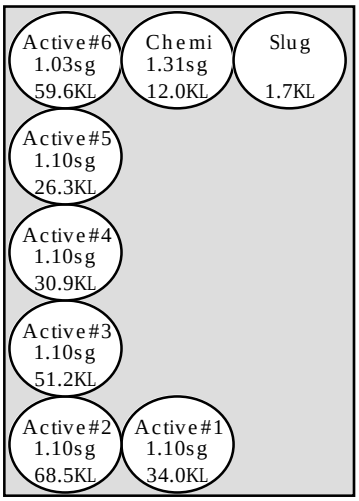
Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	46,500kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	13,140kg	
Bar/Surge #1	Barite	6,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 205.2 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Kill mud	1.30sg	61.0KL	61.0KL	3.8KL	
Reserve #3	KNPP	1.08sg	66.9KL	66.9KL	3.8KL	
Reserve #4	Empty		3.8KL	3.8KL	3.8KL	
Reserve #5	KNPP	1.10sg	43.3KL	43.3KL	3.8KL	
Reserve #6	Empty		3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						



Mud Tank Total WT 718.9 ton

Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		139,360	185,640	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300	75	2,275	1,025	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100	260	5,220	880	
Tel-Polymer(L)	1,760	17,980	960	16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950	150	4,200	750	
NaCl(Bag)	12,000	188,000	6,000	168,000	20,000	
KCl(Bag)	8,000	144,000	4,000	130,000	14,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400	2,000	35,400	8,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800	200	5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 71.6 ton

Total Weight 995.7 ton

Made by : H. Maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer: I. Torimoto / H. Maruyama

No. 72

Date: 19, July, 2009

TOTAL Depth(MSL): 3,622.7 m

Company: MQJ

Well Name: NanTro SEIZE Stage.2

BRT Depth: 3,651.0 m , SSL Depth: 1,568.7 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :	401	Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	10
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :	125	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8.5	Bottom's Up :	135
Intermediate	in m	B/Hole Vol. (m^3) :	127	Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	145
Intermediate	in m	Disp Vol. (m^3) :	20	P/Speed No.1 (spm) :	100	A/Vel DP (ft/min) :	94	System Total :	172
Intermediate	in m	T/Circ Vol. (m^3) :	733	P/Speed No.2 (spm) :	100	A/Vel DC1(ft/min) :	112	P/ Press(Mpa) :	20
Production	in m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	60	A/Vel Riser(ft/min) :			
		Bit Size (inch) :	10.625	Rate (gal/min) :	1,296				

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties		
Time (Sampling : Suction)	7:20	14:30	20:45
Depth (m)	3574	3651	3380
Mud Weight (SG/PPG)	1.10 | 9.2	1.10 | 9.2	1.10 | 9.2
Funnel Viscosity(sec./qt.)	119	112	118
A.V(cps) at / cent.	63	/60.5	63.5
P.V(cps)	37	/ 34	41
Y.V(lb/100ft^2)	52	/ 53	45
10"Gel(lb/100ft^2)	9	/ 10	9
10'Gel(lb/100ft^2)	11	/ 11	9
API Filtrate(cc/30min.)	4.0	4.3	4.1
Cake Thickness(mm)	0.5	0.5	0.5
pH(-)	10.9	11.0	11.1
Pf(cc)	0.1	0.2	0.1
Pm(cc)	0.4	0.3	0.3
Mf(cc)	0.4	0.5	0.3
Cl^-(mg/l)	75,600	73,500	75,600
Sand Content(%)	0.20	0.20	0.20
Oil Content(% Vol.)	0	0	0
Solid Content(% Vol.)	6	6	6
M.B.C.(cc/cc.mud)	0.50	0.50	0.50
Temperature(in/out cent.)	15 | 11	14 | 10	16 |
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)	25,200	24,700	25,800
Ca^{++}/Mg^{++}(mg/l)	80 | 122	80 | 73	|
n Value(600rpm/300rpm)	0.50	0.48	0.56
k Value(600rpm/300rpm)	3.90	4.48	2.58
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		139,360	
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH		2,275	
Lime		2,850	
Soda Ash			
Tel-Polymer(H)	220	5,440	341,000
Tel-Polymer(L)		16,820	
Tel-Polymer(DX)		21,160	
XCD Polymer		400	
Xan-Vis	150	4,350	375,000
NaCl(Bag)		168,000	
KCl(Bag)		130,000	
Clean Lube(L)		24,600	
Clean Lube		35,400	
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		5,200	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
7:20		126	89	71	50	12	9
14:30	14 |	| 121	| 87	| 68	| 54	| 11	| 10
20:45		127	86	63	46	10	8

Well Summary

Continue open hole to 17" f/3,461 t/3,651m(TD). Pump 10m3 of Hi-Vis mud and circ hole clean. W/Trip to shoe.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			ON	ON	ON	ON	ON
Btm2	84	84	84	84	84	84							

Dilution mud volume, Lost mud volume and ECD

Builed up new mud volume : -m3
Added new mud to active :77.4m3(Avr 3.23m3/hr)
Today's lost mud volume : 66.4m3 (Avr 2.77m3/hr)
Total lost mud volume : 873.9m3
Equivalent circulation density (PP190spm) : 1.1074sg(@shoe), 1.1083sg(@3,651mBRT)

Daily Cost	716,000
Total Cost	147,918,370

MATERIALS REPORT

NO. 72

Well Name NanTro SEIZE Stage.2

DATE 19. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			46,500kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			13,140kg	
Bar/Surge #1	Barite			6,000kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 46,500kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 13,140kg	Barite 6,000kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 205,200kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				139,360		185,640	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				2,275		1,025	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100			220	5,440	341,000	660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950			150	4,350	375,000	600	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000				130,000		14,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400				35,400		8,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 72

DATE 19, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Hi-vis	1.10sg	69.2KL	69.2KL	1.5KL	
Active #2	KNPP	1.10sg	64.9KL	64.9KL	1.5KL	
Active #3	KNPP	1.10sg	1.9KL	1.9KL	1.5KL	
Active #4	KNPP	1.10sg	22.6KL	22.6KL	1.5KL	
Active #5	KNPP	1.10sg	22.1KL	22.1KL	1.5KL	
Active #6	Seawater	1.03sg	59.6KL	59.6KL	1.5KL	
Chemical	Slug Mud	1.31sg	12.0KL	12.0KL	0.1KL	
Slug	Empty		1.7KL	1.7KL	0.1KL	

Chemical Tank

Unit(kg)

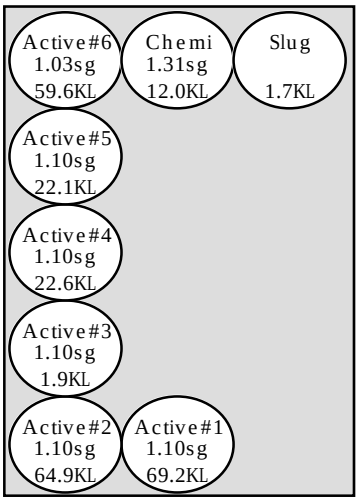
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	46,500kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	13,140kg	
Bar/Surge #1	Barite	6,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 205.2 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Kill mud	1.30sg	61.0KL	61.0KL	3.8KL	
Reserve #3	KNPP	1.08sg	11.7KL	11.7KL	3.8KL	
Reserve #4	Empty		3.8KL	3.8KL	3.8KL	
Reserve #5	KNPP	1.10sg	43.3KL	43.3KL	3.8KL	
Reserve #6	Empty		3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 626.0 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		139,360	185,640	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300		2,275	1,025	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100	220	5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950	150	4,350	600	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	14,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	8,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 71.3 ton

Total Weight 902.5 ton

Made by : H. Maruyama

Drilling Mud Report(Off Shore)

Telnite

No. 73

Company MQJ

Date 20, July, 2009

Well Name NanTro SEIZE Stage.2

Engineer I. Torimoto / H. Maruyama

TOTAL Depth(MSL) 3,622.7 m

BRT Depth: 3,651.0 m , SSL Depth: 1,568.7 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) : 125		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) : 127		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) : 20		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 733		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) : 100		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) : 10.625		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties									Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	7:00		13:00		21:00				Tel-Bar(Bulk)	4,700	144,060	192,700
Depth (m)	3625		3171		PIT				Kunigel-VO(Bulk)		141,060	
Mud Weight (SG/PPG)	1.10	9.2	1.10	9.2	1.10	9.2			NaOH		3,025	
Funnel Viscosity(sec./qt.)	127		117		115				KOH		2,275	
A.V(cps) at / cent.	67		/60.5		61				Lime		2,850	
P.V(cps)	38		/ 32		34				Soda Ash			
Y.V(lb/100ft^2)	58		/ 57		54				Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)	10		/ 11		11				Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)	12		/ 13		12				Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)	4.0		4.0		4.0				XCD Polymer		400	
Cake Thickness(mm)	0.5		0.5		0.5				Xan-Vis		4,350	
pH(-)	10.9		11.3		10.9				NaCl(Bag)		168,000	
Pf(cc)	0.1		0.1		0.1				KCl(Bag)		130,000	
Pm(cc)	0.3		0.3		0.3				Clean Lube(L)		24,600	
Mf(cc)	0.3		0.4		0.5				Clean Lube		35,400	
Cl^-(mg/l)	75,600		75,600		73,500				Tel-Clean			
Sand Content(%)	0.20		0.20		0.20				Lignate NC			
Oil Content(% Vol.)	0		0		0				Telnite GXL			
Solid Content(% Vol.)	6		6		6				Baracor 100			
M.B.C.(cc/cc.mud)	0.50		0.50		0.50				Telnite OS-5			
Temperature(in/out cent.)	12	11	14		17				Bi-Carbonate			
HT-HP Filtrate(cc)									Treat HS			
HT-HP Filtrate Cake(mm)									EZ Spot			
K^+(mg/l)	24,800		24,700		24,700				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)	80	73	80	122	80	122			Speeder(X)			
n Value(600rpm/300rpm)	0.48		0.44		0.47				Tel-DD		5,200	
k Value(600rpm/300rpm)	4.78		5.62		4.66				Deformer No.30C			
LGS/Drill Solids(% Vol.)									Tel-Stop(G)			
									Tel-Stop(P)			
									Tel-Mica(C)			
									Tel-Mica(M)			
									Tel-Mica(F)			
									Tel-Plug(C)			
									Tel-Plug(M)			
									Tel-Plug(F)		400	
									CaCl2(without water)			
									TAN CAL C			
									TAN CAL M		600	
									TAN CAL F		600	

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
7:00		134	96	68	54	13	10
13:00	14	121	89	62	57	13	11
21:00		122	88	66	55	11	10

Well Summary

Run back to BTM. Circ and pump 20m3 of Hi-vis for hole clean. Spot 45m3 of Hi-vis. POOH BHA.

Dilution mud volume, Lost mud volume and ECD

Builed up new mud volume : -m3
Added new mud to active :85m3(Avr 3.54m3/hr, inc 65m3 of Hi-vis)
Today's lost mud volume : 47m3 (Avr 1.95m3/hr)
Total lost mud volume : 920.9m3
Equivalent circulation density (PP190spm) : 1.1074sg(@shoe), 1.1083sg(@3,651mBRT)

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			OFF	OFF	OFF	OFF	OFF
Btm2	84	84	84	84	84	84							

Daily Cost	192,700
Total Cost	148,111,070

MATERIALS REPORT

NO. 73

Well Name NanTro SEIZE Stage.2

DATE 20. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			46,500kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			13,140kg	
Bar/Surge #1	Barite		4,700t	1,300kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 46,500kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 13,140kg	Barite 1,300kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 200,500kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000			4,700	144,060	192,700	180,940	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				2,275		1,025	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950				4,350		600	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000				130,000		14,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400				35,400		8,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 73

DATE 20, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Drill Water	1.00sg	20.5KL	20.5KL	1.5KL	for Mud push2
Active #2	KNPP	1.10sg	47.3KL	47.3KL	1.5KL	
Active #3	Empty		1.9KL	1.9KL	1.5KL	
Active #4	KNPP	1.10sg	30.5KL	30.5KL	1.5KL	
Active #5	KNPP	1.10sg	30.8KL	30.8KL	1.5KL	
Active #6	Seawater	1.03sg	56.2KL	56.2KL	1.5KL	
Chemical	Slug Mud	1.31sg	12.0KL	12.0KL	0.1KL	
Slug	Seawater	1.03sg	22.0KL	22.0KL	0.1KL	for chemical wash

Chemical Tank

Unit(kg)

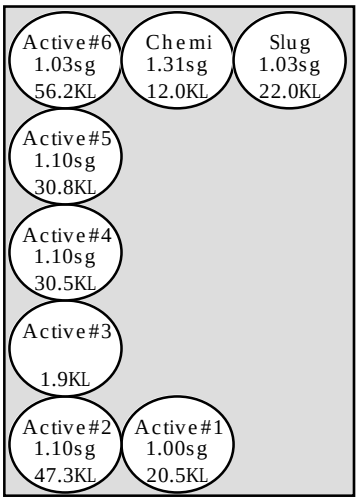
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	46,500kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	13,140kg	
Bar/Surge #1	Barite	1,300kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 200.5 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Kill mud	1.30sg	61.0KL	61.0KL	3.8KL	
Reserve #3	KNPP	1.08sg	11.7KL	11.7KL	3.8KL	
Reserve #4	Empty		3.8KL	3.8KL	3.8KL	
Reserve #5	KNPP	1.10sg	43.3KL	43.3KL	3.8KL	
Reserve #6	Empty		3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 586.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000	4,700	144,060	180,940	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300		2,275	1,025	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950		4,350	600	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	14,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	8,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 71.3 ton

Total Weight 858.2 ton

Made by : H. Maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer I. Torimoto / H. Maruyama

No. 73

Date 20, July, 2009

TOTAL Depth(MSL) 3,622.7 m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: 3,651.0 m , SSL Depth: 1,568.7 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) : 125		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) : 127		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) : 20		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 733		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) : 100		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) : 10.625		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties									Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	7:00		13:00		21:00				Tel-Bar(Bulk)	4,700	144,060	192,700
Depth (m)	3625		3171		PIT				Kunigel-VO(Bulk)		141,060	
Mud Weight (SG/PPG)	1.10	9.2	1.10	9.2	1.10	9.2			NaOH		3,025	
Funnel Viscosity(sec./qt.)	127		117		115				KOH		2,275	
A.V(cps) at / cent.	67		/60.5		61				Lime		2,850	
P.V(cps)	38		/ 32		34				Soda Ash			
Y.V(lb/100ft^2)	58		/ 57		54				Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)	10		/ 11		11				Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)	12		/ 13		12				Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)	4.0		4.0		4.0				XCD Polymer		400	
Cake Thickness(mm)	0.5		0.5		0.5				Xan-Vis		4,350	
pH(-)	10.9		11.3		10.9				NaCl(Bag)		168,000	
Pf(cc)	0.1		0.1		0.1				KCl(Bag)		130,000	
Pm(cc)	0.3		0.3		0.3				Clean Lube(L)		24,600	
Mf(cc)	0.3		0.4		0.5				Clean Lube		35,400	
Cl^-(mg/l)	75,600		75,600		73,500				Tel-Clean			
Sand Content(%)	0.20		0.20		0.20				Lignate NC			
Oil Content(% Vol.)	0		0		0				Telnite GXL			
Solid Content(% Vol.)	6		6		6				Baracor 100			
M.B.C.(cc/cc.mud)	0.50		0.50		0.50				Telnite OS-5			
Temperature(in/out cent.)	12	11	14		17				Bi-Carbonate			
HT-HP Filtrate(cc)									Treat HS			
HT-HP Filtrate Cake(mm)									EZ Spot			
K^+(mg/l)	24,800		24,700		24,700				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)	80	73	80	122	80	122			Speeder(X)			
n Value(600rpm/300rpm)	0.48		0.44		0.47				Tel-DD		5,200	
k Value(600rpm/300rpm)	4.78		5.62		4.66				Deformer No.30C			
LGS/Drill Solids(% Vol.)									Tel-Stop(G)			
									Tel-Stop(P)			
									Tel-Mica(C)			
									Tel-Mica(M)			
									Tel-Mica(F)			
									Tel-Plug(C)			
									Tel-Plug(M)			
									Tel-Plug(F)		400	
									CaCl2(without water)			
									TAN CAL C			
									TAN CAL M		600	
									TAN CAL F		600	

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
7:00		134	96	68	54	13	10
13:00	14	121	89	62	57	13	11
21:00		122	88	66	55	11	10

Well Summary

Run back to BTM. Circ and pump 20m3 of Hi-vis for hole clean. Spot 45m3 of Hi-vis. POOH BHA.

Dilution mud volume, Lost mud volume and ECD

Builed up new mud volume : -m3
Added new mud to active :124m3(Avr 5.1m3/hr, inc 65m3 of Hi-vis)
Today's lost mud volume : 47m3 (Avr 1.95m3/hr)
Total lost mud volume : 920.9m3
Equivalent circulation density (PP190spm) : 1.1074sg(@shoe), 1.1083sg(@3,651mBRT)

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			OFF	OFF	OFF	OFF	OFF
Btm2	84	84	84	84	84	84							

Daily Cost	192,700
Total Cost	148,111,070

MATERIALS REPORT

NO. 73

Well Name NanTro SEIZE Stage.2

DATE 20. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			46,500kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			13,140kg	
Bar/Surge #1	Barite		4,700t	1,300kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 46,500kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 13,140kg	Barite 1,300kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 200,500kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000			4,700	144,060	192,700	180,940	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				2,275		1,025	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950				4,350		600	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000				130,000		14,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400				35,400		8,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 73

DATE 20, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Drill Water	1.00sg	20.5KL	20.5KL	1.5KL	for Mud push2
Active #2	KNPP	1.10sg	47.3KL	47.3KL	1.5KL	
Active #3	Empty		1.9KL	1.9KL	1.5KL	
Active #4	KNPP	1.10sg	30.5KL	30.5KL	1.5KL	
Active #5	KNPP	1.10sg	30.8KL	30.8KL	1.5KL	
Active #6	Seawater	1.03sg	56.2KL	56.2KL	1.5KL	
Chemical	Slug Mud	1.31sg	12.0KL	12.0KL	0.1KL	
Slug	Seawater	1.03sg	22.0KL	22.0KL	0.1KL	for chemical wash

Chemical Tank

Unit(kg)

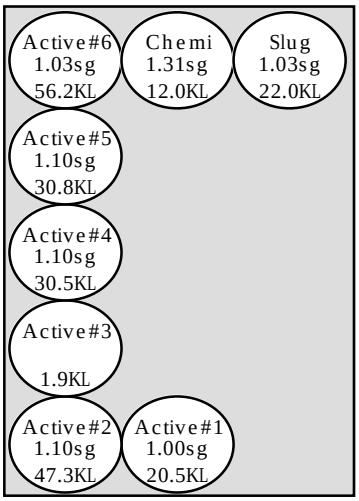
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	46,500kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	13,140kg	
Bar/Surge #1	Barite	1,300kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 200.5 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Kill mud	1.30sg	61.0KL	61.0KL	3.8KL	
Reserve #3	KNPP	1.08sg	11.7KL	11.7KL	3.8KL	
Reserve #4	Empty		3.8KL	3.8KL	3.8KL	
Reserve #5	KNPP	1.10sg	43.3KL	43.3KL	3.8KL	
Reserve #6	Empty		3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 586.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000	4,700	144,060	180,940	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300		2,275	1,025	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950		4,350	600	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	14,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	8,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 71.3 ton

Total Weight 858.2 ton

Made by : H. Maruyama

Drilling Mud Report(Off Shore)

Engineer: I. Torimoto / H. Maruyama

No. 74 | Date: 21, July, 2009 | TOTAL Depth(MSL): 3,622.7 m

Company: MQJ | Well Name: NanTro SEIZE Stage.2 | BRT Depth: 3,651.0 m , SSL Depth: 1,568.7 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3): 401		Pump No.1 (l/st): 19.45	DP Size (in): 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3): 125		Pump No.2 (l/st): 19.45	DC1 Size (in): 8.5	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3): 127		Pump No.3 (l/st): 19.45	DC2 Size (in):	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3): 20		P/Speed No.1 (spm):	A/Vel DP (ft/min):	System Total :
Intermediate	in m	T/Circ Vol. (m^3): 733		P/Speed No.2 (spm):	A/Vel DC1(ft/min):	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3): 100		P/Speed No.3 (spm):	A/Vel Riser(ft/min):	
		Bit Size (inch): 10.625		Rate (gal/min):		

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties			
Time (Sampling : Suction)	8:30	15:00	21:00
Depth (m)	PIT	PIT	PIT
Mud Weight (SG/PPG)	1.10 | 9.2	1.10 | 9.2	1.10 | 9.2
Funnel Viscosity(sec./qt.)	118	111	113
A.V(cps) at / cent.	59	/ 56	56.5
P.V(cps)	33	/ 31	32
Y.V(lb/100ft^2)	52	/ 50	49
10"Gel(lb/100ft^2)	9	/ 8	9
10'Gel(lb/100ft^2)	11	/ 9	10
API Filtrate(cc/30min.)	4.0	4.2	4.0
Cake Thickness(mm)	0.5	0.5	0.5
pH(-)	10.9	10.6	10.6
Pf(cc)	0.1	0.1	0.1
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)	75,600	75,600	73,500
Sand Content(%)	0.20	0.20	0.20
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)		0.50	
Temperature(in/out cent.)	15	17	17
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)		24,700	
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)	0.47	0.47	0.48
k Value(600rpm/300rpm)	4.45	4.39	4.05
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)	1,800	145,860	73,800
Kunigel-VO(Bulk)		141,060	
NaOH		3,025	
KOH		2,275	
Lime		2,850	
Soda Ash			
Tel-Polymer(H)		5,440	
Tel-Polymer(L)		16,820	
Tel-Polymer(DX)		21,160	
XCD Polymer		400	
Xan-Vis		4,350	
NaCl(Bag)		168,000	
KCl(Bag)		130,000	
Clean Lube(L)		24,600	
Clean Lube		35,400	
Tel-Clean			
Lignate NC			
Telnite GXL			
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS			
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		5,200	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
8:30		118	85	63	50	12	9
15:00	17	112	81	64	47	9	8
21:00		113	81	65	44	9	8

Well Summary

Make up WBRRT and RIH. Retrieve NSP. POOH with NSP tosurface and remove. Prepare for run 13-3/8"CSG. Run 13-3/8"CSG with 5-1/2"DP.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			OFF	OFF	OFF	OFF	OFF
Btm2	84	84	84	84	84	84							

Dilution mud volume, Lost mud volume and ECD

Builed up new mud volume : -m3
Added new mud to active :20.1m3(Avr 0.83m3/hr)
Today's lost mud volume : 39.3m3 (Avr 1.64m3/hr)
Total lost mud volume : 960.2m3
Equivalent circulation density (PP190spm) :

Daily Cost	73,800
Total Cost	148,184,870

MATERIALS REPORT

NO. 74

Well Name NanTro SEIZE Stage.2

DATE 21. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite		1,500kg	45,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			13,140kg	
Bar/Surge #1	Barite	1,500kg	1,800t	1,000kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 45,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 13,140kg	Barite 1,000kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 198,700kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000			1,800	145,860	73,800	179,140	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,025		1,700	
KOH	330,000		3,300				2,275		1,025	
Lime	41,600		3,800				2,850		950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950				4,350		600	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000				130,000		14,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400				35,400		8,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270						270	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600						1,600	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 74

DATE 21, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Mudpush2	1.20sg	22.3KL	22.3KL	1.5KL	
Active #2	KNPP	1.10sg	37.6KL	37.6KL	1.5KL	
Active #3	Empty		1.9KL	1.9KL	1.5KL	
Active #4	Empty		1.5KL	53.6KL	1.5KL	sensor error
Active #5	KNPP	1.10sg	33.7KL	33.7KL	1.5KL	
Active #6	Seawater	1.03sg	56.2KL	56.2KL	1.5KL	
Chemical	Slug Mud	1.31sg	4.6KL	4.6KL	0.1KL	
Slug	Chemicalwash	1.03sg	22.0KL	22.0KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Kill mud	1.30sg	61.0KL	61.0KL	3.8KL	
Reserve #3	KNPP	1.08sg	11.7KL	11.7KL	3.8KL	
Reserve #4	Empty		3.8KL	3.8KL	3.8KL	
Reserve #5	KNPP	1.10sg	43.3KL	43.3KL	3.8KL	
Reserve #6	Empty		3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

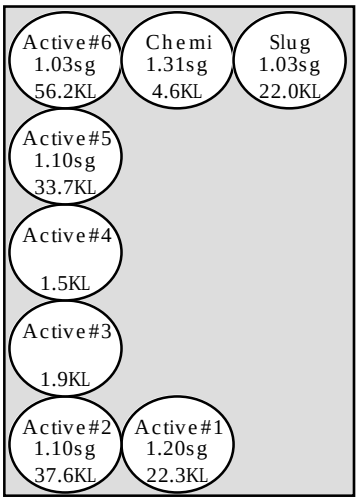
Mud Tank Total WT 541.9 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	45,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	13,140kg	
Bar/Surge #1	Barite	1,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 198.7 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000	1,800	145,860	179,140	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,025	1,700	
KOH		3,300		2,275	1,025	
Lime		3,800		2,850	950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950		4,350	600	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	14,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	8,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270			270	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600			1,600	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 71.3 ton

Total Weight 811.9 ton

Made by : H. Maruyama

Drilling Mud Report(Off Shore)

Telnite

No. 76 | Date 23, July, 2009 | Engineer H. Maruyama

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) 3,596.7 m | BRT Depth: 3,625.0 m , SSL Depth: 1,542.7 m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) : 125		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 13.3	Bottom's Up :
Intermediate	13.375 in 3,624.3 m	B/Hole Vol. (m^3) : 123		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) : 28		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 701		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) : 80		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) : 10.625		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	1:00			Tel-Bar(Bulk)	2,640	148,500	108,240
Depth (m)	3625			Kunigel-VO(Bulk)		141,060	
Mud Weight (SG/PPG)	1.10 | 9.2			NaOH		3,475	
Funnel Viscosity(sec./qt.)	125			KOH		2,275	
A.V(cps) at / cent.	58	/		Lime		3,150	
P.V(cps)	31	/		Soda Ash			
Y.V(lb/100ft^2)	54	/		Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)	11	/		Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)	13	/		Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)	4.0			XCD Polymer		400	
Cake Thickness(mm)	0.5			Xan-Vis		4,350	
pH(-)	10.5			NaCl(Bag)		168,000	
Pf(cc)	0.1			KCl(Bag)		130,000	
Pm(cc)	0.2			Clean Lube(L)		24,600	
Mf(cc)	0.3			Clean Lube		35,400	
Cl^-(mg/l)	75,600			Tel-Clean			
Sand Content(%)	0.20			Lignate NC			
Oil Content(% Vol.)	0			Telnite GXL		126	
Solid Content(% Vol.)	6			Baracor 100			
M.B.C.(cc/cc.mud)	0.50			Telnite OS-5			
Temperature(in/out cent.)	11 | 10			Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS		1,440	
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)	24,700			Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)	80 | 122			Speeder(X)			
n Value(600rpm/300rpm)	0.45			Tel-DD		5,200	
k Value(600rpm/300rpm)	5.19			Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)		400	
				CaCl2(without water)			
				TAN CAL C			
				TAN CAL M		600	
				TAN CAL F		600	

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
1:00		116	85	68	47	11	10

Well Summary

13-3/8" CSG CMTG. Displace with 116.7m3 of suspend fluid into CSG.
Set the CSG HGR. Pack off and test seal with BOP. POOH

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			OFF	OFF	OFF	OFF	OFF
Btm2	84	84	84	84	84	84							

Dilution mud volume, Lost mud volume and ECD

Mixed 6m3 of slug mud.
Mixed 142m3 of suspend fluid for prevent corrosion.
Added new mud to active :36.6m3(Avr 1.53m3/hr)
Today's lost mud volume : 20.9m3 (Avr 0.87m3/hr)
Total lost mud volume : 1,019.4m3

Daily Cost	108,240
Total Cost	150,016,490

MATERIALS REPORT

NO. 76

Well Name NanTro SEIZE Stage.2

DATE 23. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			45,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite		2,640t	10,500kg	
Bar/Surge #1	Barite	2,640kg	2,640t	1,000kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 45,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 10,500kg	Barite 1,000kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 196,060kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000			2,640	148,500	108,240	176,500	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,475		1,250	
KOH	330,000		3,300				2,275		1,025	
Lime	41,600		3,800				3,150		650	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950				4,350		600	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000				130,000		14,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400				35,400		8,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270				126		144	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600				1,440		160	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 76

DATE 23, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Drill water	1.00sg	25.0KL	25.0KL	1.5KL	Clean tank,Line
Active #2	Empty		1.5KL	1.5KL	1.5KL	
Active #3	KNPP	1.10sg	14.1KL	14.1KL	1.5KL	
Active #4	KNPP	1.10sg	47.1KL	47.1KL	1.5KL	
Active #5	KNPP	1.10sg	45.4KL	45.4KL	1.5KL	
Active #6	Seawater	1.03sg	56.2KL	56.2KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Empty		0.1KL	0.1KL	0.1KL	

Chemical Tank

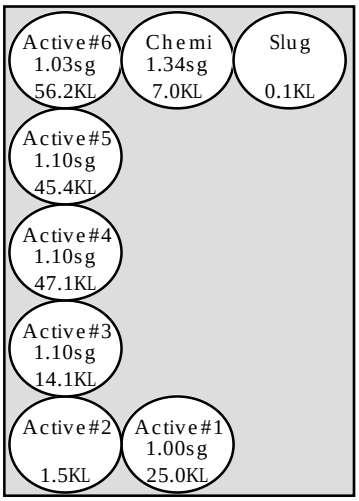
Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	45,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	10,500kg	
Bar/Surge #1	Barite	1,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 196.1 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Kill mud	1.30sg	61.0KL	61.0KL	3.8KL	
Reserve #3	Empty		3.8KL	3.8KL	3.8KL	
Reserve #4	Empty		3.8KL	3.8KL	3.8KL	
Reserve #5	Empty		3.8KL	3.8KL	3.8KL	
Reserve #6	Empty		3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						



Mud Tank Total WT 499.4 ton

Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000	2,640	148,500	176,500	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,475	1,250	
KOH		3,300		2,275	1,025	
Lime		3,800		3,150	650	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950		4,350	600	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	14,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	8,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270		126	144	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600		1,440	160	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 69.0 ton

Total Weight 764.4 ton

Made by : H. Maruyama

Drilling Mud Report(Off Shore)

Telnite

No. 77 | Date 24, July, 2009 | Engineer H. Maruyama

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) : 13.3	Bottom's Up :
Intermediate	13.375 in 3,624.3 m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 481		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) : 80		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	9:30	Tel-Bar(Bulk)		148,500	
Depth (m)	PIT	Kunigel-VO(Bulk)		141,060	
Mud Weight (SG/PPG)	1.10 9.2	NaOH		3,475	
Funnel Viscosity(sec./qt.)	122	KOH		2,275	
A.V(cps) at / cent.	/	Lime		3,150	
P.V(cps)	/	Soda Ash			
Y.V(lb/100ft^2)	/	Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)	/	Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)	/	Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)		XCD Polymer		400	
Cake Thickness(mm)		Xan-Vis		4,350	
pH(-)	10.7	NaCl(Bag)		168,000	
Pf(cc)		KCl(Bag)		130,000	
Pm(cc)		Clean Lube(L)		24,600	
Mf(cc)		Clean Lube		35,400	
Cl^-(mg/l)		Tel-Clean			
Sand Content(%)		Lignate NC			
Oil Content(% Vol.)		Telnite GXL		126	
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)		Telnite OS-5			
Temperature(in/out cent.)	17	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS		1,440	
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)		Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)		Speeder(X)			
n Value(600rpm/300rpm)		Tel-DD		5,200	
k Value(600rpm/300rpm)		Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)		400	
		CaCl2(without water)			
		TAN CAL C			
		TAN CAL M		600	
		TAN CAL F		600	

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
9:30	17						

Well Summary

R/U for run W/L. Run junk catcher w/gauge ring and log out f/3,300 t/2,078m. POOH with W/L f/2,078 t/surface. R/U for VSP and run.

Dilution mud volume, Lost mud volume and ECD

Added new mud to active :-m3(Avr -m3/hr)
Today's lost mud volume :-m3 (Avr -m3/hr)
Total lost mud volume : 1,019.4m3

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			OFF	OFF	OFF	OFF	OFF
Btm2	84	84	84	84	84	84							

Daily Cost	0
Total Cost	150,016,490

MATERIALS REPORT

NO. 77

Well Name NanTro SEIZE Stage.2

DATE 24. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			45,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			10,500kg	
Bar/Surge #1	Barite			1,000kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 45,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 10,500kg	Barite 1,000kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 196,060kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				148,500		176,500	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,475		1,250	
KOH	330,000		3,300				2,275		1,025	
Lime	41,600		3,800				3,150		650	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950				4,350		600	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000				130,000		14,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400				35,400		8,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270				126		144	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600				1,440		160	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 77

DATE 24, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty		1.5KL	1.5KL	1.5KL	
Active #2	Empty		1.5KL	1.5KL	1.5KL	
Active #3	KNPP	1.10sg	14.1KL	14.1KL	1.5KL	
Active #4	KNPP	1.10sg	47.1KL	47.1KL	1.5KL	
Active #5	KNPP	1.10sg	45.4KL	45.4KL	1.5KL	
Active #6	Seawater	1.03sg	56.2KL	56.2KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Empty		0.1KL	0.1KL	0.1KL	

Chemical Tank

Unit(kg)

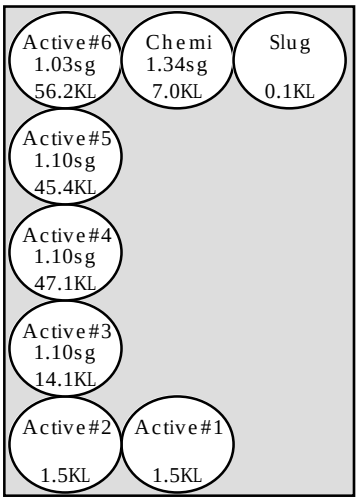
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	45,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	10,500kg	
Bar/Surge #1	Barite	1,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 196.1 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Kill mud	1.30sg	61.0KL	61.0KL	3.8KL	
Reserve #3	Empty		3.8KL	3.8KL	3.8KL	
Reserve #4	Empty		11.4KL	11.4KL	3.8KL	error of a sensor
Reserve #5	Empty		3.8KL	3.8KL	3.8KL	
Reserve #6	Empty		3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 474.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		148,500	176,500	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,475	1,250	
KOH		3,300		2,275	1,025	
Lime		3,800		3,150	650	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950		4,350	600	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	14,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	8,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270		126	144	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600		1,440	160	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 69.0 ton

Total Weight 739.4 ton

Made by : H. Maruyama

Drilling Mud Report(Off Shore)

Telnite

No. 78 | Date 25, July, 2009 | Engineer H. Maruyama

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) :	Bottom's Up :
Intermediate	13.375 in 3,624.3 m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 461		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) : 60		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)		10:30		Tel-Bar(Bulk)		148,500	
Depth (m)		PIT		Kunigel-VO(Bulk)		141,060	
Mud Weight (SG/PPG)		1.10 | 9.2		NaOH		3,475	
Funnel Viscosity(sec./qt.)		114		KOH		2,275	
A.V(cps) at / cent.		/		Lime		3,150	
P.V(cps)		/		Soda Ash			
Y.V(lb/100ft^2)		/		Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)		/		Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)		/		Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)				XCD Polymer		400	
Cake Thickness(mm)				Xan-Vis		4,350	
pH(-)		10.6		NaCl(Bag)		168,000	
Pf(cc)				KCl(Bag)		130,000	
Pm(cc)				Clean Lube(L)		24,600	
Mf(cc)				Clean Lube		35,400	
Cl^-(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL		126	
Solid Content(% Vol.)				Baracor 100			
M.B.C.(cc/cc.mud)				Telnite OS-5			
Temperature(in/out cent.)				Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS		1,440	
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)				Tel-DD		5,200	
k Value(600rpm/300rpm)				Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)		400	
				CaCl2(without water)			
				TAN CAL C			
				TAN CAL M		600	
				TAN CAL F		600	

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
10:30							

Well Summary

W/L job(VSP).

Dilution mud volume, Lost mud volume and ECD

check materials amount for back loading.
Total lost mud volume : 1,019.4m3

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			OFF	OFF	OFF	OFF	OFF
Btm2	84	84	84	84	84	84							

Daily Cost	0
Total Cost	150,016,490

MATERIALS REPORT

NO. 78

Well Name NanTro SEIZE Stage.2

DATE 25. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			45,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			10,500kg	
Bar/Surge #1	Barite			1,000kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 45,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 10,500kg	Barite 1,000kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 196,060kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				148,500		176,500	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,475		1,250	
KOH	330,000		3,300				2,275		1,025	
Lime	41,600		3,800				3,150		650	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950				4,350		600	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000				130,000		14,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400				35,400		8,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270				126		144	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600				1,440		160	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 78

DATE 25, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty		1.5KL	1.5KL	1.5KL	
Active #2	Empty		1.5KL	1.5KL	1.5KL	
Active #3	KNPP	1.10sg	14.1KL	14.1KL	1.5KL	
Active #4	Empty		1.5KL	1.5KL	1.5KL	
Active #5	Empty		1.5KL	1.5KL	1.5KL	
Active #6	Seawater	1.03sg	66.8KL	66.8KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Empty		0.1KL	0.1KL	0.1KL	

Chemical Tank

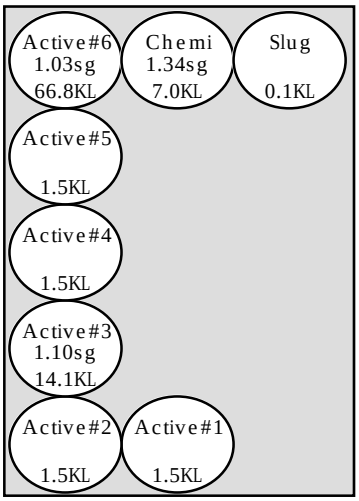
Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	45,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	10,500kg	
Bar/Surge #1	Barite	1,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 196.1 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Kill mud	1.30sg	61.0KL	61.0KL	3.8KL	
Reserve #3	Empty		3.8KL	3.8KL	3.8KL	
Reserve #4	Empty		11.4KL	11.4KL	3.8KL	error of a sensor
Reserve #5	KNPP	1.10sg	144.1KL	144.1KL	3.8KL	
Reserve #6	Empty		3.8KL	3.8KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						



Mud Tank Total WT 542.1 ton

Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		148,500	176,500	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,475	1,250	
KOH		3,300		2,275	1,025	
Lime		3,800		3,150	650	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950		4,350	600	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	14,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	8,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270		126	144	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600		1,440	160	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 69.0 ton

Total Weight 807.1 ton

Made by : H. Maruyama

Drilling Mud Report(Off Shore)

No. 80 | Date 27, July, 2009 | Engineer H. Maruyama

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) :	Bottom's Up :
Intermediate	13.375 in 3,624.3 m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 461		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) : 60		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)				Tel-Bar(Bulk)		148,500	
Depth (m)				Kunigel-VO(Bulk)		141,060	
Mud Weight (SG/PPG)				NaOH		3,475	
Funnel Viscosity(sec./qt.)				KOH	350	2,625	115,500
A.V(cps) at / cent.		/		Lime	250	3,400	10,400
P.V(cps)		/		Soda Ash			
Y.V(lb/100ft^2)		/		Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)		/		Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)		/		Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)				XCD Polymer		400	
Cake Thickness(mm)				Xan-Vis		4,350	
pH(-)				NaCl(Bag)		168,000	
Pf(cc)				KCl(Bag)		130,000	
Pm(cc)				Clean Lube(L)		24,600	
Mf(cc)				Clean Lube		35,400	
Cl^-(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL	144	270	561,600
Solid Content(% Vol.)				Baracor 100			
M.B.C.(cc/cc.mud)				Telnite OS-5			
Temperature(in/out cent.)				Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS	160	1,600	128,000
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)				Tel-DD		5,200	
k Value(600rpm/300rpm)				Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)		400	
				CaCl2(without water)			
				TAN CAL C			
				TAN CAL M		600	
				TAN CAL F		600	

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm

Well Summary

Unlatch BOP. Pull Riser and BOP with landing joint. Confirm well head by ROV. Move vessel to 50m off set well. Lay down tension/pup/intermediate joint.

Dilution mud volume, Lost mud volume and ECD

Mixed 58m3 of H2S inhibitor and transfer from Act No.2 to C/S tank.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			OFF	OFF	OFF	OFF	OFF
Btm2	84	84	84	84	84	84							

Daily Cost	815,500
Total Cost	150,831,990

MATERIALS REPORT

NO. 80

Well Name NanTro SEIZE Stage.2

DATE 27. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			45,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			10,500kg	
Bar/Surge #1	Barite			1,000kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 45,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 10,500kg	Barite 1,000kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 196,060kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				148,500		176,500	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,475		1,250	
KOH	330,000		3,300			350	2,625	115,500	675	
Lime	41,600		3,800			250	3,400	10,400	400	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950				4,350		600	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000				130,000		14,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400				35,400		8,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270			144	270	561,600	0	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600			160	1,600	128,000	0	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 80

DATE 27, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty		1.5KL	1.5KL	1.5KL	
Active #2	Seawater	1.03sg	57.7KL	57.7KL	1.5KL	
Active #3	Empty		1.5KL	1.5KL	1.5KL	
Active #4	Empty		1.5KL	1.5KL	1.5KL	
Active #5	Empty		1.5KL	1.5KL	1.5KL	
Active #6	Seawater	1.03sg	31.6KL	31.6KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Empty		0.1KL	0.1KL	0.1KL	

Chemical Tank

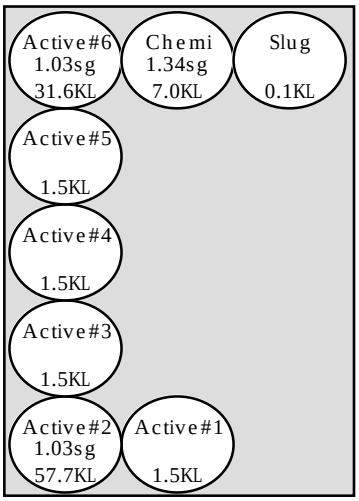
Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	45,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	10,500kg	
Bar/Surge #1	Barite	1,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 196.1 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Kill mud	1.30sg	61.0KL	61.0KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.0KL	170.0KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						



Mud Tank Total WT 1099.3 ton

Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		148,500	176,500	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,475	1,250	
KOH		3,300	350	2,625	675	
Lime		3,800	250	3,400	400	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950		4,350	600	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	14,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	8,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270	144	270	0	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600	160	1,600	0	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 68.1 ton

Total Weight 1,363.4 ton

Made by : H. Maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer H. Maruyama

No. 81

Date 28, July, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) :	Bottom's Up :
Intermediate	13.375 in 3,624.3 m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 461		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) : 60		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties		
Time (Sampling : Suction)			
Depth (m)			
Mud Weight (SG/PPG)			
Funnel Viscosity(sec./qt.)			
A.V(cps) at / cent.		/	
P.V(cps)		/	
Y.V(lb/100ft^2)		/	
10"Gel(lb/100ft^2)		/	
10'Gel(lb/100ft^2)		/	
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)			
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)			
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)			
k Value(600rpm/300rpm)			
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		148,500	
Kunigel-VO(Bulk)		141,060	
NaOH		3,475	
KOH	525	3,150	173,250
Lime	400	3,800	16,640
Soda Ash			
Tel-Polymer(H)		5,440	
Tel-Polymer(L)		16,820	
Tel-Polymer(DX)		21,160	
XCD Polymer		400	
Xan-Vis		4,350	
NaCl(Bag)		168,000	
KCl(Bag)		130,000	
Clean Lube(L)		24,600	
Clean Lube		35,400	
Tel-Clean			
Lignate NC			
Telnite GXL		270	
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS		1,600	
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		5,200	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm

Well Summary

Retrieve BOP and Riser.

Dilution mud volume, Lost mud volume and ECD

Mixed 60m3 of H2S inhibitor.
Back loading chemicals.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			OFF	OFF	OFF	OFF	OFF
Btm2	84	84	84	84	84	84							

Daily Cost	189,890
Total Cost	151,021,880

MATERIALS REPORT

NO. 81

Well Name NanTro SEIZE Stage.2

DATE 28. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			45,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			10,500kg	
Bar/Surge #1	Barite			1,000kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 45,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 10,500kg	Barite 1,000kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 196,060kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				148,500		176,500	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,475		1,250	
KOH	330,000		3,300			525	3,150	173,250	150	
Lime	41,600		3,800			400	3,800	16,640	0	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950				4,350		600	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000	4,000	4,000		130,000		10,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400				35,400		8,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270				270		0	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600				1,600		0	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 81

DATE 28, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty		1.5KL	1.5KL	1.5KL	
Active #2	Empty		1.5KL	1.5KL	1.5KL	
Active #3	Empty		1.5KL	1.5KL	1.5KL	
Active #4	H2S inhibitor	1.03sg	60.0KL	60.0KL	1.5KL	
Active #5	Empty		1.5KL	1.5KL	1.5KL	
Active #6	Seawater	1.03sg	31.6KL	31.6KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Empty		0.1KL	0.1KL	0.1KL	

Chemical Tank

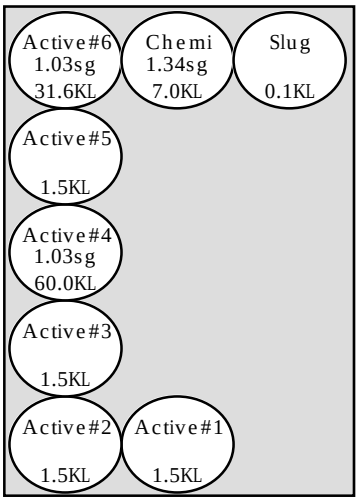
Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	45,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	10,500kg	
Bar/Surge #1	Barite	1,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 196.1 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Kill mud	1.30sg	61.0KL	61.0KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.0KL	170.0KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						



Mud Tank Total WT 1101.7 ton

Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		148,500	176,500	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,475	1,250	
KOH		3,300	525	3,150	150	
Lime		3,800	400	3,800	0	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950		4,350	600	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	10,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	8,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270		270	0	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600		1,600	0	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 63.1 ton

Total Weight 1,360.9 ton

Made by : H. Maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer H. Maruyama

No. 81

Date 28, July, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) :	Bottom's Up :
Intermediate	13.375 in 3,624.3 m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 461		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) : 60		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)				Tel-Bar(Bulk)		148,500	
Depth (m)				Kunigel-VO(Bulk)		141,060	
Mud Weight (SG/PPG)				NaOH		3,475	
Funnel Viscosity(sec./qt.)				KOH	500	3,125	165,000
A.V(cps) at / cent.		/		Lime	500	3,900	20,800
P.V(cps)		/		Soda Ash			
Y.V(lb/100ft^2)		/		Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)		/		Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)		/		Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)				XCD Polymer		400	
Cake Thickness(mm)				Xan-Vis		4,350	
pH(-)				NaCl(Bag)		168,000	
Pf(cc)				KCl(Bag)		130,000	
Pm(cc)				Clean Lube(L)		24,600	
Mf(cc)				Clean Lube		35,400	
Cl^-(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL		270	
Solid Content(% Vol.)				Baracor 100			
M.B.C.(cc/cc.mud)				Telnite OS-5			
Temperature(in/out cent.)				Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS		1,600	
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)				Tel-DD		5,200	
k Value(600rpm/300rpm)				Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)		400	
				CaCl2(without water)			
				TAN CAL C			
				TAN CAL M		600	
				TAN CAL F		600	

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm

Well Summary

Retrieve BOP and Riser.

Dilution mud volume, Lost mud volume and ECD

Mixed 60m3 of H2S inhibitor.
Back loading chemicals.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			OFF	OFF	OFF	OFF	OFF
Btm2	84	84	84	84	84	84							

Daily Cost	185,800
Total Cost	151,017,790

MATERIALS REPORT

NO. 81

Well Name NanTro SEIZE Stage.2

DATE 28. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			45,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			10,500kg	
Bar/Surge #1	Barite			1,000kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 45,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 10,500kg	Barite 1,000kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 196,060kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				148,500		176,500	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000		4,725				3,475		1,250	
KOH	330,000		3,300			500	3,125	165,000	175	
Lime	41,600		3,800			500	3,900	20,800	-100	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950				4,350		600	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000	4,000	4,000		130,000		10,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400				35,400		8,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270				270		0	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		1,600				1,600		0	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 81

DATE 28, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty		1.5KL	1.5KL	1.5KL	
Active #2	Empty		1.5KL	1.5KL	1.5KL	
Active #3	Empty		1.5KL	1.5KL	1.5KL	
Active #4	H2S inhibitor	1.03sg	60.0KL	60.0KL	1.5KL	
Active #5	Empty		1.5KL	1.5KL	1.5KL	
Active #6	Seawater	1.03sg	31.6KL	31.6KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Empty		0.1KL	0.1KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Kill mud	1.30sg	61.0KL	61.0KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.0KL	170.0KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

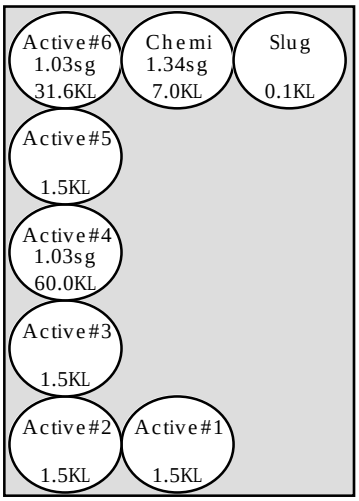
Mud Tank Total WT 1101.7 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	45,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	10,500kg	
Bar/Surge #1	Barite	1,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 196.1 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		148,500	176,500	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH		4,725		3,475	1,250	
KOH		3,300	500	3,125	175	
Lime		3,800	500	3,900	-100	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950		4,350	600	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	10,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	8,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270		270	0	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		1,600		1,600	0	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 63.1 ton

Total Weight 1,360.8 ton

Made by : H. Maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer H. Maruyama

No. 82

Date 29, July, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) :	Bottom's Up :
Intermediate	13.375 in 3,624.3 m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 461		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) : 60		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)				Tel-Bar(Bulk)		148,500	
Depth (m)				Kunigel-VO(Bulk)		141,060	
Mud Weight (SG/PPG)				NaOH		3,475	
Funnel Viscosity(sec./qt.)				KOH		3,150	
A.V(cps) at / cent.		/		Lime		3,800	
P.V(cps)		/		Soda Ash			
Y.V(lb/100ft^2)		/		Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)		/		Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)		/		Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)				XCD Polymer		400	
Cake Thickness(mm)				Xan-Vis		4,350	
pH(-)				NaCl(Bag)		168,000	
Pf(cc)				KCl(Bag)		130,000	
Pm(cc)				Clean Lube(L)		24,600	
Mf(cc)				Clean Lube		35,400	
Cl^-(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL		270	
Solid Content(% Vol.)				Baracor 100			
M.B.C.(cc/cc.mud)				Telnite OS-5			
Temperature(in/out cent.)				Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS		1,600	
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)				Tel-DD		5,200	
k Value(600rpm/300rpm)				Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)		400	
				CaCl2(without water)			
				TAN CAL C			
				TAN CAL M		600	
				TAN CAL F		600	

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm

Well Summary

Continue to retrieve BOP and Riser.

Dilution mud volume, Lost mud volume and ECD

Transfer 60m3 of H2S inhibitor from Act to C/S tank.
Continue to back load chemicals.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			OFF	OFF	OFF	OFF	OFF
Btm2	84	84	84	84	84	84							

Daily Cost	0
Total Cost	151,021,880

MATERIALS REPORT

NO. 82

Well Name NanTro SEIZE Stage.2

DATE 29. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			45,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			11,700kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,860kg	
D/Tank #2	Barite			10,500kg	
Bar/Surge #1	Barite			1,000kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 45,000kg	Barite	Barite	Bentonite 0kg	Bentonite 11,700kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,860kg	Barite 10,500kg	Barite 1,000kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 196,060kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				148,500		176,500	
Kunigel-VO(Bulk)	47,500		157,760				141,060		16,700	
NaOH	150,000	2,500	7,225				3,475		3,750	
KOH	330,000		3,300				3,150		150	
Lime	41,600	2,000	5,800				3,800		2,000	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950				4,350		600	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000	6,000	10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400				35,400		8,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		270				270		0	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000	200	1,800				1,600		200	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500						500	
Tel-Stop(P)	240,000		1,000						1,000	
Tel-Mica(C)	450,000		500						500	
Tel-Mica(M)	450,000		500						500	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500						500	
Tel-Plug(M)	350,000		500						500	
Tel-Plug(F)	350,000		1,000				400		600	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 82

DATE 29, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty		1.5KL	1.5KL	1.5KL	
Active #2	Empty		1.5KL	1.5KL	1.5KL	
Active #3	Empty		1.5KL	1.5KL	1.5KL	
Active #4	Empty		1.5KL	1.5KL	1.5KL	
Active #5	Empty		1.5KL	1.5KL	1.5KL	
Active #6	Seawater	1.03sg	31.6KL	31.6KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Empty		0.1KL	0.1KL	0.1KL	

Chemical Tank

Unit(kg)

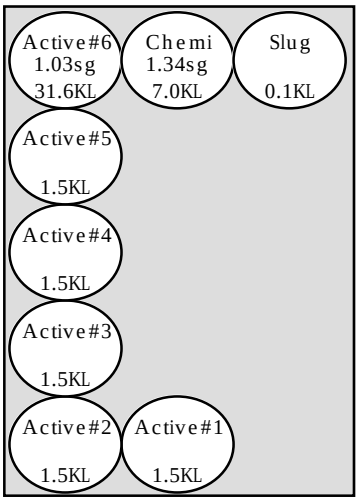
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	45,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	11,700kg	
Daily Tank#1	Bentonite	7,860kg	
Daily Tank #2	Barite	10,500kg	
Bar/Surge #1	Barite	1,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 196.1 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Kill mud	1.30sg	61.0KL	61.0KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.0KL	170.0KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1039.9 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		148,500	176,500	
Kunigel-VO(Bulk)		157,760		141,060	16,700	
NaOH	2,500	7,225		3,475	3,750	
KOH		3,300		3,150	150	
Lime	2,000	5,800		3,800	2,000	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950		4,350	600	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	8,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		270		270	0	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS	200	1,800		1,600	200	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			500	
Tel-Stop(P)		1,000			1,000	
Tel-Mica(C)		500			500	
Tel-Mica(M)		500			500	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			500	
Tel-Plug(F)		1,000		400	600	
CaCl2(without water)						

Total SX ROOM Weight 61.8 ton

Total Weight 1,297.8 ton

Made by : H. Maruyama

Telnite

Drilling Mud Report(Off Shore)

Engineer H. Maruyama

No. 83

Date 30, July, 2009

TOTAL Depth(MSL) m

Company MQJ

Well Name NanTro SEIZE Stage.2

BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) :	Bottom's Up :
Intermediate	13.375 in 3,624.3 m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 461		P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) : 60		P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)				Tel-Bar(Bulk)		148,500	
Depth (m)				Kunigel-VO(Bulk)	8,800	149,860	418,000
Mud Weight (SG/PPG)				NaOH		3,475	
Funnel Viscosity(sec./qt.)				KOH		3,150	
A.V(cps) at / cent.		/		Lime		3,800	
P.V(cps)		/		Soda Ash			
Y.V(lb/100ft^2)		/		Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)		/		Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)		/		Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)				XCD Polymer		400	
Cake Thickness(mm)				Xan-Vis	25	4,375	62,500
pH(-)				NaCl(Bag)		168,000	
Pf(cc)				KCl(Bag)		130,000	
Pm(cc)				Clean Lube(L)		24,600	
Mf(cc)				Clean Lube		35,400	
Cl^-(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL		270	
Solid Content(% Vol.)				Baracor 100			
M.B.C.(cc/cc.mud)				Telnite OS-5			
Temperature(in/out cent.)				Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS		1,600	
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)				Tel-DD		5,200	
k Value(600rpm/300rpm)				Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)		400	
				CaCl2(without water)			
				TAN CAL C			
				TAN CAL M		600	
				TAN CAL F		600	

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm

Well Summary

POOH with Riser and BOP. Nipple down BOP. Skid BOP to aft position. Lay down centralizer and instrumentation joints. Rig down and remove riser running tool.

Dilution mud volume, Lost mud volume and ECD

Mixed 69m3 of pre-hy gel slurry.
Continue to back load chemicals.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			OFF	OFF	OFF	OFF	OFF
Btm2	84	84	84	84	84	84							

Daily Cost	480,500
Total Cost	151,502,380

MATERIALS REPORT

NO. 83

Well Name NanTro SEIZE Stage.2

DATE 30. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			45,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite		11,700kg	0kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite	11,700kg	8,800t	7,900kg	
D/Tank #2	Barite			10,500kg	
Bar/Surge #1	Barite			1,000kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite	8,800kg	8,800t	0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 45,000kg	Barite	Barite	Bentonite 0kg	Bentonite 0kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,900kg	Barite 10,500kg	Barite 1,000kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 184,400kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				148,500		176,500	
Kunigel-VO(Bulk)	47,500		157,760			8,800	149,860	418,000	7,900	
NaOH	150,000		7,225				3,475		3,750	
KOH	330,000		3,300				3,150		150	
Lime	41,600	1,000	6,800				3,800		3,000	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950			25	4,375	62,500	575	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400				35,400		8,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000	450	720				270		450	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000	2,500	4,300				1,600		2,700	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500	500	500				0	
Tel-Stop(P)	240,000		1,000	1,000	1,000				0	
Tel-Mica(C)	450,000		500	500	500				0	
Tel-Mica(M)	450,000		500	500	500				0	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500	500	500				0	
Tel-Plug(M)	350,000		500	500	500				0	
Tel-Plug(F)	350,000		1,000	600	600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 83

DATE 30, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	61.0KL	61.0KL	1.5KL	
Active #2	Empty		1.5KL	1.5KL	1.5KL	
Active #3	Empty		1.5KL	1.5KL	1.5KL	
Active #4	Seawater	1.03sg	32.6KL	32.6KL	1.5KL	
Active #5	Empty		1.5KL	1.5KL	1.5KL	
Active #6	Drill water	1.00sg	57.8KL	57.8KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Empty		0.1KL	0.1KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	69.0KL	69.0KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.0KL	170.0KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

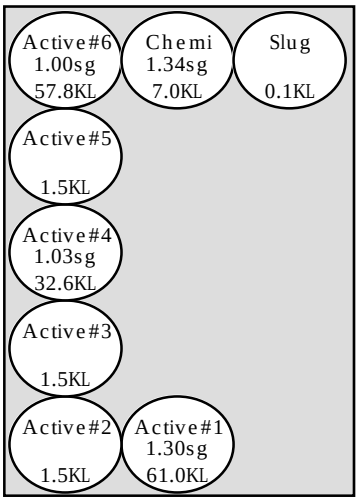
Mud Tank Total WT 1171.2 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	45,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	0kg	
Daily Tank#1	Bentonite	7,900kg	
Daily Tank #2	Barite	10,500kg	
Bar/Surge #1	Barite	1,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 184.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		148,500	176,500	
Kunigel-VO(Bulk)		157,760	8,800	149,860	7,900	
NaOH		7,225		3,475	3,750	
KOH		3,300		3,150	150	
Lime	1,000	6,800		3,800	3,000	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950	25	4,375	575	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	8,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL	450	720		270	450	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS	2,500	4,300		1,600	2,700	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 61.7 ton

Total Weight 1,417.2 ton

Made by : H. Maruyama

Drilling Mud Report(Off Shore)

Telnite

No. 84 | Date 31, July, 2009 | Engineer I. Torimoto

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m, SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) :	401	Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) :	19.45	DC1 Size (in) :		Bottom's Up :
Intermediate	13.375 in 3,624.3 m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :		A/Vel DP (ft/min) :		System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	461	P/Speed No.2 (spm) :		A/Vel DC1 (ft/min) :		
Production	in m	Pit Vol. (m^3) :	60	P/Speed No.3 (spm) :		A/Vel Rise (ft/min) :		P/ Press (Mpa) :
		Bit Size (inch) :		Rate (gal/min) :				

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)				Tel-Bar(Bulk)		148,500	
Depth (m)				Kunigel-VO(Bulk)	7,900	157,760	375,250
Mud Weight (SG/PPG)				NaOH		3,475	
Funnel Viscosity(sec./qt.)				KOH		3,150	
A.V(cps) at / cent.		/		Lime		3,800	
P.V(cps)		/		Soda Ash			
Y.V(lb/100ft^2)		/		Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)		/		Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)		/		Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)				XCD Polymer		400	
Cake Thickness(mm)				Xan-Vis		4,375	
pH(-)				NaCl(Bag)		168,000	
Pf(cc)				KCl(Bag)		130,000	
Pm(cc)				Clean Lube(L)		24,600	
Mf(cc)				Clean Lube		35,400	
Cl^-(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL		270	
Solid Content(% Vol.)				Baracor 100			
M.B.C.(cc/cc.mud)				Telnite OS-5			
Temperature(in/out cent.)				Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS		1,600	
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)				Tel-DD		5,200	
k Value(600rpm/300rpm)				Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)		400	
				CaCl2(without water)			
				TAN CAL C			
				TAN CAL M		600	
				TAN CAL F		600	

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm

Well Summary

Retrieve transponders. Rrig down torque wrench and B/O IBOP's. Install new IBOP's and saver sub. Install corrosion cap. Change out Link tilt cylinder and repair IBOP. Remove goosenecks from C&K , Boost, Conduit lines and commence picking up hose's for transit to NT2-11 well location.

Dilution mud volume, Lost mud volume and ECD

Mixed 69m3 of pre-hy gel slurry.
Continue to back load chemicals.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			OFF	OFF	OFF	OFF	OFF
Btm2	84	84	84	84	84	84							

Daily Cost	375,250
Total Cost	151,877,630

MATERIALS REPORT

NO. 84

Well Name NanTro SEIZE Stage.2

DATE 31. Jul. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			45,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			0kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite		7,900t	0kg	
D/Tank #2	Barite			10,500kg	
Bar/Surge #1	Barite			1,000kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite	7,900kg	7,900t	0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 45,000kg	Barite	Barite	Bentonite 0kg	Bentonite 0kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 0kg	Barite 10,500kg	Barite 1,000kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 176,500kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				148,500		176,500	
Kunigel-VO(Bulk)	47,500		157,760			7,900	157,760	375,250	0	
NaOH	150,000		7,225				3,475		3,750	
KOH	330,000		3,300				3,150		150	
Lime	41,600		6,800				3,800		3,000	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950				4,375		575	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400				35,400		8,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		720				270		450	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				1,600		2,700	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 84

DATE 31, Jul, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	61.0KL	61.0KL	1.5KL	
Active #2	Drill water	1.00sg	67.0KL	67.0KL	1.5KL	still mix
Active #3	Drill water	1.00sg	29.2KL	29.2KL	1.5KL	still mix
Active #4	Seawater	1.03sg	32.6KL	32.6KL	1.5KL	
Active #5	Seawater	1.03sg	42.9KL	42.9KL	1.5KL	
Active #6	Drill water	1.00sg	8.4KL	8.4KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	KNPP	1.10sg	7.7KL	7.7KL	0.1KL	for take sumple

Chemical Tank

Unit(kg)

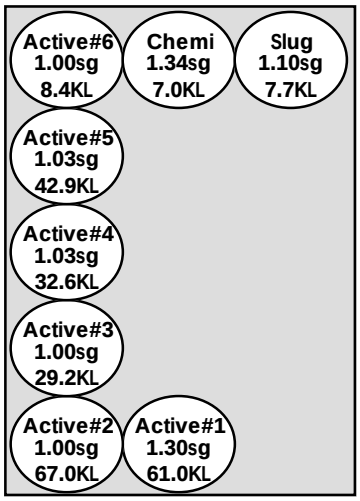
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	45,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	0kg	
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	10,500kg	
Bar/Surge #1	Barite	1,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 176.5 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	137.5KL	137.5KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	156.3KL	156.3KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1327.5 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		148,500	176,500	
Kunigel-VO(Bulk)		157,760	7,900	157,760	0	
NaOH		7,225		3,475	3,750	
KOH		3,300		3,150	150	
Lime		6,800		3,800	3,000	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950		4,375	575	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	8,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		720		270	450	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		4,300		1,600	2,700	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 61.7 ton

Total Weight 1,565.6 ton

Made by : I. Torimoto

Drilling Mud Report(Off Shore)

Telnite

No. 85 | Date 1, August, 2009 | Engineer I. Torimoto

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m, SSL Depth: m

Casing Program		Mud Volume & Bit Data		Pump Data	String Data	Circulation Data (min)
Suface	36 in 2,136.8 m	Riser Vol. (m^3) : 401		Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	20 in 2,786.2 m	CSG Vol. (m^3) :		Pump No.2 (l/st) : 19.45	DC1 Size (in) :	Bottom's Up :
Intermediate	13.375 in 3,624.3 m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) : 461		P/Speed No.2 (spm) :	A/Vel DC1 (ft/min) :	
Production	in m	Pit Vol. (m^3) : 60		P/Speed No.3 (spm) :	A/Vel Rise (ft/min) :	P/ Press (Mpa) :
		Bit Size (inch) :		Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)				Tel-Bar(Bulk)		148,500	
Depth (m)				Kunigel-VO(Bulk)	22,840	180,600	1,084,900
Mud Weight (SG/PPG)				NaOH	525	4,000	78,750
Funnel Viscosity(sec./qt.)				KOH		3,150	
A.V(cps) at / cent.		/		Lime	800	4,600	33,280
P.V(cps)		/		Soda Ash			
Y.V(lb/100ft^2)		/		Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)		/		Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)		/		Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)				XCD Polymer		400	
Cake Thickness(mm)				Xan-Vis		4,375	
pH(-)				NaCl(Bag)		168,000	
Pf(cc)				KCl(Bag)		130,000	
Pm(cc)				Clean Lube(L)		24,600	
Mf(cc)				Clean Lube		35,400	
Cl^-(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL		270	
Solid Content(% Vol.)				Baracor 100			
M.B.C.(cc/cc.mud)				Telnite OS-5			
Temperature(in/out cent.)				Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS	1,360	2,960	1,088,000
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)				Tel-DD		5,200	
k Value(600rpm/300rpm)				Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)		400	
				CaCl2(without water)			
				TAN CAL C			
				TAN CAL M		600	
				TAN CAL F		600	

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm

Well Summary

Carry out vibration test's on thrusters. Transit from NT2-11 to NT2-01.
Pick up 17" BHA MWD assy and B/O and Lay out same.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			OFF	OFF	OFF	OFF	OFF
Btm2													

Dilution mud volume, Lost mud volume and ECD

Mixed 170m3 of pre-hy gel slurry.
Mixed 60m3 of H_2S inhibitor.
Transfer 30m3 of H_2S inhibitor from Act TK to C/S TK.
Continue to back load chemicals.

Daily Cost	2,284,930
Total Cost	154,162,560

MATERIALS REPORT

NO. 85

Well Name NanTro SEIZE Stage.2

DATE 1. Aug. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			45,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite	30,540kg	30,540kg	0kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite	30,540kg	22,840t	7,700kg	
D/Tank #2	Barite			10,500kg	
Bar/Surge #1	Barite			1,000kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite	22,840kg	22,840t	0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 45,000kg	Barite	Barite	Bentonite 0kg	Bentonite 0kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 7,700kg	Barite 10,500kg	Barite 1,000kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 184,200kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				148,500		176,500	
Kunigel-VO(Bulk)	47,500	30,540	188,300			22,840	180,600	1,084,900	7,700	Loadied to 7/31
NaOH	150,000		7,225			525	4,000	78,750	3,225	
KOH	330,000		3,300				3,150		150	
Lime	41,600		6,800			800	4,600	33,280	2,200	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950				4,375		575	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400				35,400		8,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		720				270		450	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		4,300			1,360	2,960	1,088,000	1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 85

DATE 1, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	61.0KL	61.0KL	1.5KL	
Active #2	Pre-hy gel slurry	1.00sg	67.0KL	67.0KL	1.5KL	
Active #3	Pre-hy gel slurry	1.00sg	29.2KL	29.2KL	1.5KL	
Active #4	Seawater	1.03sg	34.0KL	34.0KL	1.5KL	
Active #5	Seawater	1.03sg	33.6KL	33.6KL	1.5KL	
Active #6	inhibitor	1.00sg	32.0KL	32.0KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Empty		0.1KL	0.1KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	170.7KL	170.7KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

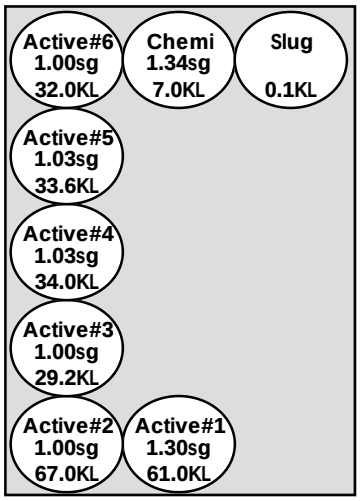
Mud Tank Total WT 1385.2 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	45,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	0kg	
Daily Tank#1	Bentonite	7,700kg	
Daily Tank #2	Barite	10,500kg	
Bar/Surge #1	Barite	1,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 184.2 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		148,500	176,500	
Kunigel-VO(Bulk)	30,540	188,300	22,840	180,600	7,700	Loadied to 7/31
NaOH		7,225	525	4,000	3,225	
KOH		3,300		3,150	150	
Lime		6,800	800	4,600	2,200	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950		4,375	575	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	8,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		720		270	450	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		4,300	1,360	2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 59.0 ton

Total Weight 1,628.4 ton

Made by : I. Torimoto

Drilling Mud Report(Off Shore)

Telnite

No. 86 | Date 2, August, 2009 | Engineer I. Torimoto

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m, SSL Depth: m

Casing Program			Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	in	m	Riser Vol. (m^3) :		Pump No.1 (l/st) :	19.45	DP Size (in) :		Suface to Bit :	
Intermediate	in	m	CSG Vol. (m^3) :		Pump No.2 (l/st) :	19.45	DC1 Size (in) :		Bottom's Up :	
Intermediate	in	m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	
Intermediate	in	m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :		A/Vel DP (ft/min) :		System Total :	
Intermediate	in	m	T/Circ Vol. (m^3) :	60	P/Speed No.2 (spm) :		A/Vel DC1 (ft/min) :			
Production	in	m	Pit Vol. (m^3) :	60	P/Speed No.3 (spm) :		A/Vel Rise (ft/min) :		P/ Press (Mpa) :	
			Bit Size (inch) :		Rate (gal/min) :					

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)				Tel-Bar(Bulk)		148,500	
Depth (m)				Kunigel-VO(Bulk)		180,600	
Mud Weight (SG/PPG)				NaOH		4,000	
Funnel Viscosity(sec./qt.)				KOH		3,150	
A.V(cps) at / cent.		/		Lime		4,600	
P.V(cps)		/		Soda Ash			
Y.V(lb/100ft^2)		/		Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)		/		Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)		/		Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)				XCD Polymer		400	
Cake Thickness(mm)				Xan-Vis		4,375	
pH(-)				NaCl(Bag)		168,000	
Pf(cc)				KCl(Bag)		130,000	
Pm(cc)				Clean Lube(L)		24,600	
Mf(cc)				Clean Lube		35,400	
Cl^-(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL		270	
Solid Content(% Vol.)				Baracor 100			
M.B.C.(cc/cc.mud)				Telnite OS-5			
Temperature(in/out cent.)				Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS		2,960	
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)				Tel-DD		5,200	
k Value(600rpm/300rpm)				Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)		400	
				CaCl2(without water)			
				TAN CAL C			
				TAN CAL M		600	
				TAN CAL F		600	

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm

Well Summary

ROV to deploy transponders. Prepared BHA and schlumberger loaded MWD. Arrive on location, ROV deploy transponders, meanwhile MU Jetting BHA. Prepare working carts for guide horn installation.

Dilution mud volume, Lost mud volume and ECD

Total pre-hy gel slurry: 307.7m3
Transfer 30m3 of H_2S inhibitor from Act TK to C/S TK.
Continue to back load chemicals.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			OFF	OFF	OFF	OFF	OFF
Btm2	84	84	84	84	84	84							

Daily Cost	0
Total Cost	154,162,560

MATERIALS REPORT

NO. 86

Well Name NanTro SEIZE Stage.2

DATE 2. Aug. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			45,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			0kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			7,700kg	
D/Tank #2	Barite		4,600t	5,900kg	
Bar/Surge #1	Barite	2,000kg		3,000kg	
Bar/Surge #2	Barite	2,600kg		2,600kg	
Gel Surge	Bentonite			0kg	

Barite 120,000k	Barite 45,000kg	Barite	Barite	Bentonite 0kg	Bentonite 0kg
Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6

Bentonite 7,700kg	Barite 5,900kg	Barite 3,000kg	Barite 2,600kg	Bentonite 0kg
D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge

Total Bulk Tank W.T. 184,200kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				148,500		176,500	
Kunigel-VO(Bulk)	47,500		188,300				180,600		7,700	
NaOH	150,000		7,225				4,000		3,225	
KOH	330,000		3,300				3,150		150	
Lime	41,600		6,800				4,600		2,200	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950				4,375		575	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400				35,400		8,000	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		720				270		450	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 86

DATE 2, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	61.0KL	61.0KL	1.5KL	
Active #2	Pre-hy gel slurry	1.00sg	67.0KL	67.0KL	1.5KL	
Active #3	Pre-hy gel slurry	1.00sg	70.0KL	70.0KL	1.5KL	
Active #4	Seawater	1.03sg	34.0KL	34.0KL	1.5KL	
Active #5	Seawater	1.03sg	33.6KL	33.6KL	1.5KL	
Active #6	Seawater	1.03sg	10.5KL	10.5KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Empty		0.1KL	0.1KL	0.1KL	

Chemical Tank

Unit(kg)

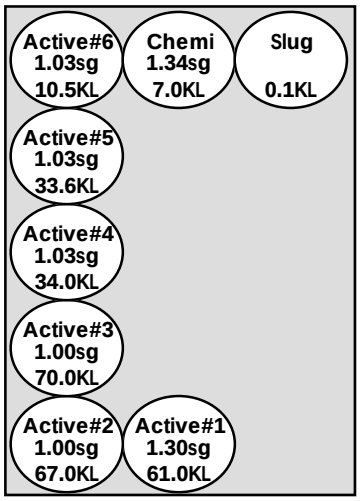
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	45,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	0kg	
Daily Tank#1	Bentonite	7,700kg	
Daily Tank #2	Barite	5,900kg	
Bar/Surge #1	Barite	3,000kg	
Bar/Surge #2	Barite	2,600kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 184.2 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	170.7KL	170.7KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1404.8 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		148,500	176,500	
Kunigel-VO(Bulk)		188,300		180,600	7,700	
NaOH		7,225		4,000	3,225	
KOH		3,300		3,150	150	
Lime		6,800		4,600	2,200	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950		4,375	575	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	8,000	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		720		270	450	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 59.0 ton

Total Weight 1,648.0 ton

Made by : I. Torimoto

Drilling Mud Report(Off Shore)

Telnite

No. 87 | Date 3, August, 2009 | Engineer I. Torimoto

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m, SSL Depth: m

Casing Program			Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	in	m	Riser Vol. (m^3) :		Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	
Intermediate	in	m	CSG Vol. (m^3) :		Pump No.2 (l/st) :	19.45	DC1 Size (in) :	20	Bottom's Up :	
Intermediate	in	m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) :	19.45	DC2 Size (in) :	8.5	Surf to Surf :	
Intermediate	in	m	Disp Vol. (m^3) :		P/Speed No.1 (spm) :		A/Vel DP (ft/min) :		System Total :	
Intermediate	in	m	T/Circ Vol. (m^3) :	60	P/Speed No.2 (spm) :		A/Vel DC1(ft/min) :			
Production	in	m	Pit Vol. (m^3) :	60	P/Speed No.3 (spm) :		A/Vel Rise(ft/min) :		P/ Press(Mpa) :	
			Bit Size (inch) :		Rate (gal/min) :					

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties		
Time (Sampling : Suction)		15:00
Depth (m)		PIT
Mud Weight (SG/PPG)		1.04 8.7
Funnel Viscosity(sec./qt.)		193
A.V(cps) at / cent.		/53.5
P.V(cps)		/ 10
Y.V(lb/100ft^2)		/ 87
10"Gel(lb/100ft^2)		38 /
10'Gel(lb/100ft^2)		38 /
API Filtrate(cc/30min.)		
Cake Thickness(mm)		
pH(-)		11.5
Pf(cc)		
Pm(cc)		
Mf(cc)		
Cl^-(mg/l)		
Sand Content(%)		
Oil Content(% Vol.)		
Solid Content(% Vol.)		
M.B.C.(cc/cc.mud)		
Temperature(in/out cent.)		27
HT-HP Filtrate(cc)		
HT-HP Filtrate Cake(mm)		
K^+(mg/l)		
Ca^{++}/Mg^{++}(mg/l)		
n Value(600rpm/300rpm)		0.14
k Value(600rpm/300rpm)		40.13
LGS/Drill Solids(% Vol.)		

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)	3,000	151,500	123,000
Kunigel-VO(Bulk)	1,300	181,900	61,750
NaOH	325	4,325	48,750
KOH		3,150	
Lime	250	4,850	10,400
Soda Ash			
Tel-Polymer(H)		5,440	
Tel-Polymer(L)		16,820	
Tel-Polymer(DX)		21,160	
XCD Polymer		400	
Xan-Vis		4,375	
NaCl(Bag)		168,000	
KCl(Bag)		130,000	
Clean Lube(L)		24,600	
Clean Lube		35,400	
Tel-Clean			
Lignate NC			
Telnite GXL		270	
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS		2,960	
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		5,200	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
15:00	27	107	97	87	81	47	38

Well Summary

Run 20" CSG. Release RT and POOH, LD. run Jetting assy. Shallow test same at 700 gpm. Complete making up Jetting BHA, it's into casing. RIH 5-3/4" DP.

Dilution mud volume, Lost mud volume and ECD

Mixed 126.8m3 of Seawater gel slurry.
Used -m3 of Seawater gel slurry.
Continue to back load chemicals.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	145	145	145	145	145	145			OFF	OFF	OFF	OFF	OFF
Btm2	84	84	84	84	84	84							

Daily Cost	243,900
Total Cost	154,406,460

MATERIALS REPORT

NO. 87

Well Name NanTro SEIZE Stage.2

DATE 3. Aug. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			45,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			0kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite		1,700t	6,000kg	
D/Tank #2	Barite			5,900kg	
Bar/Surge #1	Barite		3,000t	0kg	
Bar/Surge #2	Barite			2,600kg	
Gel Surge	Bentonite	1,700kg	1,300t	400kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 45,000kg	Barite	Barite	Bentonite 0kg	Bentonite 0kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 6,000kg	Barite 5,900kg	Barite 0kg	Barite 2,600kg	Bentonite 400kg

Total Bulk Tank W.T. 179,900kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000			3,000	151,500	123,000	173,500	
Kunigel-VO(Bulk)	47,500		188,300			1,300	181,900	61,750	6,400	
NaOH	150,000		7,225			325	4,325	48,750	2,900	
KOH	330,000		3,300				3,150		150	
Lime	41,600		6,800			250	4,850	10,400	1,950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950				4,375		575	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400	3,200	3,200		35,400		4,800	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		720				270		450	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 87

DATE 3, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.12sg	61.0KL	61.0KL	1.5KL	Still cond mud
Active #2	Seawater	1.03sg	8.5KL	8.5KL	1.5KL	for line clean
Active #3	Pre-hy gel slurry	1.00sg	70.0KL	70.0KL	1.5KL	
Active #4	Seawater gel slurry	1.03sg	64.6KL	64.6KL	1.5KL	
Active #5	Seawater gel slurry.	1.03sg	63.4KL	63.4KL	1.5KL	
Active #6	Seawater	1.03sg	10.5KL	10.5KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Kill mud	1.30sg	23.1KL	23.1KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	170.7KL	170.7KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

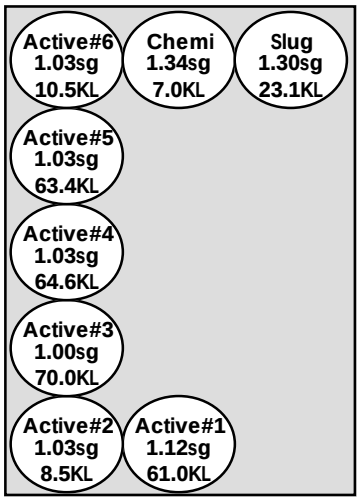
Mud Tank Total WT 1427.8 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	45,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	0kg	
Daily Tank#1	Bentonite	6,000kg	
Daily Tank #2	Barite	5,900kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	2,600kg	
Gel/Surge #2	Bentonite	400kg	

Chemical Tank Total WT 179.9 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000	3,000	151,500	173,500	
Kunigel-VO(Bulk)		188,300	1,300	181,900	6,400	
NaOH		7,225	325	4,325	2,900	
KOH		3,300		3,150	150	
Lime		6,800	250	4,850	1,950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950		4,375	575	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	4,800	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		720		270	450	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 55.2 ton

Total Weight 1,662.9 ton

Made by : I. Torimoto

Drilling Mud Report(Off Shore)

Telnite

No. 88 | Date 4, August, 2009 | Engineer I. Torimoto

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m, SSL Depth: m

Casing Program			Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	in	m	Riser Vol. (m^3) :	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	in	m	CSG Vol. (m^3) :	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 20	Bottom's Up :
Intermediate	in	m	B/Hole Vol. (m^3) :	Pump No.3 (l/st) : 19.45	DC2 Size (in) : 8.5	Surf to Surf :
Intermediate	in	m	Disp Vol. (m^3) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in	m	T/Circ Vol. (m^3) :	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in	m	Pit Vol. (m^3) :	P/Speed No.3 (spm) :	A/Vel Rise(ft/min) :	P/ Press(Mpa) :
			Bit Size (inch) :	Rate (gal/min) :		

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties						
Time (Sampling : Suction)			15:00			
Depth (m)			PIT			
Mud Weight (SG/PPG)			1.04	8.7		
Funnel Viscosity(sec./qt.)			193			
A.V(cps) at / cent.			/ 50			
P.V(cps)			/ 9			
Y.V(lb/100ft^2)			/ 82			
10"Gel(lb/100ft^2)			/ 32			
10'Gel(lb/100ft^2)			/ 32			
API Filtrate(cc/30min.)						
Cake Thickness(mm)						
pH(-)			11.5			
Pf(cc)						
Pm(cc)						
Mf(cc)						
Cl^-(mg/l)						
Sand Content(%)						
Oil Content(% Vol.)						
Solid Content(% Vol.)						
M.B.C.(cc/cc.mud)						
Temperature(in/out cent.)						
HT-HP Filtrate(cc)						
HT-HP Filtrate Cake(mm)						
K^+(mg/l)						
Ca^{++}/Mg^{++}(mg/l)						
n Value(600rpm/300rpm)			0.14			
k Value(600rpm/300rpm)			38.96			
LGS/Drill Solids(% Vol.)						

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)	24,600	176,100	1,008,600
Kunigel-VO(Bulk)		181,900	
NaOH		4,325	
KOH		3,150	
Lime		4,850	
Soda Ash			
Tel-Polymer(H)		5,440	
Tel-Polymer(L)		16,820	
Tel-Polymer(DX)		21,160	
XCD Polymer		400	
Xan-Vis		4,375	
NaCl(Bag)		168,000	
KCl(Bag)		130,000	
Clean Lube(L)		24,600	
Clean Lube		35,400	
Tel-Clean			
Lignate NC			
Telnite GXL		270	
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS		2,960	
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		5,200	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
15:00		100	91	78	72	41	32

Well Summary

Move rig to location with 0.7 knot. Advanced 0.8m miles. Continue drifting vessel to well location. Preparing casing for running.

Dilution mud volume, Lost mud volume and ECD

Mixed -m3 of Seawater gel slurry.
Used -m3 of Seawater gel slurry.
Continue to back load chemicals.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top													
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Daily Cost	1,008,600
Total Cost	155,415,060

MATERIALS REPORT

NO. 88

Well Name NanTro SEIZE Stage.2

DATE 4. Aug. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite		22,000kg	23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			0kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			6,000kg	
D/Tank #2	Barite	22,000kg	22,300t	5,600kg	
Bar/Surge #1	Barite	22,300kg	22,000t	300kg	
Bar/Surge #2	Barite		2,600t	0kg	
Gel Surge	Bentonite			400kg	

Barite 120,000k	Barite 23,000kg	Barite	Barite	Bentonite 0kg	Bentonite 0kg
Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6

Bentonite 6,000kg	Barite 5,600kg	Barite 300kg	Barite 0kg	Bentonite 400kg
D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge

Total Bulk Tank W.T. 155,300kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000			24,600	176,100	1,008,600	148,900	
Kunigel-VO(Bulk)	47,500		188,300				181,900		6,400	
NaOH	150,000		7,225				4,325		2,900	
KOH	330,000		3,300				3,150		150	
Lime	41,600		6,800				4,850		1,950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				400		1,000	
Xan-Vis	2,500,000		4,950				4,375		575	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400		3,200		35,400		4,800	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		720				270		450	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 88

DATE 4, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	22.3KL	22.3KL	1.5KL	Still cond mud
Active #2	Seawater	1.03sg	75.3KL	75.3KL	1.5KL	
Active #3	Pre-hy gel slurry	1.00sg	70.0KL	70.0KL	1.5KL	
Active #4	Seawater gel slurry	1.03sg	64.6KL	64.6KL	1.5KL	
Active #5	Seawater gel slurry.	1.03sg	63.4KL	63.4KL	1.5KL	
Active #6	Kill mud	1.30sg	49.3KL	49.3KL	1.5KL	Still cond mud
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Kill mud	1.30sg	23.1KL	23.1KL	0.1KL	

Chemical Tank

Unit(kg)

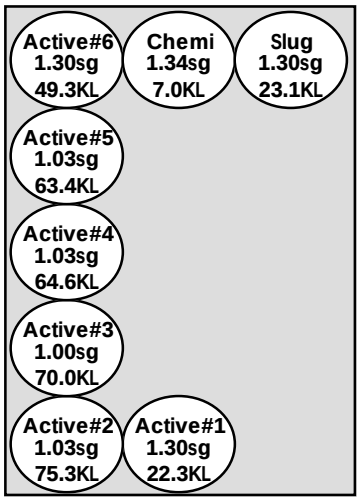
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	0kg	
Daily Tank#1	Bentonite	6,000kg	
Daily Tank #2	Barite	5,600kg	
Bar/Surge #1	Barite	300kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	400kg	

Chemical Tank Total WT 155.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	170.7KL	170.7KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1510.6 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000	24,600	176,100	148,900	
Kunigel-VO(Bulk)		188,300		181,900	6,400	
NaOH		7,225		4,325	2,900	
KOH		3,300		3,150	150	
Lime		6,800		4,850	1,950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		400	1,000	
Xan-Vis		4,950		4,375	575	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	4,800	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		720		270	450	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 55.2 ton

Total Weight 1,721.1 ton

Made by : I. Torimoto

Drilling Mud Report(Off Shore)

Telnite

No. 90 | Date 6, August, 2009 | Engineer I. Torimoto

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) 2,565.7 m | BRT Depth: 2,594.0 m , SSL Depth: 41.0 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	20 in 2,594.0 m	Riser Vol. (m^3) :		Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	
Intermediate	in m	CSG Vol. (m^3) :	7	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8	Bottom's Up :	
Intermediate	in m	B/Hole Vol. (m^3) :		Pump No.3 (l/st) :	19.45	DC2 Size (in) :	8.5	Surf to Surf :	
Intermediate	in m	Disp Vol. (m^3) :	1	P/Speed No.1 (spm) :		A/Vel DP (ft/min) :		System Total :	
Intermediate	in m	T/Circ Vol. (m^3) :	34	P/Speed No.2 (spm) :		A/Vel DC1 (ft/min) :			
Production	in m	Pit Vol. (m^3) :		P/Speed No.3 (spm) :		A/Vel Rise (ft/min) :		P/ Press (Mpa) :	
		Bit Size (inch) :		Rate (gal/min) :					

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	15:00	Tel-Bar(Bulk)		176,100	
Depth (m)	PIT	Kunigel-VO(Bulk)		181,900	
Mud Weight (SG/PPG)	1.04 8.7	NaOH		4,350	
Funnel Viscosity(sec./qt.)	183	KOH		3,150	
A.V(cps) at / cent.	/52.5	Lime		4,850	
P.V(cps)	/ 12	Soda Ash			
Y.V(lb/100ft^2)	/ 81	Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)	/ 31	Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)	/ 31	Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)		XCD Polymer		425	
Cake Thickness(mm)		Xan-Vis		4,375	
pH(-)	11.3	NaCl(Bag)		168,000	
Pf(cc)		KCl(Bag)		130,000	
Pm(cc)		Clean Lube(L)		24,600	
Mf(cc)		Clean Lube		35,400	
Cl^-(mg/l)		Tel-Clean			
Sand Content(%)		Lignate NC			
Oil Content(% Vol.)		Telnite GXL		270	
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)		Telnite OS-5			
Temperature(in/out cent.)	27	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS		2,960	
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)		Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)		Speeder(X)			
n Value(600rpm/300rpm)	0.18	Tel-DD		5,200	
k Value(600rpm/300rpm)	31.22	Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)		400	
		CaCl2(without water)			
		TAN CAL C			
		TAN CAL M		600	
		TAN CAL F		600	

VG METER READING													
Time	Temp		600rpm		300rpm		200rpm		100rpm		6rpm		3rpm
15:00	27		105		93		67		61		33		31

Well Summary

Install Guide Horn. Attempt to install Guide Horn Wear Bushing. But, unable to pass bottom hinge. Make up 12-1/4" BHA. RIH to 980m.

Dilution mud volume, Lost mud volume and ECD

Mixed -m3 of Seawater gel slurry.
Used -m3 of Seawater gel slurry.
Continue to back load chemicals.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top													
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Daily Cost	0
Total Cost	155,481,310

MATERIALS REPORT

NO. 90

Well Name NanTro SEIZE Stage.2

DATE 6. Aug. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			0kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			6,000kg	
D/Tank #2	Barite			5,600kg	
Bar/Surge #1	Barite			300kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			400kg	

Barite 120,000k	Barite 23,000kg	Barite	Barite	Bentonite 0kg	Bentonite 0kg
Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6

Bentonite 6,000kg	Barite 5,600kg	Barite 300kg	Barite 0kg	Bentonite 400kg
D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge

Total Bulk Tank W.T. 155,300kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				176,100		148,900	
Kunigel-VO(Bulk)	47,500		188,300				181,900		6,400	
NaOH	150,000		7,225				4,350		2,875	
KOH	330,000		3,300				3,150		150	
Lime	41,600		6,800				4,850		1,950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				425		975	
Xan-Vis	2,500,000		4,950				4,375		575	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400		3,200		35,400		4,800	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		720				270		450	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 90

DATE 6, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	72.4KL	72.4KL	1.5KL	
Active #2	Seawater	1.03sg	2.0KL	2.0KL	1.5KL	
Active #3	Pre-hy gel slurry	1.00sg	70.0KL	70.0KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	64.6KL	64.6KL	1.5KL	
Active #5	Seawater gel slurry.	1.04sg	63.4KL	63.4KL	1.5KL	
Active #6	Seawater	1.30sg	52.7KL	52.7KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Kill mud	1.30sg	19.0KL	19.0KL	0.1KL	

Chemical Tank

Unit(kg)

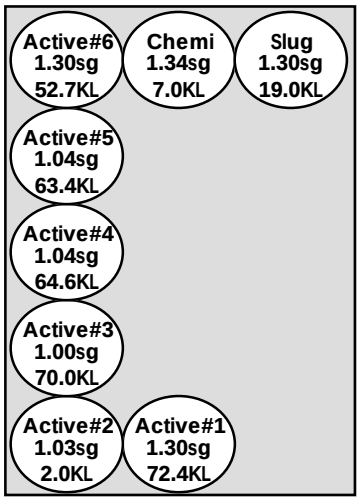
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	0kg	
Daily Tank#1	Bentonite	6,000kg	
Daily Tank #2	Barite	5,600kg	
Bar/Surge #1	Barite	300kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	400kg	

Chemical Tank Total WT 155.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	162.0KL	162.0KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	170.7KL	170.7KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1500.6 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		176,100	148,900	
Kunigel-VO(Bulk)		188,300		181,900	6,400	
NaOH		7,225		4,350	2,875	
KOH		3,300		3,150	150	
Lime		6,800		4,850	1,950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		425	975	
Xan-Vis		4,950		4,375	575	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	4,800	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		720		270	450	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 55.1 ton

Total Weight 1,711.0 ton

Made by : I. Torimoto

Drilling Mud Report(Off Shore)

Telnite

No. 91 | Date 7, August, 2009 | Engineer I. Torimoto

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) 2,699.7 m | BRT Depth: 2,728.0 m , SSL Depth: 175.0 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	20 in 2,594.0 m	Riser Vol. (m^3) :		Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	10
Intermediate	in m	CSG Vol. (m^3) :	7	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8	Bottom's Up :	4
Intermediate	in m	B/Hole Vol. (m^3) :	10	Pump No.3 (l/st) :	19.45	DC2 Size (in) :	8.5	Surf to Surf :	14
Intermediate	in m	Disp Vol. (m^3) :	5	P/Speed No.1 (spm) :	80	A/Vel DP (ft/min) :			
Intermediate	in m	T/Circ Vol. (m^3) :	42	P/Speed No.2 (spm) :		A/Vel DC1 (ft/min) :	227	System Total :	
Production	in m	Pit Vol. (m^3) :		P/Speed No.3 (spm) :	80	A/Vel Rise (ft/min) :		P/ Press (Mpa) :	14
		Bit Size (inch) :		Rate (gal/min) :	798				

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	13:00	16:40	Tel-Bar(Bulk)		176,100	
Depth (m)	2594	2632	Kunigel-VO(Bulk)		181,900	
Mud Weight (SG/PPG)	1.04 8.7	1.04 8.7	NaOH		4,350	
Funnel Viscosity(sec./qt.)	167	142	KOH		3,150	
A.V(cps) at / cent.	48.5	/ 44	Lime		4,850	
P.V(cps)	13	/ 11	Soda Ash			
Y.V(lb/100ft^2)	71	/ 66	Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)	25	/ 21	Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)	25	/ 21	Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)			XCD Polymer		425	
Cake Thickness(mm)			Xan-Vis		4,375	
pH(-)	10.8	10.7	NaCl(Bag)		168,000	
Pf(cc)			KCl(Bag)		130,000	
Pm(cc)			Clean Lube(L)		24,600	
Mf(cc)			Clean Lube		35,400	
Cl^-(mg/l)			Tel-Clean			
Sand Content(%)			Lignate NC			
Oil Content(% Vol.)			Telnite GXL		270	
Solid Content(% Vol.)			Baracor 100			
M.B.C.(cc/cc.mud)			Telnite OS-5			
Temperature(in/out cent.)	29	29	Bi-Carbonate			
HT-HP Filtrate(cc)			Treat HS		2,960	
HT-HP Filtrate Cake(mm)			EZ Spot			
K^+(mg/l)			Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)			Speeder(X)			
n Value(600rpm/300rpm)	0.21	0.19	Tel-DD		5,200	
k Value(600rpm/300rpm)	23.03	23.17	Deformer No.30C			
LGS/Drill Solids(% Vol.)			Tel-Stop(G)			
			Tel-Stop(P)			
			Tel-Mica(C)			
			Tel-Mica(M)			
			Tel-Mica(F)			
			Tel-Plug(C)			
			Tel-Plug(M)			
			Tel-Plug(F)		400	
			CaCl2(without water)			
			TAN CAL C			
			TAN CAL M		600	
			TAN CAL F		600	

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
13:00		97	84	62	51	27	25
16:40	29	88	77	50	29	25	21

Well Summary

RIH 12-1/4" drilling assy to 1700 m. Move vessel to ROV jumping point. Drill 12 1/4" Hole f/2,593 t/2,690m. Re-log hole section f/2,648 t/2656m. Continue Drill 12-1/4" Hole f/2,690 t/2728m.

Dilution mud volume, Lost mud volume and ECD

Mixed -m3 of Seawater gel slurry.
Used 42.9m3 of Seawater gel slurry.
Equivalent circulation density (PP160spm) :1.049sg(@shoe), 1.052sg(@2,728mBRT)
Continue to back load chemicals.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top													
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Daily Cost	0
Total Cost	155,481,310

MATERIALS REPORT

NO. 90

Well Name NanTro SEIZE Stage.2

DATE 6. Aug. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			0kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			6,000kg	
D/Tank #2	Barite			5,600kg	
Bar/Surge #1	Barite			300kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			400kg	

Barite 120,000k	Barite 23,000kg	Barite	Barite	Bentonite 0kg	Bentonite 0kg
Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6

Bentonite 6,000kg	Barite 5,600kg	Barite 300kg	Barite 0kg	Bentonite 400kg
D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge

Total Bulk Tank W.T. 155,300kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				176,100		148,900	
Kunigel-VO(Bulk)	47,500		188,300				181,900		6,400	
NaOH	150,000		7,225				4,350		2,875	
KOH	330,000		3,300				3,150		150	
Lime	41,600		6,800				4,850		1,950	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				425		975	
Xan-Vis	2,500,000		4,950				4,375		575	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400		3,200		35,400		4,800	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		720				270		450	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 91

DATE 7, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	72.4KL	72.4KL	1.5KL	
Active #2	Seawater	1.03sg	2.0KL	2.0KL	1.5KL	
Active #3	Pre-hy gel slurry	1.00sg	70.0KL	70.0KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	64.6KL	64.6KL	1.5KL	
Active #5	Seawater gel slurry.	1.04sg	22.0KL	22.0KL	1.5KL	
Active #6	Seawater	1.30sg	57.0KL	57.0KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Drill Water	1.00sg	7.8KL	7.8KL	0.1KL	For Mud push

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	174.6KL	174.6KL	3.8KL	from slug TK
Reserve #2	Pre-hy gel slurry	1.05sg	170.7KL	170.7KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

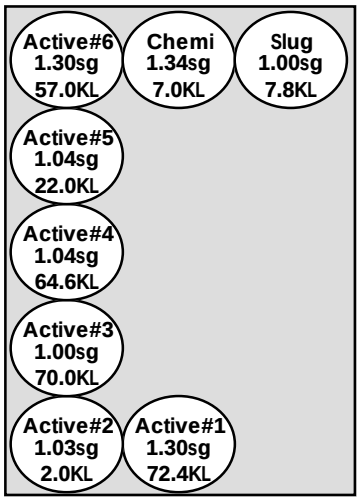
Mud Tank Total WT 1462.6 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	0kg	
Daily Tank#1	Bentonite	6,000kg	
Daily Tank #2	Barite	5,600kg	
Bar/Surge #1	Barite	300kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	400kg	

Chemical Tank Total WT 155.3 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		176,100	148,900	
Kunigel-VO(Bulk)		188,300		181,900	6,400	
NaOH		7,225		4,350	2,875	
KOH		3,300		3,150	150	
Lime		6,800		4,850	1,950	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		425	975	
Xan-Vis		4,950		4,375	575	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	4,800	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		720		270	450	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 55.1 ton

Total Weight 1,673.0 ton

Made by : I. Torimoto

Drilling Mud Report(Off Shore)

Telnite

No. 93 | Date 9, August, 2009 | Engineer I. Torimoto

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) 3,005.7 m | BRT Depth: 3,034.0 m , SSL Depth: 481.9 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	20 in 2,594.0 m	Riser Vol. (m^3) :		Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	12
Intermediate	in m	CSG Vol. (m^3) :	7	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8	Bottom's Up :	13
Intermediate	in m	B/Hole Vol. (m^3) :	33	Pump No.3 (l/st) :	19.45	DC2 Size (in) :	8.5	Surf to Surf :	25
Intermediate	in m	Disp Vol. (m^3) :	6	P/Speed No.1 (spm) :	70	A/Vel DP (ft/min) :	143		
Intermediate	in m	T/Circ Vol. (m^3) :	67	P/Speed No.2 (spm) :		A/Vel DC1 (ft/min) :	199	System Total :	
Production	in m	Pit Vol. (m^3) :		P/Speed No.3 (spm) :	70	A/Vel Rise (ft/min) :		P/ Press (Mpa) :	10.9
		Bit Size (inch) :		Rate (gal/min) :	698				

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	22:00	Tel-Bar(Bulk)		176,100	
Depth (m)	2906	Kunigel-VO(Bulk)		181,900	
Mud Weight (SG/PPG)	1.04 8.7	NaOH		4,650	
Funnel Viscosity(sec./qt.)	133	KOH		3,150	
A.V(cps) at / cent.	/40.5	Lime		5,150	
P.V(cps)	/ 15	Soda Ash			
Y.V(lb/100ft^2)	/ 51	Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)	/ 42	Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)	/ 44	Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)		XCD Polymer		425	
Cake Thickness(mm)		Xan-Vis		4,375	
pH(-)		NaCl(Bag)		168,000	
Pf(cc)	10.4	KCl(Bag)		130,000	
Pm(cc)		Clean Lube(L)		24,600	
Mf(cc)		Clean Lube		35,400	
Cl^-(mg/l)		Tel-Clean			
Sand Content(%)		Lignate NC			
Oil Content(% Vol.)		Telnite GXL		270	
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)		Telnite OS-5			
Temperature(in/out cent.)	29	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS		2,960	
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)		Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)		Speeder(X)			
n Value(600rpm/300rpm)	0.30	Tel-DD		5,200	
k Value(600rpm/300rpm)	10.46	Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)		400	
		CaCl2(without water)			
		TAN CAL C			
		TAN CAL M		600	
		TAN CAL F		600	

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
22:00	29	81	66	44	41	40	39

Well Summary

Work on DW air compressor. Circulate and clean hole. Pack off and stuck pipe @2,925m. Ream f/2,885 t/2,928m. Pump and sweep out 5 m3 hi-vis @2,900m. Observe pressure increase and stall pipe. Free pipe. Drill 12-1/4" Hole to 3,034m. Sweeping hole with 2 m3 every joint. Pump 2m3 Hi vis sweep and circulate. Moving vessel away from proposed Typhoon path.

Dilution mud volume, Lost mud volume and ECD

Mixed -m3 of Seawater gel slurry.
Used 44.5m3 of Seawater gel slurry.
Equivalent circulation density (PP140spm) :1.040sg(@shoe), 1.044sg(@3,034mBRT)

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top													
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Daily Cost	0
Total Cost	155,538,790

MATERIALS REPORT

NO. 93

Well Name NanTro SEIZE Stage.2

DATE 9. Aug. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			0kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			6,000kg	
D/Tank #2	Barite			5,600kg	
Bar/Surge #1	Barite			300kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			400kg	

Barite 120,000k	Barite 23,000kg	Barite	Barite	Bentonite 0kg	Bentonite 0kg
Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6

Bentonite 6,000kg	Barite 5,600kg	Barite 300kg	Barite 0kg	Bentonite 400kg
D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge

Total Bulk Tank W.T. 155,300kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				176,100		148,900	
Kunigel-VO(Bulk)	47,500		188,300				181,900		6,400	
NaOH	150,000		7,225				4,650		2,575	
KOH	330,000		3,300				3,150		150	
Lime	41,600		6,800				5,150		1,650	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				425		975	
Xan-Vis	2,500,000		4,950				4,375		575	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400		3,200		35,400		4,800	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		720				270		450	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

Telnite

BALLAST REPORT(Off Shore)

NO. 93

DATE 9, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	72.4KL	72.4KL	1.5KL	
Active #2	Seawater	1.03sg	2.0KL	2.0KL	1.5KL	
Active #3	Pre-hy gel slurry	1.00sg	32.0KL	32.0KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	14.7KL	14.7KL	1.5KL	
Active #5	Seawater gel slurry.	1.04sg	69.7KL	69.7KL	1.5KL	
Active #6	Seawater	1.30sg	38.4KL	38.4KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Drill Water	1.00sg	7.8KL	7.8KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	174.6KL	174.6KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	100.0KL	100.0KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

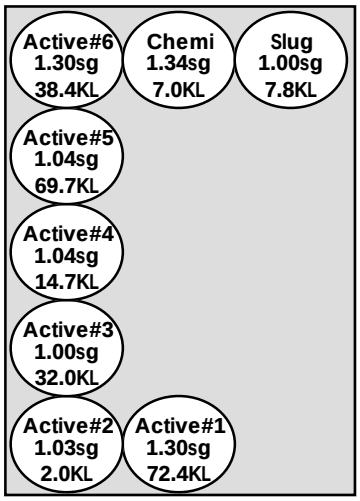
Mud Tank Total WT 1323.9 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	0kg	
Daily Tank#1	Bentonite	6,000kg	
Daily Tank #2	Barite	5,600kg	
Bar/Surge #1	Barite	300kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	400kg	

Chemical Tank Total WT 155.3 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		176,100	148,900	
Kunigel-VO(Bulk)		188,300		181,900	6,400	
NaOH		7,225		4,650	2,575	
KOH		3,300		3,150	150	
Lime		6,800		5,150	1,650	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		425	975	
Xan-Vis		4,950		4,375	575	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	4,800	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		720		270	450	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 54.5 ton

Total Weight 1,533.7 ton

Made by : I. Torimoto

Drilling Mud Report(Off Shore)

Telnite

No. 94 | Date 10, August, 2009 | Engineer I. Torimoto

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) 3,005.7 m | BRT Depth: 3,034.0 m , SSL Depth: 481.9 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	20 in 2,594.0 m	Riser Vol. (m^3) :		Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	
Intermediate	in m	CSG Vol. (m^3) :	7	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8	Bottom's Up :	
Intermediate	in m	B/Hole Vol. (m^3) :	33	Pump No.3 (l/st) :	19.45	DC2 Size (in) :	8.5	Surf to Surf :	
Intermediate	in m	Disp Vol. (m^3) :	6	P/Speed No.1 (spm) :		A/Vel DP (ft/min) :		System Total :	
Intermediate	in m	T/Circ Vol. (m^3) :	67	P/Speed No.2 (spm) :		A/Vel DC1(ft/min) :			
Production	in m	Pit Vol. (m^3) :		P/Speed No.3 (spm) :		A/Vel Rise(ft/min) :		P/ Press(Mpa) :	10.9
		Bit Size (inch) :		Rate (gal/min) :					

Mud Type: KCl-NaCl/Polymer/PPG

Mud Properties		
Time (Sampling : Suction)		16:00
Depth (m)		PIT
Mud Weight (SG/PPG)		1.04 8.7
Funnel Viscosity(sec./qt.)		122
A.V(cps) at / cent.		/ 36
P.V(cps)		/ 13
Y.V(lb/100ft^2)		/ 46
10"Gel(lb/100ft^2)		/ 37
10'Gel(lb/100ft^2)		/ 37
API Filtrate(cc/30min.)		
Cake Thickness(mm)		
pH(-)		10.2
Pf(cc)		
Pm(cc)		
Mf(cc)		
Cl^-(mg/l)		
Sand Content(%)		
Oil Content(% Vol.)		
Solid Content(% Vol.)		
M.B.C.(cc/cc.mud)		
Temperature(in/out cent.)		29
HT-HP Filtrate(cc)		
HT-HP Filtrate Cake(mm)		
K^+(mg/l)		
Ca^{++}/Mg^{++}(mg/l)		
n Value(600rpm/300rpm)		0.29
k Value(600rpm/300rpm)		9.84
LGS/Drill Solids(% Vol.)		

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		176,100	
Kunigel-VO(Bulk)		181,900	
NaOH		4,650	
KOH		3,150	
Lime		5,150	
Soda Ash			
Tel-Polymer(H)		5,440	
Tel-Polymer(L)		16,820	
Tel-Polymer(DX)		21,160	
XCD Polymer		425	
Xan-Vis		4,375	
NaCl(Bag)		168,000	
KCl(Bag)		130,000	
Clean Lube(L)		24,600	
Clean Lube		35,400	
Tel-Clean			
Lignate NC			
Telnite GXL		270	
Baracor 100			
Telnite OS-5			
Bi-Carbonate			
Treat HS		2,960	
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		5,200	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
16:00	29	72	59	46	42	38	35

Well Summary

Prepare for handling 3-1/2" tubing for sensor dummy run. Make up stinger, Bumper and casing hanger assy's.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top							#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Dilution mud volume, Lost mud volume and ECD

Today mixed -m3 of Seawater gel slurry (Toatal mixed volume:309.8m3).
Today mixed -m3 of treated sea water (Toatal mixed volume:140.6m3).
Today used -m3 of Seawater gel slurry (Toatal used volume:228.7m3).
Amount of use expectation PHB:40m3(for reach TD spot, need make SWG).

Daily Cost	0
Total Cost	155,538,790

MATERIALS REPORT

NO. 94

Well Name NanTro SEIZE Stage.2

DATE 10. Aug. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite	30,500kg		30,500kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			6,000kg	
D/Tank #2	Barite			5,600kg	
Bar/Surge #1	Barite			300kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			400kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 23,000kg	Barite	Barite	Bentonite 0kg	Bentonite 30,500kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 6,000kg	Barite 5,600kg	Barite 300kg	Barite 0kg	Bentonite 400kg

Total Bulk Tank W.T. 185,800kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				176,100		148,900	
Kunigel-VO(Bulk)	47,500	30,500	218,800				181,900		36,900	
NaOH	150,000		7,225				4,650		2,575	
KOH	330,000		3,300				3,150		150	
Lime	41,600		6,800				5,150		1,650	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				425		975	
Xan-Vis	2,500,000		4,950				4,375		575	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600				24,600		5,000	
Clean Lube	550,000		43,400		3,200		35,400		4,800	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		720				270		450	
Baracor 100	92,000									
Telnite OS-5	3,000,000									
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800				5,200		600	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000						1,000	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	

BALLAST REPORT(Off Shore)

NO. 94

DATE 10, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	72.4KL	72.4KL	1.5KL	
Active #2	Seawater	1.03sg	2.0KL	2.0KL	1.5KL	
Active #3	Pre-hy gel slurry	1.00sg	32.0KL	32.0KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	14.7KL	14.7KL	1.5KL	
Active #5	Seawater gel slurry.	1.04sg	69.7KL	69.7KL	1.5KL	
Active #6	Seawater	1.30sg	20.1KL	20.1KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Drill Water	1.00sg	7.8KL	7.8KL	0.1KL	

Chemical Tank

Unit(kg)

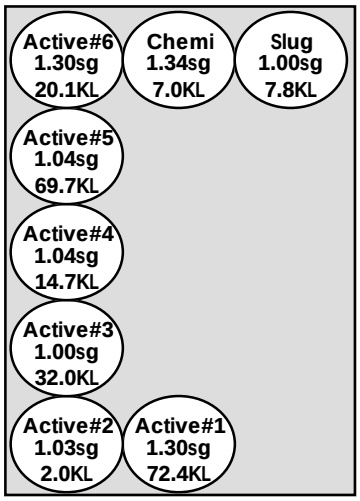
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	30,500kg	
Daily Tank#1	Bentonite	6,000kg	
Daily Tank #2	Barite	5,600kg	
Bar/Surge #1	Barite	300kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	400kg	

Chemical Tank Total WT 185.8 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	174.6KL	174.6KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	100.0KL	100.0KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1300.1 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		176,100	148,900	
Kunigel-VO(Bulk)	30,500	218,800		181,900	36,900	
NaOH		7,225		4,650	2,575	
KOH		3,300		3,150	150	
Lime		6,800		5,150	1,650	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		425	975	
Xan-Vis		4,950		4,375	575	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	5,000	
Clean Lube		43,400		35,400	4,800	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		720		270	450	
Baracor 100						
Telnite OS-5						
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	600	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			1,000	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 54.5 ton

Total Weight 1,540.4 ton

Made by : I. Torimoto

Drilling Mud Report(Off Shore)

Telnite

No. 96 | Date 12, August, 2009 | Engineer I. Torimoto

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) 3,079.0 m | BRT Depth: 3,107.3 m , SSL Depth: 555.2 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	20 in 2,594.0 m	Riser Vol. (m^3) :		Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	13
Intermediate	in m	CSG Vol. (m^3) :	7	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8	Bottom's Up :	15
Intermediate	in m	B/Hole Vol. (m^3) :	39	Pump No.3 (l/st) :	19.45	DC2 Size (in) :	8.5	Surf to Surf :	28
Intermediate	in m	Disp Vol. (m^3) :	6	P/Speed No.1 (spm) :	70	A/Vel DP (ft/min) :	143		
Intermediate	in m	T/Circ Vol. (m^3) :	73	P/Speed No.2 (spm) :	70	A/Vel DC1 (ft/min) :	199	System Total :	
Production	in m	Pit Vol. (m^3) :		P/Speed No.3 (spm) :		A/Vel Rise (ft/min) :		P/ Press(Mpa) :	12
		Bit Size (inch) :		Rate (gal/min) :	698				

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	13:45	18:00		Tel-Bar(Bulk)		176,100	
Depth (m)	3052	3107		Kunigel-VO(Bulk)		181,900	
Mud Weight (SG/PPG)	1.04 8.7	1.04 8.7		NaOH	125	4,775	18,750
Funnel Viscosity(sec./qt.)	97	124		KOH		3,150	
A.V(cps) at / cent.	31.5	/ 37		Lime	100	5,250	4,160
P.V(cps)	17	/ 13		Soda Ash			
Y.V(lb/100ft^2)	29	/ 48		Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)	25	/ 34		Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)	26	/ 37		Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)				XCD Polymer	25	450	62,500
Cake Thickness(mm)				Xan-Vis		4,375	
pH(-)	9.8	10.6		NaCl(Bag)		168,000	
Pf(cc)				KCl(Bag)		130,000	
Pm(cc)				Clean Lube(L)		24,600	
Mf(cc)				Clean Lube		35,400	
Cl^-(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL		270	
Solid Content(% Vol.)				Baracor 100			
M.B.C.(cc/cc.mud)				Telnite OS-5			
Temperature(in/out cent.)	28	28		Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS		2,960	
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)	0.45	0.28		Tel-DD		5,200	
k Value(600rpm/300rpm)	2.72	10.73		Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)		400	
				CaCl2(without water)			
				TAN CAL C			
				TAN CAL M		600	
				TAN CAL F		600	
				Rester			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
13:45		63	46	31	26	25	23
18:00	28	74	61	44	38	32	32

Well Summary

RIH to 2,841m. Ream down f/2,841 to 2,898m. MWD Log f/2,900 t/2,972m. Drilled12-1/4" hole to 3,107m. Spot Hi-vis 12m3 on BTM. Wiper trip f/3,107 t/2,907m. RIH to 2,965m.

When RIH gage or trip ass'y, bad hole condition to SWG making to ratio of PHB and SW is changed. SWG is ratio PHB:SW of 50:50 to naw, cange ratio PHB:SW to 70:30(for cuttings removal efficiency up), and flash voleme changed f/2m3 t/10m3.

Dilution mud volume, Lost mud volume and ECD

Today mixed 54.5m3 of Seawater gel slurry (Toatal mixed volume:364.3m3).
Today mixed 24m3 of treated sea water (Toatal mixed volume:164.6m3).
Today used 55.9m3 of Seawater gel slurry (Toatal used volume:284.6m3).
Equivalent circulation density (PP140spm) :1.040sg(@shoe), 1.044sg(@3,107mBRT)
Sweep hole 2m3 SWG every joint drilled.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top													
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Daily Cost	85,410
Total Cost	155,624,200

MATERIALS REPORT

NO. 96

Well Name NanTro SEIZE Stage.2

DATE 12. Aug. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			30,500kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			6,000kg	
D/Tank #2	Barite			5,600kg	
Bar/Surge #1	Barite			300kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			400kg	

Barite 120,000k	Barite 23,000kg	Barite	Barite	Bentonite 0kg	Bentonite 30,500kg
Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6

Bentonite 6,000kg	Barite 5,600kg	Barite 300kg	Barite 0kg	Bentonite 400kg
D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge

Total Bulk Tank W.T. 185,800kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				176,100		148,900	
Kunigel-VO(Bulk)	47,500		218,800				181,900		36,900	
NaOH	150,000		9,475			125	4,775	18,750	4,700	
KOH	330,000		3,300				3,150		150	
Lime	41,600		10,800			100	5,250	4,160	5,550	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400			25	450	62,500	950	
Xan-Vis	2,500,000		4,950				4,375		575	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600	5,000	5,000		24,600		0	B/Loaded 8/10
Clean Lube	550,000		43,400	4,800	8,000		35,400		0	B/Loaded 8/10
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		720				270		450	
Baracor 100	92,000		220						220	
Telnite OS-5	3,000,000		375						375	
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800	600	600		5,200		0	B/Loaded 8/10
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000	1,000	1,000				0	B/Loaded 8/10
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	
Rester	528,000	8,000	8,000						8,000	

BALLAST REPORT(Off Shore)

NO. 96

DATE 12, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.30sg	72.4KL	72.4KL	1.5KL	
Active #2	EMPTY		1.5KL	1.5KL	1.5KL	
Active #3	Pre-hy gel slurry	1.00sg	1.5KL	1.5KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	63.7KL	63.7KL	1.5KL	
Active #5	Seawater gel slurry.	1.04sg	18.7KL	18.7KL	1.5KL	
Active #6	Seawater	1.30sg	54.8KL	54.8KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	EMPTY		0.1KL	0.1KL	0.1KL	

Chemical Tank

Unit(kg)

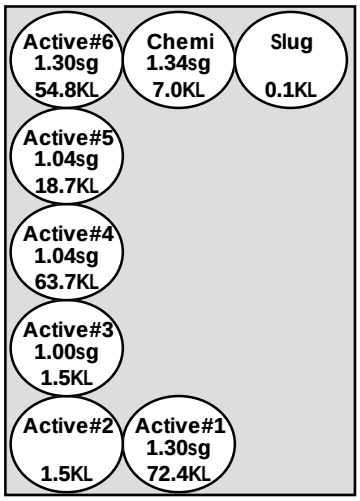
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	30,500kg	
Daily Tank#1	Bentonite	6,000kg	
Daily Tank #2	Barite	5,600kg	
Bar/Surge #1	Barite	300kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	400kg	

Chemical Tank Total WT 185.8 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	174.6KL	174.6KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	100.0KL	100.0KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1302.8 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		176,100	148,900	
Kunigel-VO(Bulk)		218,800		181,900	36,900	
NaOH		9,475	125	4,775	4,700	
KOH		3,300		3,150	150	
Lime		10,800	100	5,250	5,550	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400	25	450	950	
Xan-Vis		4,950		4,375	575	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	0	B/Loaded 8/10
Clean Lube		43,400		35,400	0	B/Loaded 8/10
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		720		270	450	
Baracor 100		220			220	
Telnite OS-5		375			375	
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	0	B/Loaded 8/10
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			0	B/Loaded 8/10
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 49.7 ton

Total Weight 1,538.3 ton

Made by : I. Torimoto

Drilling Mud Report(Off Shore)

Telnite

No. 97 | Date 13, August, 2009 | Engineer I. Torimoto

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) 3,078.7 m | BRT Depth: 3,107.0 m , SSL Depth: 554.9 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	20 in 2,594.0 m	Riser Vol. (m^3) :		Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	11
Intermediate	in m	CSG Vol. (m^3) :	7	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8	Bottom's Up :	13
Intermediate	in m	B/Hole Vol. (m^3) :	39	Pump No.3 (l/st) :	19.45	DC2 Size (in) :	8.5	Surf to Surf :	24
Intermediate	in m	Disp Vol. (m^3) :	6	P/Speed No.1 (spm) :	80	A/Vel DP (ft/min) :	163		
Intermediate	in m	T/Circ Vol. (m^3) :	73	P/Speed No.2 (spm) :	80	A/Vel DC1 (ft/min) :	227	System Total :	
Production	in m	Pit Vol. (m^3) :		P/Speed No.3 (spm) :		A/Vel Rise (ft/min) :		P/ Press (Mpa) :	14.7
		Bit Size (inch) :		Rate (gal/min) :	798				

Mud Type: KCl-NaCl/Polymer/PPG	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	16:00	Tel-Bar(Bulk)		176,100	
Depth (m)	PIT	Kunigel-VO(Bulk)		181,900	
Mud Weight (SG/PPG)	1.04 8.7	NaOH	325	5,100	48,750
Funnel Viscosity(sec./qt.)	95	KOH		3,150	
A.V(cps) at / cent.	/ 31	Lime		5,250	
P.V(cps)	/ 15	Soda Ash			
Y.V(lb/100ft^2)	/ 32	Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)	/ 33	Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)	/ 35	Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)		XCD Polymer		450	
Cake Thickness(mm)		Xan-Vis		4,375	
pH(-)	10.2	NaCl(Bag)		168,000	
Pf(cc)		KCl(Bag)		130,000	
Pm(cc)		Clean Lube(L)		24,600	
Mf(cc)		Clean Lube		35,400	
Cl^-(mg/l)		Tel-Clean			
Sand Content(%)		Lignate NC			
Oil Content(% Vol.)		Telnite GXL		270	
Solid Content(% Vol.)		Baracor 100			
M.B.C.(cc/cc.mud)		Telnite OS-5			
Temperature(in/out cent.)	28	Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS		2,960	
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)		Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)		Speeder(X)			
n Value(600rpm/300rpm)	0.40	Tel-DD		5,200	
k Value(600rpm/300rpm)	3.89	Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)		400	
		CaCl2(without water)			
		TAN CAL C			
		TAN CAL M		600	
		TAN CAL F		600	
		Rester			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
16:00	28	62	47	42	41	29	27

Well Summary

Continue to RIH f/2,965m t/3,107m. Working tight spots as required, Unable to RIH on elevators f/2,970 t/3,107m. Reaming each stand. Pump 3 x10m3 gel sweeps. Spot 40m3 of 1.35sg kill mud. POOH f/TD t/surface.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top													
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Dilution mud volume, Lost mud volume and ECD

Today mixed -m3 of Seawater gel slurry (Toatal mixed volume:364.3m3).
Today mixed -m3 of treated sea water (Toatal mixed volume:164.6m3).
Today used 34.8m3 of Seawater gel slurry (Toatal used volume:319.4m3).
Today used 40m3 of kill mud(Toatal used volume:40m3).

Daily Cost	48,750
Total Cost	155,672,950

MATERIALS REPORT

NO. 97

Well Name NanTro SEIZE Stage.2

DATE 13. Aug. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			30,500kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			6,000kg	
D/Tank #2	Barite			5,600kg	
Bar/Surge #1	Barite			300kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			400kg	

Barite 120,000k	Barite 23,000kg	Barite	Barite	Bentonite 0kg	Bentonite 30,500kg
Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6

Bentonite 6,000kg	Barite 5,600kg	Barite 300kg	Barite 0kg	Bentonite 400kg
D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge

Total Bulk Tank W.T. 185,800kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				176,100		148,900	
Kunigel-VO(Bulk)	47,500		218,800				181,900		36,900	
NaOH	150,000		9,475			325	5,100	48,750	4,375	
KOH	330,000		3,300				3,150		150	
Lime	41,600		10,800				5,250		5,550	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				450		950	
Xan-Vis	2,500,000		4,950				4,375		575	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600		5,000		24,600		0	
Clean Lube	550,000		43,400		8,000		35,400		0	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		720				270		450	
Baracor 100	92,000		220						220	
Telnite OS-5	3,000,000		375						375	
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800		600		5,200		0	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000		1,000				0	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	
Rester	528,000		8,000						8,000	

BALLAST REPORT(Off Shore)

NO.

DATE 14, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.35sg	72.4KL	72.4KL	1.5KL	
Active #2	Drill Water	1.00sg	7.6KL	7.6KL	1.5KL	
Active #3	Pre-hy gel slurry	1.00sg	1.5KL	1.5KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	47.6KL	47.6KL	1.5KL	
Active #5	Seawater	1.04sg	42.6KL	42.6KL	1.5KL	
Active #6	Seawater	1.03sg	65.0KL	65.0KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Drill Water	1.00sg	4.6KL	4.6KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	174.6KL	174.6KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	100.0KL	100.0KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

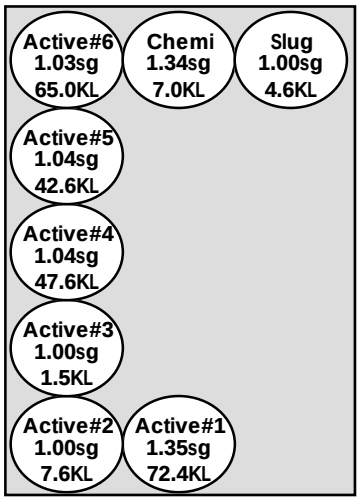
Mud Tank Total WT 1322.4 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	30,500kg	
Daily Tank#1	Bentonite	6,000kg	
Daily Tank #2	Barite	5,600kg	
Bar/Surge #1	Barite	300kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	400kg	

Chemical Tank Total WT 185.8 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		176,100	148,900	
Kunigel-VO(Bulk)		218,800		181,900	36,900	
NaOH		9,475		5,100	4,375	
KOH		3,300		3,150	150	
Lime		10,800		5,250	5,550	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		450	950	
Xan-Vis		4,950		4,375	575	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	0	
Clean Lube		43,400		35,400	0	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		720		270	450	
Baracor 100		220			220	
Telnite OS-5		375			375	
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	0	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			0	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 49.4 ton

Total Weight 1,557.6 ton

Made by :

Drilling Mud Report(Off Shore)

No. 98 | Date 14, August, 2009 | Engineer Maruyama

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	20 in 2,594.0 m	Riser Vol. (m^3) :	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	in m	CSG Vol. (m^3) :	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	Pump No.3 (l/st) : 19.45	DC2 Size (in) : 8.5	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) :	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) :	Rate (gal/min) :		

Mud Type: Seawater gel slurry

Mud Properties						
Time (Sampling : Suction)			14:00			
Depth (m)			PIT			
Mud Weight (SG/PPG)			1.04	8.7		
Funnel Viscosity(sec./qt.)			121			
A.V(cps) at / cent.			/			
P.V(cps)			/			
Y.V(lb/100ft^2)			/			
10"Gel(lb/100ft^2)			/			
10'Gel(lb/100ft^2)			/			
API Filtrate(cc/30min.)						
Cake Thickness(mm)						
pH(-)						
Pf(cc)						
Pm(cc)						
Mf(cc)						
Cl^-(mg/l)						
Sand Content(%)						
Oil Content(% Vol.)						
Solid Content(% Vol.)						
M.B.C.(cc/cc.mud)						
Temperature(in/out cent.)						
HT-HP Filtrate(cc)						
HT-HP Filtrate Cake(mm)						
K^+(mg/l)						
Ca^{++}/Mg^{++}(mg/l)						
n Value(600rpm/300rpm)						
k Value(600rpm/300rpm)						
LGS/Drill Solids(% Vol.)						

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		176,100	
Kunigel-VO(Bulk)		181,900	
NaOH		5,100	
KOH		3,150	
Lime		5,250	
Soda Ash			
Tel-Polymer(H)		5,440	
Tel-Polymer(L)		16,820	
Tel-Polymer(DX)		21,160	
XCD Polymer		450	
Xan-Vis		4,375	
NaCl(Bag)		168,000	
KCl(Bag)		130,000	
Clean Lube(L)		24,600	
Clean Lube		35,400	
Tel-Clean			
Lignate NC			
Telnite GXL	18	288	70,200
Baracor 100	165	165	276,000
Telnite OS-5	345	345	1,035,000
Bi-Carbonate			
Treat HS		2,960	
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		5,200	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	
Rester			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
14:00							

Well Summary

R/U CSG equipment. Run 9-5/8"CSG and cement stinger. Jump ROV. M/U HPS and spot 2.4m3 of DYE. Continue RIH 9-5/8" CSG on 5-1/2"DP to 1,700m. Drift vessel to well location@1knot.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top													
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Dilution mud volume, Lost mud volume and ECD

Mixed 65m3 of suspend fluid for preventcorrosion.
Add 18kg of Telnite GXL to mud pushⅡ.

Daily Cost	1,381,200
Total Cost	157,054,150

MATERIALS REPORT

NO. 98

Well Name NanTro SEIZE Stage.2

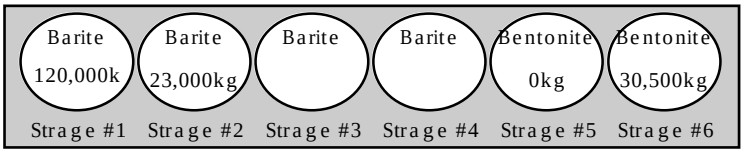
DATE 14. Aug. 09

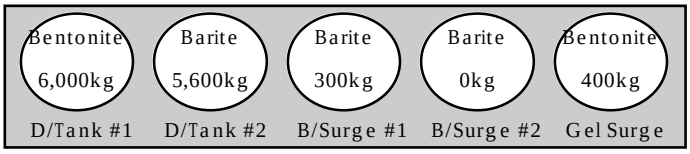
TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			30,500kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			6,000kg	
D/Tank #2	Barite			5,600kg	
Bar/Surge #1	Barite			300kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			400kg	





Total Bulk Tank W.T. 185,800kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				176,100		148,900	
Kunigel-VO(Bulk)	47,500		218,800				181,900		36,900	
NaOH	150,000		9,475				5,100		4,375	
KOH	330,000		3,300				3,150		150	
Lime	41,600		10,800				5,250		5,550	
Soda Ash	90,000		1,600						1,600	
Tel-Polymer(H)	1,550,000		6,100				5,440		660	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400				21,160		240	
XCD Polymer	2,500,000		1,400				450		950	
Xan-Vis	2,500,000		4,950				4,375		575	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600		5,000		24,600		0	
Clean Lube	550,000		43,400		8,000		35,400		0	
Tel-Clean	900,000									
Lignate NC	377,000		3,600						3,600	
Telnite GXL	3,900,000		720			18	288	70,200	432	
Baracor 100	92,000		220			165	165	276,000	55	55gal/drm
Telnite OS-5	3,000,000		375			345	345	1,035,000	30	
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800		600		5,200		0	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000		1,000				0	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990				600		3,390	
TAN CAL F	36,000		3,960				600		3,360	
Rester	528,000		8,000						8,000	

BALLAST REPORT(Off Shore)

NO. 98

Well Name NanTro SEIZE Stage.2

DATE 14, Aug, 09

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.35sg	35.9KL	35.9KL	1.5KL	
Active #2	Mud push2	1.20sg	8.0KL	8.0KL	1.5KL	
Active #3	Pre-hy gel slurry	1.00sg	1.5KL	1.5KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	47.6KL	47.6KL	1.5KL	
Active #5	Seawater	1.04sg	15.0KL	15.0KL	1.5KL	
Active #6	Suspend fluid	1.03sg	65.0KL	65.0KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Dye fluid	1.00sg	2.4KL	2.4KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	174.6KL	174.6KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	100.0KL	100.0KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

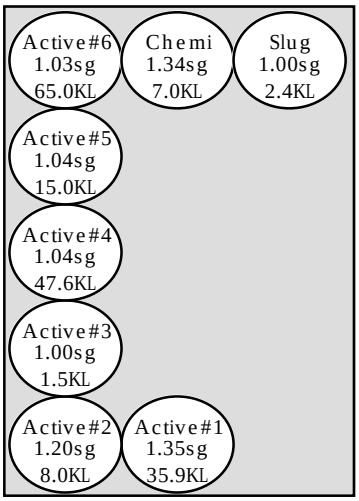
Mud Tank Total WT 1244.2 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	30,500kg	
Daily Tank#1	Bentonite	6,000kg	
Daily Tank #2	Barite	5,600kg	
Bar/Surge #1	Barite	300kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	400kg	

Chemical Tank Total WT 185.8 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		176,100	148,900	
Kunigel-VO(Bulk)		218,800		181,900	36,900	
NaOH		9,475		5,100	4,375	
KOH		3,300		3,150	150	
Lime		10,800		5,250	5,550	
Soda Ash		1,600			1,600	
Tel-Polymer(H)		6,100		5,440	660	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	240	
XCD Polymer		1,400		450	950	
Xan-Vis		4,950		4,375	575	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	0	
Clean Lube		43,400		35,400	0	
Tel-Clean						
Lignate NC		3,600			3,600	
Telnite GXL		720	18	288	432	
Baracor 100		220	165	165	55	55gal/drm
Telnite OS-5		375	345	345	30	
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	0	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			0	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 48.9 ton

Total Weight 1,478.9 ton

Made by : Maruyama

Drilling Mud Report(Off Shore)

Telnite

No. 99 | Date 15, August, 2009 | Engineer Maruyama

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	20 in 2,594.0 m	Riser Vol. (m^3) :	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	9.625 in m	CSG Vol. (m^3) :	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	Pump No.3 (l/st) : 19.45	DC2 Size (in) : 8.5	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) :	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) :	Rate (gal/min) :		

Mud Type: Seawater gel slurry

Mud Properties		
Time (Sampling : Suction)		11:00
Depth (m)		PIT
Mud Weight (SG/PPG)		1.04 8.7
Funnel Viscosity(sec./qt.)		118
A.V(cps) at / cent.		/
P.V(cps)		/
Y.V(lb/100ft^2)		/
10"Gel(lb/100ft^2)		/
10'Gel(lb/100ft^2)		/
API Filtrate(cc/30min.)		
Cake Thickness(mm)		
pH(-)		
Pf(cc)		
Pm(cc)		
Mf(cc)		
Cl^-(mg/l)		
Sand Content(%)		
Oil Content(% Vol.)		
Solid Content(% Vol.)		
M.B.C.(cc/cc.mud)		
Temperature(in/out cent.)		
HT-HP Filtrate(cc)		
HT-HP Filtrate Cake(mm)		
K^+(mg/l)		
Ca^{++}/Mg^{++}(mg/l)		
n Value(600rpm/300rpm)		
k Value(600rpm/300rpm)		
LGS/Drill Solids(% Vol.)		

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)	2,500	178,600	102,500
Kunigel-VO(Bulk)		181,900	
NaOH		5,100	
KOH		3,150	
Lime		5,250	
Soda Ash			
Tel-Polymer(H)		5,440	
Tel-Polymer(L)		16,820	
Tel-Polymer(DX)		21,160	
XCD Polymer		450	
Xan-Vis		4,375	
NaCl(Bag)		168,000	
KCl(Bag)		130,000	
Clean Lube(L)		24,600	
Clean Lube		35,400	
Tel-Clean			
Lignate NC			
Telnite GXL		288	
Baracor 100		165	
Telnite OS-5		345	
Bi-Carbonate			
Treat HS		2,960	
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		5,200	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	
Rester			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
11:00							

Well Summary

Drifting vessel to location. Continue RIH to 1,900m. Jump ROV. RIH to 2,500m@CSG shoe. Confirm circ @shoe with ROV. Stab CSG in wellhead.Pump 37m3 of suspend fluid,no return at wellhead. Pump 5m3 of Kill mud and displace with SW, observe return. Line up for CMTG. Pump 6m3 of Mud push Ⅱ by CMT unit. Mixing and pump 4.4m3 of 1.50sg CMT slurry. Displace CMT with SW. Bleed off pressure, observe flow back. POOH with RT and inner string on 5-1/2"DP.

Recommendation

Back load chemicals.
Used 5m3 of Kill mud.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top							#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Daily Cost	102,500
Total Cost	157,156,650

MATERIALS REPORT

NO. 99

Well Name NanTro SEIZE Stage.2

DATE 15. Aug. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			30,500kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			6,000kg	
D/Tank #2	Barite		2,200t	3,400kg	
Bar/Surge #1	Barite	2,200kg	2,500t	0kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			400kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 23,000kg	Barite	Barite	Bentonite 0kg	Bentonite 30,500kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 6,000kg	Barite 3,400kg	Barite 0kg	Barite 0kg	Bentonite 400kg

Total Bulk Tank W.T. 183,300kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000			2,500	178,600	102,500	146,400	
Kunigel-VO(Bulk)	47,500		218,800				181,900		36,900	
NaOH	150,000		9,475				5,100		4,375	
KOH	330,000		3,300				3,150		150	
Lime	41,600		10,800				5,250		5,550	
Soda Ash	90,000		1,600	1,600	1,600				0	
Tel-Polymer(H)	1,550,000		6,100	660	660		5,440		0	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400	240	240		21,160		0	
XCD Polymer	2,500,000		1,400				450		950	
Xan-Vis	2,500,000		4,950	575	575		4,375		0	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600		5,000		24,600		0	
Clean Lube	550,000		43,400		8,000		35,400		0	
Tel-Clean	900,000									
Lignate NC	377,000		3,600	3,600	3,600				0	
Telnite GXL	3,900,000		720				288		432	
Baracor 100	92,000		220				165		55	55gal/drm
Telnite OS-5	3,000,000		375				345		30	
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800		600		5,200		0	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000		1,000				0	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990	3,390	3,390		600		0	
TAN CAL F	36,000		3,960	3,360	3,360		600		0	
Rester	528,000		8,000						8,000	

BALLAST REPORT(Off Shore)

NO. 99

DATE 15, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.35sg	31.0KL	31.0KL	1.5KL	
Active #2	Empty		1.5KL	1.5KL	1.5KL	
Active #3	Empty		1.5KL	1.5KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	47.6KL	47.6KL	1.5KL	
Active #5	Seawater	1.04sg	54.0KL	54.0KL	1.5KL	
Active #6	Suspend fluid	1.03sg	36.0KL	36.0KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Dye fluid	1.00sg	2.4KL	2.4KL	0.1KL	

Chemical Tank

Unit(kg)

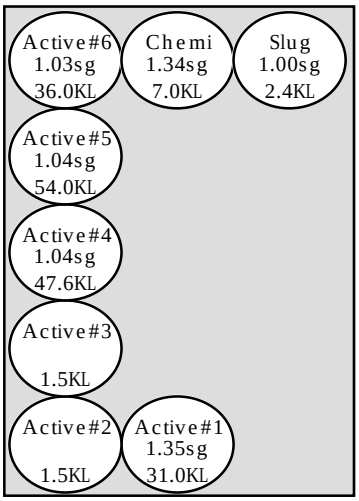
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	30,500kg	
Daily Tank#1	Bentonite	6,000kg	
Daily Tank #2	Barite	3,400kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	400kg	

Chemical Tank Total WT 183.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	174.6KL	174.6KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	100.0KL	100.0KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1237.2 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000	2,500	178,600	146,400	
Kunigel-VO(Bulk)		218,800		181,900	36,900	
NaOH		9,475		5,100	4,375	
KOH		3,300		3,150	150	
Lime		10,800		5,250	5,550	
Soda Ash		1,600			0	
Tel-Polymer(H)		6,100		5,440	0	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	0	
XCD Polymer		1,400		450	950	
Xan-Vis		4,950		4,375	0	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	0	
Clean Lube		43,400		35,400	0	
Tel-Clean						
Lignate NC		3,600			0	
Telnite GXL		720		288	432	
Baracor 100		220		165	55	55gal/drm
Telnite OS-5		375		345	30	
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	0	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			0	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 42.2 ton

Total Weight 1,462.7 ton

Made by : Maruyama

Drilling Mud Report(Off Shore)

Engineer Maruyama

No. 100 | Date 16, August, 2009 | TOTAL Depth(MSL) m

Company MQJ | Well Name NanTro SEIZE Stage.2 | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	20 in 2,593.0 m	Riser Vol. (m^3) :	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	9.625 in 3,096.3 m	CSG Vol. (m^3) :	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	Pump No.3 (l/st) : 19.45	DC2 Size (in) : 8.5	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) :	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) :	Rate (gal/min) :		

Mud Type: Seawater gel slurry

Mud Properties						
Time (Sampling : Suction)			14:00			
Depth (m)			PIT			
Mud Weight (SG/PPG)			1.04	8.7		
Funnel Viscosity(sec./qt.)			120			
A.V(cps) at / cent.			/			
P.V(cps)			/			
Y.V(lb/100ft^2)			/			
10"Gel(lb/100ft^2)			/			
10'Gel(lb/100ft^2)			/			
API Filtrate(cc/30min.)						
Cake Thickness(mm)						
pH(-)						
Pf(cc)						
Pm(cc)						
Mf(cc)						
Cl^-(mg/l)						
Sand Content(%)						
Oil Content(% Vol.)						
Solid Content(% Vol.)						
M.B.C.(cc/cc.mud)						
Temperature(in/out cent.)						
HT-HP Filtrate(cc)						
HT-HP Filtrate Cake(mm)						
K^+(mg/l)						
Ca^{++}/Mg^{++}(mg/l)						
n Value(600rpm/300rpm)						
k Value(600rpm/300rpm)						
LGS/Drill Solids(% Vol.)						

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		178,600	
Kunigel-VO(Bulk)		181,900	
NaOH		5,100	
KOH		3,150	
Lime		5,250	
Soda Ash			
Tel-Polymer(H)		5,440	
Tel-Polymer(L)		16,820	
Tel-Polymer(DX)		21,160	
XCD Polymer		450	
Xan-Vis		4,375	
NaCl(Bag)		168,000	
KCl(Bag)		130,000	
Clean Lube(L)		24,600	
Clean Lube		35,400	
Tel-Clean			
Lignate NC			
Telnite GXL		288	
Baracor 100		165	
Telnite OS-5		345	
Bi-Carbonate			
Treat HS		2,960	
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		5,200	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	
Rester			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
14:00							

Well Summary

Continue POOH. PIck up 6-3/4"DC. M/U scraper ass'y. Move vessel to low current area.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top							#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Daily Cost	0
Total Cost	157,156,650

MATERIALS REPORT

NO. 100

Well Name NanTro SEIZE Stage.2

DATE 16. Aug. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			30,500kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			6,000kg	
D/Tank #2	Barite			3,400kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			400kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 23,000kg	Barite	Barite	Bentonite 0kg	Bentonite 30,500kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 6,000kg	Barite 3,400kg	Barite 0kg	Barite 0kg	Bentonite 400kg

Total Bulk Tank W.T. 183,300kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				178,600		146,400	
Kunigel-VO(Bulk)	47,500		218,800				181,900		36,900	
NaOH	150,000		9,475				5,100		4,375	
KOH	330,000		3,300				3,150		150	
Lime	41,600		10,800				5,250		5,550	
Soda Ash	90,000		1,600		1,600				0	
Tel-Polymer(H)	1,550,000		6,100		660		5,440		0	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400		240		21,160		0	
XCD Polymer	2,500,000		1,400				450		950	
Xan-Vis	2,500,000		4,950		575		4,375		0	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600		5,000		24,600		0	
Clean Lube	550,000		43,400		8,000		35,400		0	
Tel-Clean	900,000									
Lignate NC	377,000		3,600		3,600				0	
Telnite GXL	3,900,000		720				288		432	
Baracor 100	92,000		220				165		55	55gal/drm
Telnite OS-5	3,000,000		375				345		30	
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800		600		5,200		0	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000		1,000				0	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990		3,390		600		0	
TAN CAL F	36,000		3,960		3,360		600		0	
Rester	528,000		8,000						8,000	

BALLAST REPORT(Off Shore)

NO. 100

DATE 16, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.35sg	31.0KL	31.0KL	1.5KL	
Active #2	Empty		1.5KL	1.5KL	1.5KL	
Active #3	Empty		1.5KL	1.5KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	47.6KL	47.6KL	1.5KL	
Active #5	Seawater	1.04sg	54.0KL	54.0KL	1.5KL	
Active #6	Suspend fluid	1.03sg	36.0KL	36.0KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Dye fluid	1.00sg	2.4KL	2.4KL	0.1KL	

Chemical Tank

Unit(kg)

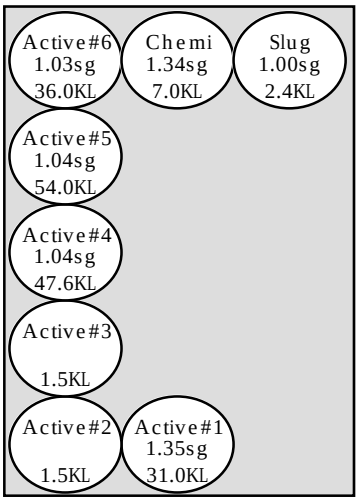
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	30,500kg	
Daily Tank#1	Bentonite	6,000kg	
Daily Tank #2	Barite	3,400kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	400kg	

Chemical Tank Total WT 183.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	174.6KL	174.6KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	100.0KL	100.0KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1237.2 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		178,600	146,400	
Kunigel-VO(Bulk)		218,800		181,900	36,900	
NaOH		9,475		5,100	4,375	
KOH		3,300		3,150	150	
Lime		10,800		5,250	5,550	
Soda Ash		1,600			0	
Tel-Polymer(H)		6,100		5,440	0	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	0	
XCD Polymer		1,400		450	950	
Xan-Vis		4,950		4,375	0	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	0	
Clean Lube		43,400		35,400	0	
Tel-Clean						
Lignate NC		3,600			0	
Telnite GXL		720		288	432	
Baracor 100		220		165	55	55gal/drm
Telnite OS-5		375		345	30	
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	0	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			0	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 42.2 ton

Total Weight 1,462.7 ton

Made by : Maruyama

Drilling Mud Report(Off Shore)

Engineer Maruyama

No. 101 | Date 17, August, 2009 | TOTAL Depth(MSL) m

Company MQJ | Well Name NanTro SEIZE Stage.2 | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	20 in 2,593.0 m	Riser Vol. (m^3) :	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	9.625 in 3,096.3 m	CSG Vol. (m^3) :	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	Pump No.3 (l/st) : 19.45	DC2 Size (in) : 8.5	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) :	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) :	Rate (gal/min) :		

Mud Type: Seawater gel slurry	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)		10:30		Tel-Bar(Bulk)		178,600	
Depth (m)		PIT		Kunigel-VO(Bulk)		181,900	
Mud Weight (SG/PPG)		1.04 | 8.7		NaOH		5,100	
Funnel Viscosity(sec./qt.)		125		KOH		3,150	
A.V(cps) at / cent.		/		Lime		5,250	
P.V(cps)		/		Soda Ash			
Y.V(lb/100ft^2)		/		Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)		/		Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)		/		Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)				XCD Polymer		450	
Cake Thickness(mm)				Xan-Vis		4,375	
pH(-)				NaCl(Bag)		168,000	
Pf(cc)				KCl(Bag)		130,000	
Pm(cc)				Clean Lube(L)		24,600	
Mf(cc)				Clean Lube		35,400	
Cl^-(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL		288	
Solid Content(% Vol.)				Baracor 100		165	
M.B.C.(cc/cc.mud)				Telnite OS-5		345	
Temperature(in/out cent.)				Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS		2,960	
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)				Tel-DD		5,200	
k Value(600rpm/300rpm)				Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)		400	
				CaCl2(without water)			
				TAN CAL C			
				TAN CAL M		600	
				TAN CAL F		600	
				Rester			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
10:30							

Well Summary

Move vessel to 7mile from location. RIH scraper ass'y while drifting vessel to location. Jump ROV. M/U HPS. Continue RIH and tag float coller @3,073.5m. Circ and BTM's up. Drop drift . POOH with scraper ass'y on 5-1/2"DP. Recover ROV. Drifting vessel and continue POOH scraper ass'y. Recover drift.
M/U 3-1/2" TBG and set back in derrick.

Recommendation

Prepare for mix Pre-hydrated gel and SWG.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top													
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Daily Cost	0
Total Cost	157,156,650

MATERIALS REPORT

NO. 101

Well Name NanTro SEIZE Stage.2

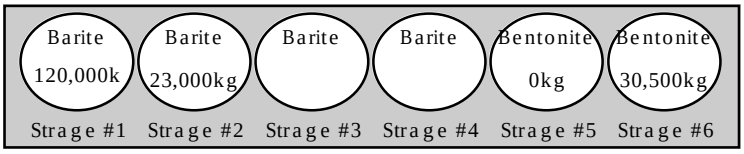
DATE 17. Aug. 09

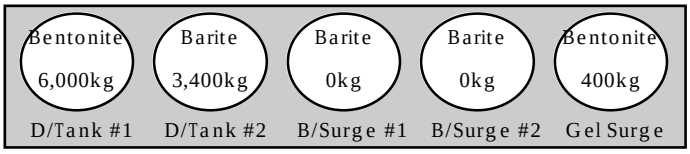
TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			30,500kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			6,000kg	
D/Tank #2	Barite			3,400kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			400kg	





Total Bulk Tank W.T. 183,300kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				178,600		146,400	
Kunigel-VO(Bulk)	47,500		218,800				181,900		36,900	
NaOH	150,000		9,475				5,100		4,375	
KOH	330,000		3,300				3,150		150	
Lime	41,600		10,800				5,250		5,550	
Soda Ash	90,000		1,600		1,600				0	
Tel-Polymer(H)	1,550,000		6,100		660		5,440		0	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400		240		21,160		0	
XCD Polymer	2,500,000		1,400				450		950	
Xan-Vis	2,500,000		4,950		575		4,375		0	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600		5,000		24,600		0	
Clean Lube	550,000		43,400		8,000		35,400		0	
Tel-Clean	900,000									
Lignate NC	377,000		3,600		3,600				0	
Telnite GXL	3,900,000		720				288		432	
Baracor 100	92,000		220				165		55	55gal/drm
Telnite OS-5	3,000,000		375				345		30	
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800		600		5,200		0	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000		1,000				0	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990		3,390		600		0	
TAN CAL F	36,000		3,960		3,360		600		0	
Rester	528,000		8,000						8,000	

BALLAST REPORT(Off Shore)

NO. 101

DATE 17, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.35sg	31.0KL	31.0KL	1.5KL	
Active #2	Empty		1.5KL	1.5KL	1.5KL	
Active #3	Empty		1.5KL	1.5KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	47.6KL	47.6KL	1.5KL	
Active #5	Seawater	1.04sg	43.7KL	43.7KL	1.5KL	
Active #6	Suspend fluid	1.03sg	36.0KL	36.0KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Dye fluid	1.00sg	2.4KL	2.4KL	0.1KL	

Chemical Tank

Unit(kg)

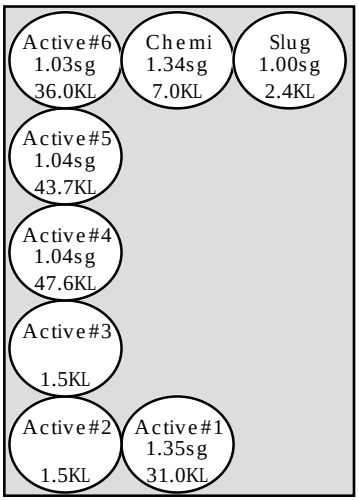
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	30,500kg	
Daily Tank#1	Bentonite	6,000kg	
Daily Tank #2	Barite	3,400kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	400kg	

Chemical Tank Total WT 183.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	174.6KL	174.6KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	100.0KL	100.0KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1226.5 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		178,600	146,400	
Kunigel-VO(Bulk)		218,800		181,900	36,900	
NaOH		9,475		5,100	4,375	
KOH		3,300		3,150	150	
Lime		10,800		5,250	5,550	
Soda Ash		1,600			0	
Tel-Polymer(H)		6,100		5,440	0	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	0	
XCD Polymer		1,400		450	950	
Xan-Vis		4,950		4,375	0	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	0	
Clean Lube		43,400		35,400	0	
Tel-Clean						
Lignate NC		3,600			0	
Telnite GXL		720		288	432	
Baracor 100		220		165	55	55gal/drm
Telnite OS-5		375		345	30	
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	0	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			0	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 42.2 ton

Total Weight 1,452.0 ton

Made by : Maruyama

Drilling Mud Report(Off Shore)

No. 102 | Date 18, August, 2009 | Engineer Maruyama

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	20 in 2,593.0 m	Riser Vol. (m^3) :	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	9.625 in 3,096.3 m	CSG Vol. (m^3) :	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	Pump No.3 (l/st) : 19.45	DC2 Size (in) : 8.5	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) :	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) :	Rate (gal/min) :		

Mud Type: Seawater gel slurry

Mud Properties			
Time (Sampling : Suction)		15:00	15:10
Depth (m)		PIT3	pre-hy
Mud Weight (SG/PPG)		1.04 8.7	1.06 8.8
Funnel Viscosity(sec./qt.)		111	300
A.V(cps) at / cent.		/	
P.V(cps)		/	
Y.V(lb/100ft^2)		/	
10"Gel(lb/100ft^2)		/	
10'Gel(lb/100ft^2)		/	
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)			
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)			
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)			
k Value(600rpm/300rpm)			
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		178,600	
Kunigel-VO(Bulk)	17,900	199,800	850,250
NaOH		5,100	
KOH		3,150	
Lime		5,250	
Soda Ash			
Tel-Polymer(H)		5,440	
Tel-Polymer(L)		16,820	
Tel-Polymer(DX)		21,160	
XCD Polymer		450	
Xan-Vis		4,375	
NaCl(Bag)		168,000	
KCl(Bag)		130,000	
Clean Lube(L)		24,600	
Clean Lube		35,400	
Tel-Clean			
Lignate NC			
Telnite GXL		288	
Baracor 100		165	
Telnite OS-5		345	
Bi-Carbonate			
Treat HS		2,960	
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		5,200	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	
Rester			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
15:00							
15:10							

Well Summary

Move vessel to low current area. M/U dummy run assy and RIH to 1,700m. Drifting vessel to well location@1.5-2.0knot.

Recommendation

Mixed 136m3 of pre-hydrated gel slurry.(Total left 236m3)

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top													
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Daily Cost	850,250
Total Cost	158,006,900

MATERIALS REPORT

NO. 102

Well Name NanTro SEIZE Stage.2

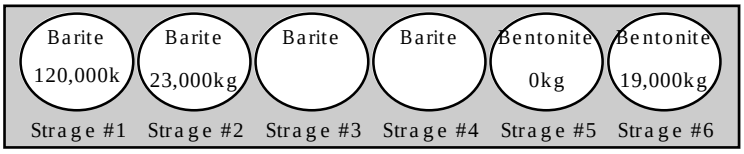
DATE 18. Aug. 09

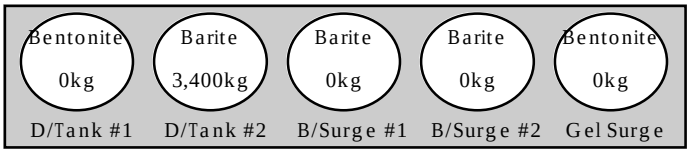
TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite		11,500kg	19,000kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite	11,500kg	17,500t	0kg	
D/Tank #2	Barite			3,400kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite	17,500kg	17,900t	0kg	





Total Bulk Tank W.T. 165,400kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				178,600		146,400	
Kunigel-VO(Bulk)	47,500		218,800			17,900	199,800	850,250	19,000	
NaOH	150,000		9,475				5,100		4,375	
KOH	330,000		3,300				3,150		150	
Lime	41,600		10,800				5,250		5,550	
Soda Ash	90,000		1,600		1,600				0	
Tel-Polymer(H)	1,550,000		6,100		660		5,440		0	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400		240		21,160		0	
XCD Polymer	2,500,000		1,400				450		950	
Xan-Vis	2,500,000		4,950		575		4,375		0	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600		5,000		24,600		0	
Clean Lube	550,000		43,400		8,000		35,400		0	
Tel-Clean	900,000									
Lignate NC	377,000		3,600		3,600				0	
Telnite GXL	3,900,000		720				288		432	
Baracor 100	92,000		220				165		55	55gal/drm
Telnite OS-5	3,000,000		375				345		30	
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800		600		5,200		0	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000		1,000				0	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990		3,390		600		0	
TAN CAL F	36,000		3,960		3,360		600		0	
Rester	528,000		8,000						8,000	

BALLAST REPORT(Off Shore)

NO. 102

Well Name NanTro SEIZE Stage.2

DATE 18, Aug, 09

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.35sg	31.0KL	31.0KL	1.5KL	
Active #2	Pre-hy gel slurry	1.06sg	68.5KL	68.5KL	1.5KL	
Active #3	Seawater gel slurry	1.04sg	47.6KL	47.6KL	1.5KL	
Active #4	Seawater	1.03sg	21.0KL	21.0KL	1.5KL	
Active #5	Seawater	1.03sg	25.6KL	25.6KL	1.5KL	
Active #6	Suspend fluid	1.03sg	36.0KL	36.0KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Dye fluid	1.00sg	2.4KL	2.4KL	0.1KL	

Chemical Tank

Unit(kg)

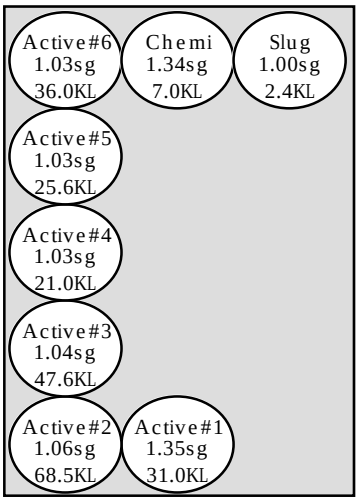
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	19,000kg	
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	3,400kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 165.4 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	174.6KL	174.6KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	167.5KL	167.5KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1372.5 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		178,600	146,400	
Kunigel-VO(Bulk)		218,800	17,900	199,800	19,000	
NaOH		9,475		5,100	4,375	
KOH		3,300		3,150	150	
Lime		10,800		5,250	5,550	
Soda Ash		1,600			0	
Tel-Polymer(H)		6,100		5,440	0	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	0	
XCD Polymer		1,400		450	950	
Xan-Vis		4,950		4,375	0	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	0	
Clean Lube		43,400		35,400	0	
Tel-Clean						
Lignate NC		3,600			0	
Telnite GXL		720		288	432	
Baracor 100		220		165	55	55gal/drm
Telnite OS-5		375		345	30	
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	0	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			0	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 42.2 ton

Total Weight 1,580.1 ton

Made by : Maruyama

Drilling Mud Report(Off Shore)

No. 102 | Date 18, August, 2009 | Engineer Maruyama

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	20 in 2,593.0 m	Riser Vol. (m^3) :	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	9.625 in 3,096.3 m	CSG Vol. (m^3) :	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	Pump No.3 (l/st) : 19.45	DC2 Size (in) : 8.5	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) :	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) :	Rate (gal/min) :		

Mud Type: Seawater gel slurry

Mud Properties			
Time (Sampling : Suction)		15:00	15:10
Depth (m)		PIT3	pre-hy
Mud Weight (SG/PPG)		1.04 8.7	1.06 8.8
Funnel Viscosity(sec./qt.)		111	300
A.V(cps) at / cent.		/	
P.V(cps)		/	
Y.V(lb/100ft^2)		/	
10"Gel(lb/100ft^2)		/	
10'Gel(lb/100ft^2)		/	
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)			
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)			
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)			
k Value(600rpm/300rpm)			
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		178,600	
Kunigel-VO(Bulk)	17,900	199,800	850,250
NaOH		5,100	
KOH		3,150	
Lime		5,250	
Soda Ash			
Tel-Polymer(H)		5,440	
Tel-Polymer(L)		16,820	
Tel-Polymer(DX)		21,160	
XCD Polymer		450	
Xan-Vis		4,375	
NaCl(Bag)		168,000	
KCl(Bag)		130,000	
Clean Lube(L)		24,600	
Clean Lube		35,400	
Tel-Clean			
Lignate NC			
Telnite GXL		288	
Baracor 100		165	
Telnite OS-5		345	
Bi-Carbonate			
Treat HS		2,960	
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		5,200	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	
Rester			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
15:00							
15:10							

Well Summary

Move vessel to low current area. M/U dummy run assy and RIH to 1,700m. Drifting vessel to well location@1.5-2.0knot.

Recommendation

Mixed 136m3 of pre-hydrated gel slurry.(Total left 236m3)

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top													
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Daily Cost	850,250
Total Cost	158,006,900

MATERIALS REPORT

NO. 102

Well Name NanTro SEIZE Stage.2

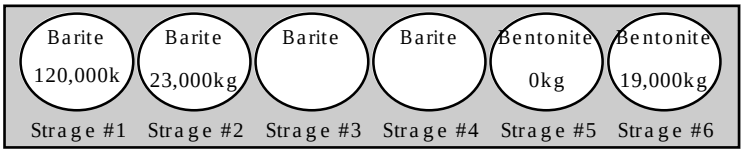
DATE 18. Aug. 09

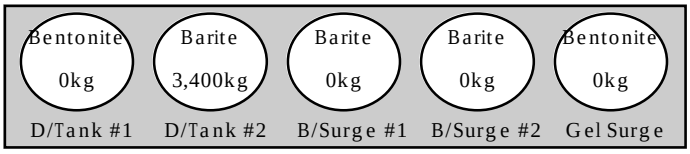
TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite		11,500kg	19,000kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite	11,500kg	17,500t	0kg	
D/Tank #2	Barite			3,400kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite	17,500kg	17,900t	0kg	





Total Bulk Tank W.T. 165,400kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				178,600		146,400	
Kunigel-VO(Bulk)	47,500		218,800			17,900	199,800	850,250	19,000	
NaOH	150,000		9,475				5,100		4,375	
KOH	330,000		3,300				3,150		150	
Lime	41,600		10,800				5,250		5,550	
Soda Ash	90,000		1,600		1,600				0	
Tel-Polymer(H)	1,550,000		6,100		660		5,440		0	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400		240		21,160		0	
XCD Polymer	2,500,000		1,400				450		950	
Xan-Vis	2,500,000		4,950		575		4,375		0	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600		5,000		24,600		0	
Clean Lube	550,000		43,400		8,000		35,400		0	
Tel-Clean	900,000									
Lignate NC	377,000		3,600		3,600				0	
Telnite GXL	3,900,000		720				288		432	
Baracor 100	92,000		220				165		55	55gal/drm
Telnite OS-5	3,000,000		375				345		30	
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800		600		5,200		0	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000		1,000				0	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990		3,390		600		0	
TAN CAL F	36,000		3,960		3,360		600		0	
Rester	528,000		8,000						8,000	

BALLAST REPORT(Off Shore)

NO. 102

Well Name NanTro SEIZE Stage.2

DATE 18, Aug, 09

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.35sg	31.0KL	31.0KL	1.5KL	
Active #2	Pre-hy gel slurry	1.06sg	68.5KL	68.5KL	1.5KL	
Active #3	Seawater gel slurry	1.04sg	47.6KL	47.6KL	1.5KL	
Active #4	Seawater	1.03sg	21.0KL	21.0KL	1.5KL	
Active #5	Seawater	1.03sg	25.6KL	25.6KL	1.5KL	
Active #6	Suspend fluid	1.03sg	36.0KL	36.0KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Dye fluid	1.00sg	2.4KL	2.4KL	0.1KL	

Chemical Tank

Unit(kg)

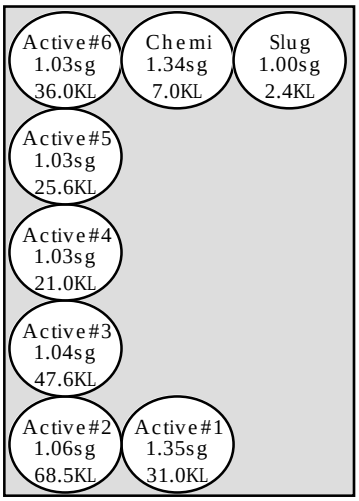
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	19,000kg	
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	3,400kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 165.4 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	174.6KL	174.6KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	167.5KL	167.5KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1372.5 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		178,600	146,400	
Kunigel-VO(Bulk)		218,800	17,900	199,800	19,000	
NaOH		9,475		5,100	4,375	
KOH		3,300		3,150	150	
Lime		10,800		5,250	5,550	
Soda Ash		1,600			0	
Tel-Polymer(H)		6,100		5,440	0	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	0	
XCD Polymer		1,400		450	950	
Xan-Vis		4,950		4,375	0	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	0	
Clean Lube		43,400		35,400	0	
Tel-Clean						
Lignate NC		3,600			0	
Telnite GXL		720		288	432	
Baracor 100		220		165	55	55gal/drm
Telnite OS-5		375		345	30	
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	0	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			0	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 42.2 ton

Total Weight 1,580.1 ton

Made by : Maruyama

Drilling Mud Report(Off Shore)

Telnite

No. 103 | Date 19, August, 2009 | Engineer Maruyama

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	20 in 2,593.0 m	Riser Vol. (m^3) :	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	9.625 in 3,096.3 m	CSG Vol. (m^3) :	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	Pump No.3 (l/st) : 19.45	DC2 Size (in) : 8.5	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) :	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) :	Rate (gal/min) :		

Mud Type: Seawater gel slurry	Mud Properties		
Time (Sampling : Suction)		11:30	
Depth (m)		PIT3	
Mud Weight (SG/PPG)		1.04 8.7	
Funnel Viscosity(sec./qt.)		117	
A.V(cps) at / cent.		/	
P.V(cps)		/	
Y.V(lb/100ft^2)		/	
10"Gel(lb/100ft^2)		/	
10'Gel(lb/100ft^2)		/	
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)			
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)			
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)			
k Value(600rpm/300rpm)			
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		178,600	
Kunigel-VO(Bulk)		199,800	
NaOH		5,100	
KOH		3,150	
Lime		5,250	
Soda Ash			
Tel-Polymer(H)		5,440	
Tel-Polymer(L)		16,820	
Tel-Polymer(DX)		21,160	
XCD Polymer		450	
Xan-Vis		4,375	
NaCl(Bag)		168,000	
KCl(Bag)		130,000	
Clean Lube(L)		24,600	
Clean Lube		35,400	
Tel-Clean			
Lignate NC			
Telnite GXL		288	
Baracor 100		165	
Telnite OS-5		345	
Bi-Carbonate			
Treat HS		2,960	
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		5,200	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	
Rester			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
11:30							

Well Summary

Drifting vessel to well location@1.0knot. Observe high viberation, current speed over 4 knot. Unable to jump ROV to location. "KAIKO search low current area. Vessel move to low current area. Observe Dummy BHA below instrument carrier lost to sea, sizemometer same. Hold meeting. POOH Dummy BHA.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top													
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Daily Cost	0
Total Cost	158,006,900

MATERIALS REPORT

NO. 103

Well Name NanTro SEIZE Stage.2

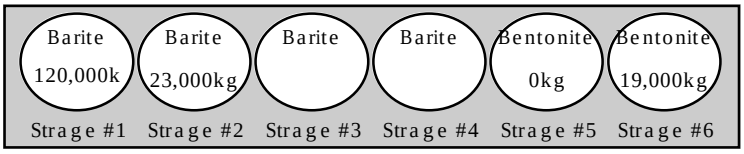
DATE 19. Aug. 09

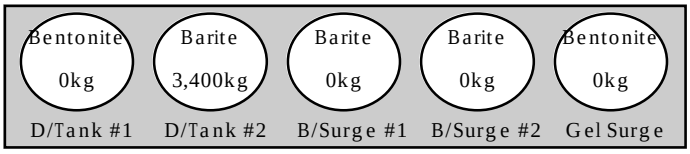
TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			19,000kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			3,400kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	





Total Bulk Tank W.T. 165,400kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				178,600		146,400	
Kunigel-VO(Bulk)	47,500		218,800				199,800		19,000	
NaOH	150,000		9,475				5,100		4,375	
KOH	330,000		3,300				3,150		150	
Lime	41,600		10,800				5,250		5,550	
Soda Ash	90,000		1,600		1,600				0	
Tel-Polymer(H)	1,550,000		6,100		660		5,440		0	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400		240		21,160		0	
XCD Polymer	2,500,000		1,400				450		950	
Xan-Vis	2,500,000		4,950		575		4,375		0	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600		5,000		24,600		0	
Clean Lube	550,000		43,400		8,000		35,400		0	
Tel-Clean	900,000									
Lignate NC	377,000		3,600		3,600				0	
Telnite GXL	3,900,000		720				288		432	
Baracor 100	92,000		220				165		55	55gal/drm
Telnite OS-5	3,000,000		375				345		30	
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800		600		5,200		0	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000		1,000				0	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990		3,390		600		0	
TAN CAL F	36,000		3,960		3,360		600		0	
Rester	528,000		8,000						8,000	

BALLAST REPORT(Off Shore)

NO. 103

DATE 19, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.35sg	31.0KL	31.0KL	1.5KL	
Active #2	Pre-hy gel slurry	1.06sg	68.5KL	68.5KL	1.5KL	
Active #3	Seawater gel slurry	1.04sg	47.6KL	47.6KL	1.5KL	
Active #4	Seawater	1.03sg	59.4KL	59.4KL	1.5KL	
Active #5	Seawater	1.03sg	25.6KL	25.6KL	1.5KL	
Active #6	Suspend fluid	1.03sg	36.0KL	36.0KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Dye fluid	1.00sg	2.4KL	2.4KL	0.1KL	

Chemical Tank

Unit(kg)

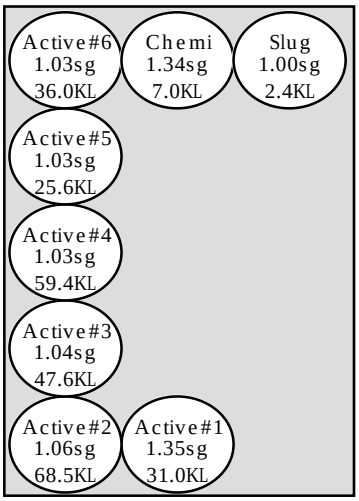
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	19,000kg	
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	3,400kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 165.4 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	174.6KL	174.6KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	167.5KL	167.5KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1412.1 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		178,600	146,400	
Kunigel-VO(Bulk)		218,800		199,800	19,000	
NaOH		9,475		5,100	4,375	
KOH		3,300		3,150	150	
Lime		10,800		5,250	5,550	
Soda Ash		1,600			0	
Tel-Polymer(H)		6,100		5,440	0	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	0	
XCD Polymer		1,400		450	950	
Xan-Vis		4,950		4,375	0	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	0	
Clean Lube		43,400		35,400	0	
Tel-Clean						
Lignate NC		3,600			0	
Telnite GXL		720		288	432	
Baracor 100		220		165	55	55gal/drm
Telnite OS-5		375		345	30	
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	0	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			0	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 42.2 ton

Total Weight 1,619.7 ton

Made by : Maruyama

Drilling Mud Report(Off Shore)

No. 105 | Date 21, August, 2009 | Engineer Maruyama

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	20 in 2,593.0 m	Riser Vol. (m^3) :	Pump No.1 (l/st) : 19.45	DP Size (in) : 3.5	Suface to Bit :
Intermediate	9.625 in 3,096.3 m	CSG Vol. (m^3) :	Pump No.2 (l/st) : 19.45	DC1 Size (in) :	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) :	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) :	Rate (gal/min) :		

Mud Type: Seawater gel slurry	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	11:00	Tel-Bar(Bulk)		178,600	
Depth (m)	SWG	Kunigel-VO(Bulk)		199,800	
Mud Weight (SG/PPG)	1.04 8.7	NaOH		5,100	
Funnel Viscosity(sec./qt.)	121	KOH		3,150	
A.V(cps) at / cent.	/	Lime		5,250	
P.V(cps)	/	Soda Ash			
Y.V(lb/100ft^2)	/	Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)	/	Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)	/	Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)		XCD Polymer		450	
Cake Thickness(mm)		Xan-Vis		4,375	
pH(-)		NaCl(Bag)		168,000	
Pf(cc)		KCl(Bag)		130,000	
Pm(cc)		Clean Lube(L)		24,600	
Mf(cc)		Clean Lube		35,400	
Cl^-(mg/l)		Tel-Clean			
Sand Content(%)		Lignate NC			
Oil Content(% Vol.)		Telnite GXL		288	
Solid Content(% Vol.)		Baracor 100		165	
M.B.C.(cc/cc.mud)		Telnite OS-5		345	
Temperature(in/out cent.)		Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS		2,960	
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)		Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)		Speeder(X)			
n Value(600rpm/300rpm)		Tel-DD		5,200	
k Value(600rpm/300rpm)		Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)		400	
		CaCl2(without water)			
		TAN CAL C			
		TAN CAL M		600	
		TAN CAL F		600	
		Rester			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
11:00							

Well Summary

Drifting vessel to well location. Continue run pipe to 1,950m at 2miles from location. Continue drifting to well location. 3-1/2"TBG shoe at 2,548m. Move vessel over well center. Stab in wellhead(±5m×3). POOH Dummy BHANo.2 to 186m. L/D Guide horn wear bushing. Continue POOH Dummy BHANo.2. Drifting vessel to low current area.

Recommendation

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top													
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Daily Cost	0
Total Cost	158,006,900

MATERIALS REPORT

NO. 105

Well Name NanTro SEIZE Stage.2

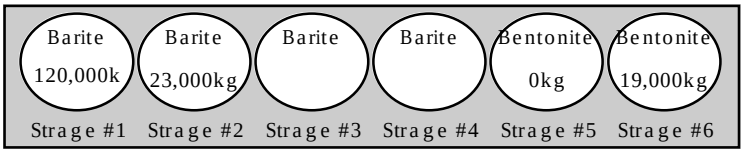
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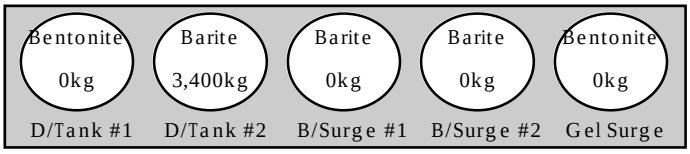
TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			19,000kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			3,400kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	





Total Bulk Tank W.T. 165,400kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				178,600		146,400	
Kunigel-VO(Bulk)	47,500		218,800				199,800		19,000	
NaOH	150,000		9,475				5,100		4,375	
KOH	330,000		3,300				3,150		150	
Lime	41,600		10,800				5,250		5,550	
Soda Ash	90,000		1,600		1,600				0	
Tel-Polymer(H)	1,550,000		6,100		660		5,440		0	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400		240		21,160		0	
XCD Polymer	2,500,000		1,400				450		950	
Xan-Vis	2,500,000		4,950		575		4,375		0	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600		5,000		24,600		0	
Clean Lube	550,000		43,400		8,000		35,400		0	
Tel-Clean	900,000									
Lignate NC	377,000		3,600		3,600				0	
Telnite GXL	3,900,000		720				288		432	
Baracor 100	92,000		220				165		55	55gal/drm
Telnite OS-5	3,000,000		375				345		30	
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800		600		5,200		0	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000		1,000				0	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990		3,390		600		0	
TAN CAL F	36,000		3,960		3,360		600		0	
Rester	528,000		8,000						8,000	

BALLAST REPORT(Off Shore)

NO. 105

DATE 21, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.35sg	31.0KL	31.0KL	1.5KL	
Active #2	Pre-hy gel slurry	1.06sg	68.5KL	68.5KL	1.5KL	
Active #3	Seawater gel slurry	1.04sg	47.6KL	47.6KL	1.5KL	
Active #4	Seawater	1.03sg	59.4KL	59.4KL	1.5KL	
Active #5	Seawater	1.03sg	25.6KL	25.6KL	1.5KL	
Active #6	Suspend fluid	1.03sg	36.0KL	36.0KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Dye fluid	1.00sg	2.4KL	2.4KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	174.6KL	174.6KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	167.5KL	167.5KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

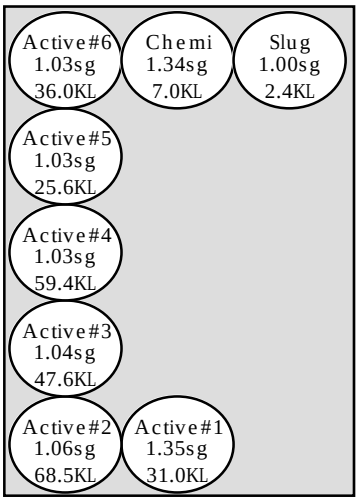
Mud Tank Total WT 1412.1 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	19,000kg	
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	3,400kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 165.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		178,600	146,400	
Kunigel-VO(Bulk)		218,800		199,800	19,000	
NaOH		9,475		5,100	4,375	
KOH		3,300		3,150	150	
Lime		10,800		5,250	5,550	
Soda Ash		1,600			0	
Tel-Polymer(H)		6,100		5,440	0	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	0	
XCD Polymer		1,400		450	950	
Xan-Vis		4,950		4,375	0	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	0	
Clean Lube		43,400		35,400	0	
Tel-Clean						
Lignate NC		3,600			0	
Telnite GXL		720		288	432	
Baracor 100		220		165	55	55gal/drm
Telnite OS-5		375		345	30	
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	0	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			0	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 42.2 ton

Total Weight 1,619.7 ton

Made by : Maruyama

Drilling Mud Report(Off Shore)

No. 107 | Date 23, August, 2009 | Engineer Maruyama

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) m | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	20 in 2,593.0 m	Riser Vol. (m^3) :	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	9.625 in 3,096.3 m	CSG Vol. (m^3) :	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 6.75	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	
Production	in m	Pit Vol. (m^3) :	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	P/ Press(Mpa) :
		Bit Size (inch) :	Rate (gal/min) :		

Mud Type: Seawater gel slurry	Mud Properties	Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	14:30	Tel-Bar(Bulk)		178,600	
Depth (m)	SWG	Kunigel-VO(Bulk)		199,800	
Mud Weight (SG/PPG)	1.04 8.7	NaOH		5,100	
Funnel Viscosity(sec./qt.)	120	KOH		3,150	
A.V(cps) at / cent.	/	Lime		5,250	
P.V(cps)	/	Soda Ash			
Y.V(lb/100ft^2)	/	Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)	/	Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)	/	Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)		XCD Polymer		450	
Cake Thickness(mm)		Xan-Vis		4,375	
pH(-)		NaCl(Bag)		168,000	
Pf(cc)		KCl(Bag)		130,000	
Pm(cc)		Clean Lube(L)		24,600	
Mf(cc)		Clean Lube		35,400	
Cl^-(mg/l)		Tel-Clean			
Sand Content(%)		Lignate NC			
Oil Content(% Vol.)		Telnite GXL		288	
Solid Content(% Vol.)		Baracor 100		165	
M.B.C.(cc/cc.mud)		Telnite OS-5		345	
Temperature(in/out cent.)		Bi-Carbonate			
HT-HP Filtrate(cc)		Treat HS		2,960	
HT-HP Filtrate Cake(mm)		EZ Spot			
K^+(mg/l)		Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)		Speeder(X)			
n Value(600rpm/300rpm)		Tel-DD		5,200	
k Value(600rpm/300rpm)		Deformer No.30C			
LGS/Drill Solids(% Vol.)		Tel-Stop(G)			
		Tel-Stop(P)			
		Tel-Mica(C)			
		Tel-Mica(M)			
		Tel-Mica(F)			
		Tel-Plug(C)			
		Tel-Plug(M)			
		Tel-Plug(F)		400	
		CaCl2(without water)			
		TAN CAL C			
		TAN CAL M		600	
		TAN CAL F		600	
		Rester			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
14:30							

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top													
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Well Summary

Continue RIH RBP assy to 2,450m. Drifting vessel to well location. Run ROV and check the condition of BHA. Continue RIH PKR to 2,914m. Set PKR@2,915m. Pump and displace 12m3 of suspend fluid into CSG. POOH RBP assy. Move vessel 2miles west form location. Prepare to run corrosion cap.Move vessel to well location. Set corrosion cap@1,850m by ROV. Move vessel to calibrate big head.

Recommendation

Clean a slug tank
Used 12m3 of suspend fluid(displace into CSG).

Daily Cost	0
Total Cost	158,006,900

MATERIALS REPORT

NO. 107

Well Name NanTro SEIZE Stage.2

DATE 23. Aug. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			19,000kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			3,400kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 23,000kg	Barite	Barite	Bentonite 0kg	Bentonite 19,000kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 0kg	Barite 3,400kg	Barite 0kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 165,400kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				178,600		146,400	
Kunigel-VO(Bulk)	47,500		218,800				199,800		19,000	
NaOH	150,000		9,475				5,100		4,375	
KOH	330,000		3,300				3,150		150	
Lime	41,600		10,800				5,250		5,550	
Soda Ash	90,000		1,600		1,600				0	
Tel-Polymer(H)	1,550,000		6,100		660		5,440		0	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400		240		21,160		0	
XCD Polymer	2,500,000		1,400				450		950	
Xan-Vis	2,500,000		4,950		575		4,375		0	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600		5,000		24,600		0	
Clean Lube	550,000		43,400		8,000		35,400		0	
Tel-Clean	900,000									
Lignate NC	377,000		3,600		3,600				0	
Telnite GXL	3,900,000		720				288		432	
Baracor 100	92,000		220				165		55	55gal/drm
Telnite OS-5	3,000,000		375				345		30	
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800		600		5,200		0	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000		1,000				0	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990		3,390		600		0	
TAN CAL F	36,000		3,960		3,360		600		0	
Rester	528,000		8,000						8,000	

BALLAST REPORT(Off Shore)

NO. 107

DATE 23, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.35sg	31.0KL	31.0KL	1.5KL	
Active #2	Pre-hy gel slurry	1.06sg	68.5KL	68.5KL	1.5KL	
Active #3	Empty		1.5KL	1.5KL	1.5KL	
Active #4	Seawater gel slurry	1.03sg	47.6KL	47.6KL	1.5KL	
Active #5	Empty		1.5KL	1.5KL	1.5KL	
Active #6	Seawater	1.03sg	56.2KL	56.2KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Suspend fluid	1.03sg	20.6KL	20.6KL	0.1KL	

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	174.6KL	174.6KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	167.5KL	167.5KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

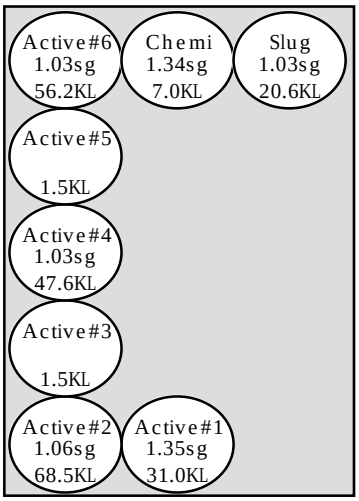
Mud Tank Total WT 1363.7 ton

Chemical Tank

Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	19,000kg	
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	3,400kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 165.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		178,600	146,400	
Kunigel-VO(Bulk)		218,800		199,800	19,000	
NaOH		9,475		5,100	4,375	
KOH		3,300		3,150	150	
Lime		10,800		5,250	5,550	
Soda Ash		1,600			0	
Tel-Polymer(H)		6,100		5,440	0	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	0	
XCD Polymer		1,400		450	950	
Xan-Vis		4,950		4,375	0	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	0	
Clean Lube		43,400		35,400	0	
Tel-Clean						
Lignate NC		3,600			0	
Telnite GXL		720		288	432	
Baracor 100		220		165	55	55gal/drm
Telnite OS-5		375		345	30	
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	0	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			0	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 42.2 ton

Total Weight 1,571.3 ton

Made by : Maruyama

Drilling Mud Report(Off Shore)

Engineer Maruyama

No. 108 | Date 24, August, 2009 | TOTAL Depth(MSL) m

Company MQJ | Well Name NanTro SEIZE Stage.2 | BRT Depth: m , SSL Depth: m

Casing Program		Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	20 in 2,593.0 m	Riser Vol. (m^3) :	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	9.625 in 3,096.3 m	CSG Vol. (m^3) :	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 6.75	Bottom's Up :
Intermediate	in m	B/Hole Vol. (m^3) :	Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in m	Disp Vol. (m^3) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in m	T/Circ Vol. (m^3) :	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in m	Pit Vol. (m^3) :	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
		Bit Size (inch) :	Rate (gal/min) :		

Mud Type: Seawater gel slurry	Mud Properties		
Time (Sampling : Suction)		15:30	
Depth (m)		SWG	
Mud Weight (SG/PPG)		1.04 8.7	
Funnel Viscosity(sec./qt.)		181	
A.V(cps) at / cent.		/	
P.V(cps)		/	
Y.V(lb/100ft^2)		/	
10"Gel(lb/100ft^2)		/	
10'Gel(lb/100ft^2)		/	
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)			
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)			
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)			
k Value(600rpm/300rpm)			
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		178,600	
Kunigel-VO(Bulk)		199,800	
NaOH	125	5,225	18,750
KOH		3,150	
Lime	125	5,375	5,200
Soda Ash			
Tel-Polymer(H)		5,440	
Tel-Polymer(L)		16,820	
Tel-Polymer(DX)		21,160	
XCD Polymer		450	
Xan-Vis		4,375	
NaCl(Bag)		168,000	
KCl(Bag)		130,000	
Clean Lube(L)		24,600	
Clean Lube		35,400	
Tel-Clean			
Lignate NC			
Telnite GXL		288	
Baracor 100		165	
Telnite OS-5		345	
Bi-Carbonate			
Treat HS		2,960	
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		5,200	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	
Rester			

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
15:30							

Well Summary

Continue calibration APRS while repair ROV cable. Move to well center and Run ROV. Set corrosion cap on wellhead by ROV. Retrieve transponders. ROV recover to surface for repair damaged umbilical cable.

Recommendation

Used 32.5m3 of pre-hydrated gel for mix SWG slurry.
Mixed 68.9m3 of SWG slurry.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top							#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Daily Cost	23,950
Total Cost	158,030,850

MATERIALS REPORT

NO. 108

Well Name NanTro SEIZE Stage.2

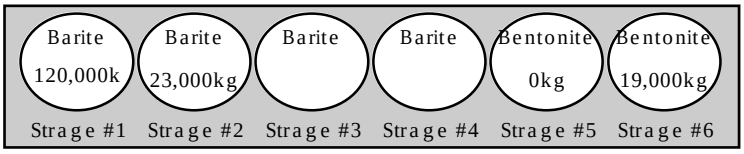
DATE 24. Aug. 09

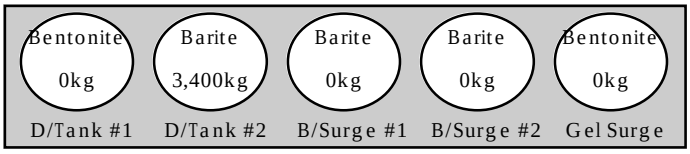
TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			19,000kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			3,400kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	





Total Bulk Tank W.T. 165,400kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				178,600		146,400	
Kunigel-VO(Bulk)	47,500		218,800				199,800		19,000	
NaOH	150,000		9,475			125	5,225	18,750	4,250	
KOH	330,000		3,300				3,150		150	
Lime	41,600		10,800			125	5,375	5,200	5,425	
Soda Ash	90,000		1,600		1,600				0	
Tel-Polymer(H)	1,550,000		6,100		660		5,440		0	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400		240		21,160		0	
XCD Polymer	2,500,000		1,400				450		950	
Xan-Vis	2,500,000		4,950		575		4,375		0	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600		5,000		24,600		0	
Clean Lube	550,000		43,400		8,000		35,400		0	
Tel-Clean	900,000									
Lignate NC	377,000		3,600		3,600				0	
Telnite GXL	3,900,000		720				288		432	
Baracor 100	92,000		220				165		55	55gal/drm
Telnite OS-5	3,000,000		375				345		30	
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800		600		5,200		0	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000		1,000				0	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990		3,390		600		0	
TAN CAL F	36,000		3,960		3,360		600		0	
Rester	528,000		8,000						8,000	

BALLAST REPORT(Off Shore)

NO. 108

DATE 24, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.35sg	31.0KL	31.0KL	1.5KL	
Active #2	Pre-hy gel slurry	1.06sg	36.0KL	36.0KL	1.5KL	
Active #3	Seawater	1.03sg	17.0KL	17.0KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	47.6KL	47.6KL	1.5KL	
Active #5	Seawater gel slurry	1.04sg	68.9KL	68.9KL	1.5KL	
Active #6	Seawater	1.03sg	56.2KL	56.2KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Suspend fluid	1.03sg	20.6KL	20.6KL	0.1KL	

Chemical Tank

Unit(kg)

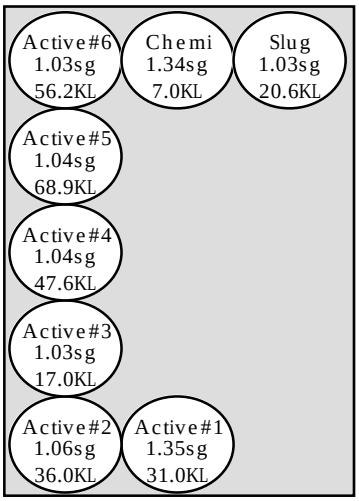
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	19,000kg	
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	3,400kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 165.4 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	174.6KL	174.6KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	167.5KL	167.5KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1418.9 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		178,600	146,400	
Kunigel-VO(Bulk)		218,800		199,800	19,000	
NaOH		9,475	125	5,225	4,250	
KOH		3,300		3,150	150	
Lime		10,800	125	5,375	5,425	
Soda Ash		1,600			0	
Tel-Polymer(H)		6,100		5,440	0	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	0	
XCD Polymer		1,400		450	950	
Xan-Vis		4,950		4,375	0	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	0	
Clean Lube		43,400		35,400	0	
Tel-Clean						
Lignate NC		3,600			0	
Telnite GXL		720		288	432	
Baracor 100		220		165	55	55gal/drm
Telnite OS-5		375		345	30	
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	0	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			0	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 42.0 ton

Total Weight 1,626.2 ton

Made by : Maruyama

Drilling Mud Report(Off Shore)

Engineer Maruyama

No. 109 | Date 25, August, 2009 | TOTAL Depth(MSL) m

Company MQJ | Well Name NanTro SEIZE Stage.2 | BRT Depth: m , SSL Depth: m

Casing Program			Mud Volume & Bit Data	Pump Data	String Data	Circulation Data (min)
Suface	in	m	Riser Vol. (m^3) :	Pump No.1 (l/st) : 19.45	DP Size (in) : 5.5	Suface to Bit :
Intermediate	in	m	CSG Vol. (m^3) :	Pump No.2 (l/st) : 19.45	DC1 Size (in) : 8.5	Bottom's Up :
Intermediate	in	m	B/Hole Vol. (m^3) :	Pump No.3 (l/st) : 19.45	DC2 Size (in) :	Surf to Surf :
Intermediate	in	m	Disp Vol. (m^3) :	P/Speed No.1 (spm) :	A/Vel DP (ft/min) :	System Total :
Intermediate	in	m	T/Circ Vol. (m^3) :	P/Speed No.2 (spm) :	A/Vel DC1(ft/min) :	P/ Press(Mpa) :
Production	in	m	Pit Vol. (m^3) :	P/Speed No.3 (spm) :	A/Vel Riser(ft/min) :	
			Bit Size (inch) : 12.25	Rate (gal/min) :		

Mud Type: Seawater gel slurry

Mud Properties			
Time (Sampling : Suction)		14:00	16:30
Depth (m)		SWG	Kill mud
Mud Weight (SG/PPG)		1.04 8.7	1.31 10.9
Funnel Viscosity(sec./qt.)		178	60
A.V(cps) at / cent.		/	33.5
P.V(cps)		/	24
Y.V(lb/100ft^2)		/	19
10"Gel(lb/100ft^2)		/	8
10'Gel(lb/100ft^2)		/	24
API Filtrate(cc/30min.)			
Cake Thickness(mm)			
pH(-)			
Pf(cc)			
Pm(cc)			
Mf(cc)			
Cl^-(mg/l)			
Sand Content(%)			
Oil Content(% Vol.)			
Solid Content(% Vol.)			
M.B.C.(cc/cc.mud)			
Temperature(in/out cent.)			
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)			
Ca^{++}/Mg^{++}(mg/l)			
n Value(600rpm/300rpm)			0.64
k Value(600rpm/300rpm)			0.80
LGS/Drill Solids(% Vol.)			

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar(Bulk)		178,600	
Kunigel-VO(Bulk)		199,800	
NaOH		5,225	
KOH		3,150	
Lime		5,375	
Soda Ash			
Tel-Polymer(H)		5,440	
Tel-Polymer(L)		16,820	
Tel-Polymer(DX)		21,160	
XCD Polymer		450	
Xan-Vis		4,375	
NaCl(Bag)		168,000	
KCl(Bag)		130,000	
Clean Lube(L)		24,600	
Clean Lube		35,400	
Tel-Clean			
Lignate NC			
Telnite GXL		288	
Baracor 100		165	
Telnite OS-5		345	
Bi-Carbonate			
Treat HS		2,960	
EZ Spot			
Speeder(P)			
Speeder(X)			
Tel-DD		5,200	
Deformer No.30C			
Tel-Stop(G)			
Tel-Stop(P)			
Tel-Mica(C)			
Tel-Mica(M)			
Tel-Mica(F)			
Tel-Plug(C)			
Tel-Plug(M)			
Tel-Plug(F)		400	
CaCl2(without water)			
TAN CAL C			
TAN CAL M		600	
TAN CAL F		600	
Rester			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
14:00							
16:30		67	43				

Well Summary

Recover ROV. Move vessel to calibrate APRS.
Move vessel to recover transponders. Release 3 transponders and recover with workboat. Transit to new location NT1-07. Move to set transponders.

Recommendation

Transfer kill mud from Reserve No.1 to Active No.1.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top													
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Daily Cost	0
Total Cost	158,030,850

MATERIALS REPORT

NO. 109

Well Name NanTro SEIZE Stage.2

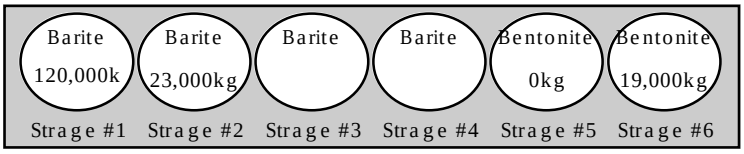
DATE 25. Aug. 09

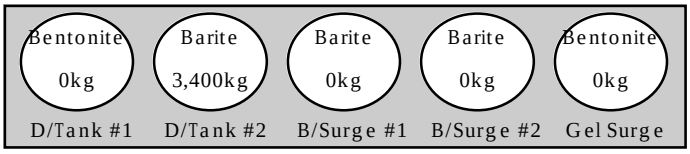
TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			19,000kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			3,400kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	





Total Bulk Tank W.T. 165,400kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				178,600		146,400	
Kunigel-VO(Bulk)	47,500		218,800				199,800		19,000	
NaOH	150,000		9,475				5,225		4,250	
KOH	330,000		3,300				3,150		150	
Lime	41,600		10,800				5,375		5,425	
Soda Ash	90,000		1,600		1,600				0	
Tel-Polymer(H)	1,550,000		6,100		660		5,440		0	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400		240		21,160		0	
XCD Polymer	2,500,000		1,400				450		950	
Xan-Vis	2,500,000		4,950		575		4,375		0	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600		5,000		24,600		0	
Clean Lube	550,000		43,400		8,000		35,400		0	
Tel-Clean	900,000									
Lignate NC	377,000		3,600		3,600				0	
Telnite GXL	3,900,000		720				288		432	
Baracor 100	92,000		220				165		55	55gal/drm
Telnite OS-5	3,000,000		375				345		30	
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800		600		5,200		0	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000		1,000				0	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990		3,390		600		0	
TAN CAL F	36,000		3,960		3,360		600		0	
Rester	528,000		8,000						8,000	

BALLAST REPORT(Off Shore)

NO. 109

DATE 25, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.31sg	68.0KL	68.0KL	1.5KL	
Active #2	Pre-hy gel slurry	1.06sg	36.0KL	36.0KL	1.5KL	
Active #3	Seawater	1.03sg	55.3KL	55.3KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	47.6KL	47.6KL	1.5KL	
Active #5	Seawater gel slurry	1.04sg	68.9KL	68.9KL	1.5KL	
Active #6	Seawater	1.03sg	71.6KL	71.6KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Suspend fluid	1.03sg	20.6KL	20.6KL	0.1KL	

Chemical Tank

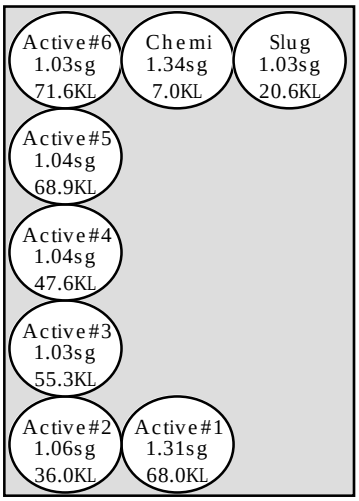
Unit(kg)

Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	19,000kg	
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	3,400kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 165.4 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	137.6KL	137.6KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	167.5KL	167.5KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						



Mud Tank Total WT 1473.3 ton

Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		178,600	146,400	
Kunigel-VO(Bulk)		218,800		199,800	19,000	
NaOH		9,475		5,225	4,250	
KOH		3,300		3,150	150	
Lime		10,800		5,375	5,425	
Soda Ash		1,600			0	
Tel-Polymer(H)		6,100		5,440	0	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	0	
XCD Polymer		1,400		450	950	
Xan-Vis		4,950		4,375	0	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	0	
Clean Lube		43,400		35,400	0	
Tel-Clean						
Lignate NC		3,600			0	
Telnite GXL		720		288	432	
Baracor 100		220		165	55	55gal/drm
Telnite OS-5		375		345	30	
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	0	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			0	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 42.0 ton

Total Weight 1,680.7 ton

Made by : Maruyama

Drilling Mud Report(Off Shore)

Telnite

No. 110 | Date 26, August, 2009 | Engineer Maruyama

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) 4,085.7 m | BRT Depth: 4,114.0 m , SSL Depth: 35.7 m

Casing Program			Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	in	m	Riser Vol. (m^3) :		Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	17
Intermediate	in	m	CSG Vol. (m^3) :		Pump No.2 (l/st) :	19.45	DC1 Size (in) :	5	Bottom's Up :	1
Intermediate	in	m	B/Hole Vol. (m^3) :	3	Pump No.3 (l/st) :	19.45	DC2 Size (in) :	8.5	Surf to Surf :	18
Intermediate	in	m	Disp Vol. (m^3) :	1	P/Speed No.1 (spm) :	70	A/Vel DP (ft/min) :	143		
Intermediate	in	m	T/Circ Vol. (m^3) :	47	P/Speed No.2 (spm) :	70	A/Vel DC1 (ft/min) :	138	System Total :	
Production	in	m	Pit Vol. (m^3) :		P/Speed No.3 (spm) :		A/Vel Riser (ft/min) :		P/ Press(Mpa) :	13.1
			Bit Size (inch) :	12.25	Rate (gal/min) :	698				

Mud Type: Seawater gel slurry

Mud Properties				Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	15:30	20:00		Tel-Bar(Bulk)		178,600	
Depth (m)	SWG	Kill mud		Kunigel-VO(Bulk)		199,800	
Mud Weight (SG/PPG)	1.04 8.7	1.30 10.8		NaOH	25	5,250	3,750
Funnel Viscosity(sec./qt.)	178	91		KOH		3,150	
A.V(cps) at / cent.	/ 64	39		Lime		5,375	
P.V(cps)	/ 26	26		Soda Ash			
Y.V(lb/100ft^2)	/ 76	26		Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)	/ 29	14		Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)	/ 32	35		Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)				XCD Polymer	25	475	62,500
Cake Thickness(mm)				Xan-Vis		4,375	
pH(-)	11.2	10.1		NaCl(Bag)		168,000	
Pf(cc)				KCl(Bag)		130,000	
Pm(cc)				Clean Lube(L)		24,600	
Mf(cc)				Clean Lube		35,400	
Cl^-(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL		288	
Solid Content(% Vol.)				Baracor 100		165	
M.B.C.(cc/cc.mud)				Telnite OS-5		345	
Temperature(in/out cent.)	24	29		Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS		2,960	
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)	0.33	0.58		Tel-DD		5,200	
k Value(600rpm/300rpm)	13.23	1.36		Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)		400	
				CaCl2(without water)			
				TAN CAL C			
				TAN CAL M		600	
				TAN CAL F		600	
				Rester			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
15:30	24	128	102	98	84	56	25
20:00		78	52	41	30	14	14

Well Summary

Continue to set transponders. Move to well center. Calibrate rig position. RIH 12-1/4"LWD BHA to 4,000m. Hold Pre-spud meeting. Continue RIH BHA to 4,040m. Jetting from 4,040 to 4,114m. Confirm seabed depth @4,078.3m.

Recommendation

Add Caustic soda and XCD-polymer to Kill mud for condition pH and F/Vis.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top													
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Daily Cost	66,250
Total Cost	158,097,100

MATERIALS REPORT

NO. 110

Well Name NanTro SEIZE Stage.2

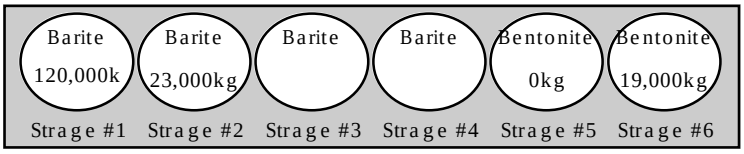
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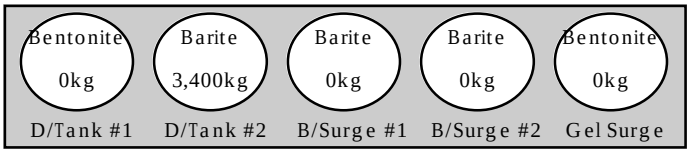
TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			19,000kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			3,400kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	





Total Bulk Tank W.T. 165,400kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				178,600		146,400	
Kunigel-VO(Bulk)	47,500		218,800				199,800		19,000	
NaOH	150,000		9,475			25	5,250	3,750	4,225	
KOH	330,000		3,300				3,150		150	
Lime	41,600		10,800				5,375		5,425	
Soda Ash	90,000		1,600		1,600				0	
Tel-Polymer(H)	1,550,000		6,100		660		5,440		0	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400		240		21,160		0	
XCD Polymer	2,500,000		1,400			25	475	62,500	925	
Xan-Vis	2,500,000		4,950		575		4,375		0	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600		5,000		24,600		0	
Clean Lube	550,000		43,400		8,000		35,400		0	
Tel-Clean	900,000									
Lignate NC	377,000		3,600		3,600				0	
Telnite GXL	3,900,000		720				288		432	
Baracor 100	92,000		220				165		55	55gal/drm
Telnite OS-5	3,000,000		375				345		30	
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800		600		5,200		0	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000		1,000				0	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990		3,390		600		0	
TAN CAL F	36,000		3,960		3,360		600		0	
Rester	528,000		8,000						8,000	

BALLAST REPORT(Off Shore)

NO. 110

DATE 26, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.31sg	68.0KL	68.0KL	1.5KL	
Active #2	Pre-hy gel slurry	1.06sg	36.0KL	36.0KL	1.5KL	
Active #3	Empty		1.5KL	1.5KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	47.6KL	47.6KL	1.5KL	
Active #5	Seawater gel slurry	1.04sg	68.9KL	68.9KL	1.5KL	
Active #6	Seawater	1.03sg	59.0KL	59.0KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Suspend fluid	1.03sg	20.6KL	20.6KL	0.1KL	

Chemical Tank

Unit(kg)

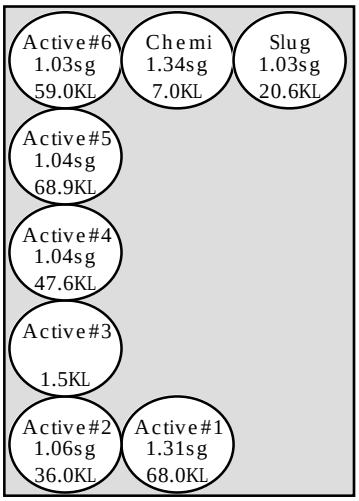
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	19,000kg	
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	3,400kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 165.4 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	137.6KL	137.6KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	167.5KL	167.5KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1403.4 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		178,600	146,400	
Kunigel-VO(Bulk)		218,800		199,800	19,000	
NaOH		9,475	25	5,250	4,225	
KOH		3,300		3,150	150	
Lime		10,800		5,375	5,425	
Soda Ash		1,600			0	
Tel-Polymer(H)		6,100		5,440	0	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	0	
XCD Polymer		1,400	25	475	925	
Xan-Vis		4,950		4,375	0	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	0	
Clean Lube		43,400		35,400	0	
Tel-Clean						
Lignate NC		3,600			0	
Telnite GXL		720		288	432	
Baracor 100		220		165	55	55gal/drm
Telnite OS-5		375		345	30	
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	0	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			0	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 41.9 ton

Total Weight 1,610.7 ton

Made by : Maruyama

Drilling Mud Report(Off Shore)

Telnite

No. 111

Company MQJ

Date 27, August, 2009

Well Name NanTro SEIZE Stage.2

Engineer Maruyama

TOTAL Depth(MSL) 4,618.7 m

BRT Depth: 4,647.0 m , SSL Depth: 569.7 m

Casing Program			Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	in	m	Riser Vol. (m^3) :		Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	19
Intermediate	in	m	CSG Vol. (m^3) :		Pump No.2 (l/st) :	19.45	DC1 Size (in) :	5	Bottom's Up :	15
Intermediate	in	m	B/Hole Vol. (m^3) :	43	Pump No.3 (l/st) :	19.45	DC2 Size (in) :	8.5	Surf to Surf :	34
Intermediate	in	m	Disp Vol. (m^3) :	4	P/Speed No.1 (spm) :	70	A/Vel DP (ft/min) :	143		
Intermediate	in	m	T/Circ Vol. (m^3) :	91	P/Speed No.2 (spm) :	70	A/Vel DC1(ft/min) :	138	System Total :	
Production	in	m	Pit Vol. (m^3) :		P/Speed No.3 (spm) :		A/Vel Riser(ft/min) :		P/ Press(Mpa) :	13.5
			Bit Size (inch) :	12.25	Rate (gal/min) :	698				

Mud Type: Seawater gel slurry	Mud Properties						Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)			17:30				Tel-Bar(Bulk)		178,600	
Depth (m)			SWG				Kunigel-VO(Bulk)		199,800	
Mud Weight (SG/PPG)			1.04	8.7			NaOH	250	5,500	37,500
Funnel Viscosity(sec./qt.)			136				KOH		3,150	
A.V(cps) at / cent.			/42.5				Lime	250	5,625	10,400
P.V(cps)			/ 18				Soda Ash			
Y.V(lb/100ft^2)			/ 49				Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)			/ 40				Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)			/ 41				Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)							XCD Polymer		475	
Cake Thickness(mm)							Xan-Vis		4,375	
pH(-)			10.8				NaCl(Bag)		168,000	
Pf(cc)							KCl(Bag)		130,000	
Pm(cc)							Clean Lube(L)		24,600	
Mf(cc)							Clean Lube		35,400	
Cl^-(mg/l)							Tel-Clean			
Sand Content(%)							Lignate NC			
Oil Content(% Vol.)							Telnite GXL		288	
Solid Content(% Vol.)							Baracor 100		165	
M.B.C.(cc/cc.mud)							Telnite OS-5		345	
Temperature(in/out cent.)			25				Bi-Carbonate			
HT-HP Filtrate(cc)							Treat HS		2,960	
HT-HP Filtrate Cake(mm)							EZ Spot			
K^+(mg/l)							Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)							Speeder(X)			
n Value(600rpm/300rpm)			0.34				Tel-DD		5,200	
k Value(600rpm/300rpm)			7.88				Deformer No.30C			
LGS/Drill Solids(% Vol.)							Tel-Stop(G)			
							Tel-Stop(P)			
							Tel-Mica(C)			
							Tel-Mica(M)			
							Tel-Mica(F)			
							Tel-Plug(C)			
							Tel-Plug(M)			
							Tel-Plug(F)		400	
							CaCl2(without water)			
							TAN CAL C			
							TAN CAL M		600	
							TAN CAL F		600	
							Rester			

VG METER READING													
Time	Temp		600rpm		300rpm		200rpm		100rpm		6rpm		3rpm
17:30	25		85		67		44		40		38		38

Well Summary

Jetting f/4,111 t/4,118mBRT. Start rotation and Drill 12-1/4" hole f/4,118 t/4,647mBRT.

Recommendation

Mixed 116.5m3 of Seawater gel slurry.
Mixed 48m3 of Pre-seawater.
Used 68.5m3 of Pre-hydrated gel slurry.
Used 119.6m3 of Seawater gel slurry (Toatal used :119.6m3).
Loading Bentonite to rig.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top							#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Daily Cost	47,900
Total Cost	158,145,000

MATERIALS REPORT

NO. 111

Well Name NanTro SEIZE Stage.2

DATE 27. Aug. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite	60,000kg		79,000kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			3,400kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 23,000kg	Barite	Barite	Bentonite 0kg	Bentonite 79,000kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 0kg	Barite 3,400kg	Barite 0kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 225,400kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				178,600		146,400	
Kunigel-VO(Bulk)	47,500	60,000	278,800				199,800		79,000	
NaOH	150,000		9,475			250	5,500	37,500	3,975	
KOH	330,000		3,300				3,150		150	
Lime	41,600		10,800			250	5,625	10,400	5,175	
Soda Ash	90,000		1,600		1,600				0	
Tel-Polymer(H)	1,550,000		6,100		660		5,440		0	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400		240		21,160		0	
XCD Polymer	2,500,000		1,400				475		925	
Xan-Vis	2,500,000		4,950		575		4,375		0	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600		5,000		24,600		0	
Clean Lube	550,000		43,400		8,000		35,400		0	
Tel-Clean	900,000									
Lignate NC	377,000		3,600		3,600				0	
Telnite GXL	3,900,000		720				288		432	
Baracor 100	92,000		220				165		55	55gal/drm
Telnite OS-5	3,000,000		375				345		30	
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800		600		5,200		0	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000		1,000				0	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990		3,390		600		0	
TAN CAL F	36,000		3,960		3,360		600		0	
Rester	528,000		8,000						8,000	

BALLAST REPORT(Off Shore)

NO. 111

DATE 27, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.31sg	68.0KL	68.0KL	1.5KL	
Active #2	Empty		1.5KL	1.5KL	1.5KL	
Active #3	Empty		1.5KL	1.5KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	68.2KL	68.2KL	1.5KL	
Active #5	Seawater gel slurry	1.04sg	45.2KL	45.2KL	1.5KL	
Active #6	Seawater	1.03sg	46.0KL	46.0KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Suspend fluid	1.03sg	20.6KL	20.6KL	0.1KL	

Chemical Tank

Unit(kg)

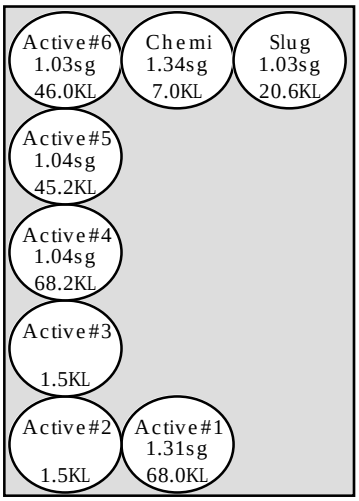
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	79,000kg	
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	3,400kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 225.4 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	137.6KL	137.6KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	135.0KL	135.0KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1314.5 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		178,600	146,400	
Kunigel-VO(Bulk)	60,000	278,800		199,800	79,000	
NaOH		9,475	250	5,500	3,975	
KOH		3,300		3,150	150	
Lime		10,800	250	5,625	5,175	
Soda Ash		1,600			0	
Tel-Polymer(H)		6,100		5,440	0	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	0	
XCD Polymer		1,400		475	925	
Xan-Vis		4,950		4,375	0	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	0	
Clean Lube		43,400		35,400	0	
Tel-Clean						
Lignate NC		3,600			0	
Telnite GXL		720		288	432	
Baracor 100		220		165	55	55gal/drm
Telnite OS-5		375		345	30	
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	0	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			0	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 41.4 ton

Total Weight 1,581.3 ton

Made by : Maruyama

Drilling Mud Report(Off Shore)

Telnite

No. 112 | Date 28, August, 2009 | Engineer I. Torimoto

Company MQJ | Well Name NanTro SEIZE Stage.2 | TOTAL Depth(MSL) 4,871.7 m | BRT Depth: 4,900.0 m , SSL Depth: 822.7 m

Casing Program			Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Suface	in	m	Riser Vol. (m^3) :		Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Suface to Bit :	20
Intermediate	in	m	CSG Vol. (m^3) :		Pump No.2 (l/st) :	19.45	DC1 Size (in) :	5	Bottom's Up :	22
Intermediate	in	m	B/Hole Vol. (m^3) :	63	Pump No.3 (l/st) :	19.45	DC2 Size (in) :	8.5	Surf to Surf :	42
Intermediate	in	m	Disp Vol. (m^3) :	5	P/Speed No.1 (spm) :	70	A/Vel DP (ft/min) :	143		
Intermediate	in	m	T/Circ Vol. (m^3) :	112	P/Speed No.2 (spm) :	70	A/Vel DC1 (ft/min) :	138	System Total :	
Production	in	m	Pit Vol. (m^3) :		P/Speed No.3 (spm) :		A/Vel Rise (ft/min) :		P/ Press(Mpa) :	13.8
			Bit Size (inch) :	12.25	Rate (gal/min) :	698				

Mud Type: Seawater gel slurry

Mud Properties				Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	15:00	21:00		Tel-Bar(Bulk)		178,600	
Depth (m)	SWG	Kill Mud		Kunigel-VO(Bulk)		199,800	
Mud Weight (SG/PPG)	1.04 8.7	1.30 10.8		NaOH	175	5,675	26,250
Funnel Viscosity(sec./qt.)	155	66		KOH		3,150	
A.V(cps) at / cent.	/ 61	42		Lime	125	5,750	5,200
P.V(cps)	/ 21	31		Soda Ash			
Y.V(lb/100ft^2)	/ 80	22		Tel-Polymer(H)		5,440	
10"Gel(lb/100ft^2)	/ 61	13		Tel-Polymer(L)		16,820	
10'Gel(lb/100ft^2)	/ 67	34		Tel-Polymer(DX)		21,160	
API Filtrate(cc/30min.)				XCD Polymer	25	500	62,500
Cake Thickness(mm)				Xan-Vis		4,375	
pH(-)	10.6	10.4		NaCl(Bag)		168,000	
Pf(cc)				KCl(Bag)		130,000	
Pm(cc)				Clean Lube(L)		24,600	
Mf(cc)				Clean Lube		35,400	
Cl^-(mg/l)				Tel-Clean			
Sand Content(%)				Lignate NC			
Oil Content(% Vol.)				Telnite GXL		288	
Solid Content(% Vol.)				Baracor 100		165	
M.B.C.(cc/cc.mud)				Telnite OS-5		345	
Temperature(in/out cent.)	25			Bi-Carbonate			
HT-HP Filtrate(cc)				Treat HS		2,960	
HT-HP Filtrate Cake(mm)				EZ Spot			
K^+(mg/l)				Speeder(P)			
Ca^{++}/Mg^{++}(mg/l)				Speeder(X)			
n Value(600rpm/300rpm)	0.27	0.66		Tel-DD		5,200	
k Value(600rpm/300rpm)	18.47	0.84		Deformer No.30C			
LGS/Drill Solids(% Vol.)				Tel-Stop(G)			
				Tel-Stop(P)			
				Tel-Mica(C)			
				Tel-Mica(M)			
				Tel-Mica(F)			
				Tel-Plug(C)			
				Tel-Plug(M)			
				Tel-Plug(F)		400	
				CaCl2(without water)			
				TAN CAL C			
				TAN CAL M		600	
				TAN CAL F		600	
				Rester			

VG METER READING

Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
15:00	25	122	101	96	81	62	58
21:00		84	53	37	33	23	13

Well Summary

Drill 12-1/4" hole to 4,707m. Wiper trip F/4,707 T/4,460m. Tight spot 4,678m take weight. Wash and log down to 4,707m. Drilling to 4,900m.

Recommendation

Mixed 66.0m3 of Seawater gel slurry(Toatal mixed volume:251.4m3).
Mixed 33.0m3 of Pre-seawater(Toatal mixed volume:115.0m3).
Used 33.0m3 of Pre-hydrated gel slurry(Toatal used volume:134.0m3).
Used 114.9m3 of Seawater gel slurry (Toatal used :234.5m3).
Add Caustic soda and XCD-polymer to Kill mud for condition pH and F/Vis.

Shale Shaker							D-Sander		Mud Cleaner		CentriFuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top													
Btm1									OFF	OFF	OFF	OFF	OFF
Btm2													

Daily Cost	93,950
Total Cost	158,238,950

MATERIALS REPORT

NO. 112

Well Name NanTro SEIZE Stage.2

DATE 28. Aug. 09

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			120,000kg	
Storage #2	Barite			23,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite			79,000kg	

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			0kg	
D/Tank #2	Barite			3,400kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			0kg	

Strage #1	Strage #2	Strage #3	Strage #4	Strage #5	Strage #6
Barite 120,000k	Barite 23,000kg	Barite	Barite	Bentonite 0kg	Bentonite 79,000kg

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 0kg	Barite 3,400kg	Barite 0kg	Barite 0kg	Bentonite 0kg

Total Bulk Tank W.T. 225,400kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Recieve	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar(Bulk)	41,000		325,000				178,600		146,400	
Kunigel-VO(Bulk)	47,500		278,800				199,800		79,000	
NaOH	150,000		9,475			175	5,675	26,250	3,800	
KOH	330,000		3,300				3,150		150	
Lime	41,600	3,000	13,800			125	5,750	5,200	8,050	
Soda Ash	90,000		1,600		1,600				0	
Tel-Polymer(H)	1,550,000		6,100		660		5,440		0	
Tel-Polymer(L)	1,550,000		17,980				16,820		1,160	
Tel-Polymer(DX)	1,150,000		21,400		240		21,160		0	
XCD Polymer	2,500,000	1,600	3,000			25	500	62,500	2,500	
Xan-Vis	2,500,000		4,950		575		4,375		0	
NaCl(Bag)	40,000		188,000				168,000		20,000	
KCl(Bag)	150,000		144,000		10,000		130,000		4,000	
Clean Lube(L)	580,000		29,600		5,000		24,600		0	
Clean Lube	550,000		43,400		8,000		35,400		0	
Tel-Clean	900,000									
Lignate NC	377,000		3,600		3,600				0	
Telnite GXL	3,900,000		720				288		432	
Baracor 100	92,000		220				165		55	55gal/drm
Telnite OS-5	3,000,000		375				345		30	
Bi-Carbonate	150,000									
Treat HS	800,000		4,300				2,960		1,340	
EZ Spot	1,560		550						550	
Speeder(P)	820,000		1,700						1,700	
Speeder(X)	870,000		1,700						1,700	
Tel-DD	640,000		5,800		600		5,200		0	
Deformer No.30C	3,250,000		224						224	
Tel-Stop(G)	240,000		500		500				0	
Tel-Stop(P)	240,000		1,000		1,000				0	
Tel-Mica(C)	450,000		500		500				0	
Tel-Mica(M)	450,000		500		500				0	
Tel-Mica(F)	450,000		1,000		1,000				0	
Tel-Plug(C)	350,000		500		500				0	
Tel-Plug(M)	350,000		500		500				0	
Tel-Plug(F)	350,000		1,000		600		400		0	
CaCl2(without water)	300,000									
TAN CAL C	36,000									
TAN CAL M	36,000		3,990		3,390		600		0	
TAN CAL F	36,000		3,960		3,360		600		0	
Rester	528,000		8,000						8,000	

BALLAST REPORT(Off Shore)

NO. 112

DATE 28, Aug, 09

TIME 24:00

Well Name NanTro SEIZE Stage.2

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Kill mud	1.31sg	68.0KL	68.0KL	1.5KL	
Active #2	Kill mud	1.30sg	70.7KL	70.7KL	1.5KL	
Active #3	Empty		1.5KL	1.5KL	1.5KL	
Active #4	Seawater gel slurry	1.04sg	2.2KL	2.2KL	1.5KL	
Active #5	Seawater gel slurry	1.04sg	62.3KL	62.3KL	1.5KL	
Active #6	Seawater	1.03sg	51.6KL	51.6KL	1.5KL	
Chemical	Slug Mud	1.34sg	7.0KL	7.0KL	0.1KL	
Slug	Suspend fluid	1.03sg	20.6KL	20.6KL	0.1KL	

Chemical Tank

Unit(kg)

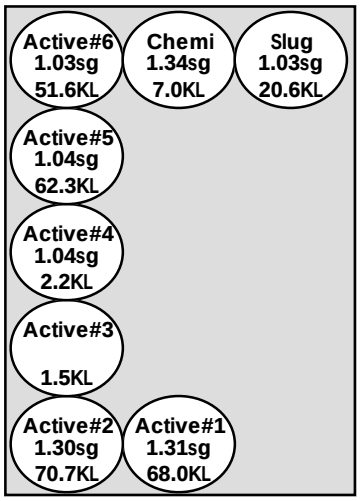
Tank Name	Status	Weight	Monitor
Storage #1	Barite	120,000kg	
Storage #2	Barite	23,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite	79,000kg	
Daily Tank#1	Bentonite	0kg	
Daily Tank #2	Barite	3,400kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	0kg	

Chemical Tank Total WT 225.4 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Kill mud	1.30sg	65.2KL	65.2KL	3.8KL	
Reserve #2	Pre-hy gel slurry	1.05sg	102.0KL	102.0KL	3.8KL	
Reserve #3	KNPP	1.10sg	169.2KL	169.2KL	3.8KL	
Reserve #4	KNPP	1.10sg	170.7KL	170.7KL	3.8KL	
Reserve #5	KNPP	1.10sg	158.4KL	158.4KL	3.8KL	
Reserve #6	KNPP	1.10sg	146.1KL	146.1KL	3.8KL	
Reserve #7					3.8KL	
Reserve #8					3.8KL	
Sand Trap						
Degasser						
Desander						
Desilter						
Soli/con CF						
Mud Return						
Barite Rec CF						

Mud Tank Total WT 1232.5 ton



Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar(Bulk)		325,000		178,600	146,400	
Kunigel-VO(Bulk)		278,800		199,800	79,000	
NaOH		9,475	175	5,675	3,800	
KOH		3,300		3,150	150	
Lime	3,000	13,800	125	5,750	8,050	
Soda Ash		1,600			0	
Tel-Polymer(H)		6,100		5,440	0	
Tel-Polymer(L)		17,980		16,820	1,160	
Tel-Polymer(DX)		21,400		21,160	0	
XCD Polymer	1,600	3,000	25	500	2,500	
Xan-Vis		4,950		4,375	0	
NaCl(Bag)		188,000		168,000	20,000	
KCl(Bag)		144,000		130,000	4,000	
Clean Lube(L)		29,600		24,600	0	
Clean Lube		43,400		35,400	0	
Tel-Clean						
Lignate NC		3,600			0	
Telnite GXL		720		288	432	
Baracor 100		220		165	55	55gal/drm
Telnite OS-5		375		345	30	
Bi-Carbonate						
Treat HS		4,300		2,960	1,340	
EZ Spot		550			550	
Speeder(P)		1,700			1,700	
Speeder(X)		1,700			1,700	
Tel-DD		5,800		5,200	0	
Deformer No.30C		224			224	
Tel-Stop(G)		500			0	
Tel-Stop(P)		1,000			0	
Tel-Mica(C)		500			0	
Tel-Mica(M)		500			0	
Tel-Mica(F)		1,000			0	
Tel-Plug(C)		500			0	
Tel-Plug(F)		1,000		400		
CaCl2(without water)						

Total SX ROOM Weight 45.7 ton

Total Weight 1,503.6 ton

Made by : I. Torimoto