Drilling Mud Report(Off Shore)

No. 22

Company MQJ

Date 10, November, 2013

Well Name C0002N (NT3-01)

Engineer M.Sawaguchi K.Mori

TOTAL Depth(MSL) 3,947.5 m

BRT Depth: 3,976.0 m , SSL Depth: 2,008.5 m

Casing Program				Mud Volume & Bit Data			Pump Data			String Data			Circulation Data (min)		
Conductor	36 in	2,121.5 m		Riser Vol.	(m^3) :	392	Pump No.1	(l/st) :	19.45	DP Size	(in) :	5.5	Surface to Bit	:	12
Intermediate	20 in	2,827.8 m		CSG Vol.	(m^3) :	143	Pump No.2	(l/st) :	19.45	DC1 Size	(in) :	8.5	Bottom's Up	:	164
Intermediate	in	m		B/Hole Vol.	(m^3) :	171	Pump No.3	(l/st) :	19.45	DC2 Size	(in) :		Surf to Surf	:	176
Intermediate	in	m		Disp Vol.	(m^3) :	27	P/Speed No.1	(spm) :	85	A/Vel DP	(ft/min) :	80	System Total	:	191
Intermediate	in	m		T/Circ Vol.	(m^3) :	729	P/Speed No.2	(spm) :	85	A/Vel DC1	(ft/min) :		P/ Press(Mpa)	:	29.9
Intermediate	in	m		Pit Vol.	(m^3) :	50	P/Speed No.3	(spm) :	80	A/Vel Riser	(ft/min) :				
Production	in	m		Bit Size	(inch) :	17	Rate	(gal/min) :	1,246						

Mud Type: KNPP	Mud Properties					
Time (Sampling : Suction)	4:00		16:00		3:00	
Depth (m)	Pit		Pit		Hivis	
Mud Weight (SG/PPG)	1.13	9.4	1.13	9.4	1.12	9.3
Funnel Viscosity(sec./qt.)	76		74		300	
A.V(cps) at /49 cent.	45.5		44 /23.5		129	
P.V(cps)	29		29 / 16		73	
Y.V(lb/100ft^2)	33		30 / 15		112	
10"Gel(lb/100ft^2)	5		4 / 2		40	
10'Gel(lb/100ft^2)	8		8 / 4		49	
API Filtrate(cc/30min.)	3.7		3.7			
Cake Thickness(mm)	0.5		0.5			
pH(-)	11.8		11.7		9.7	
Pf(cc)	0.2		0.2			
Pm(cc)	8.2		7.8			
Mf(cc)	0.7		0.6			
Cl^-(mg/l)	81,700		78,100			
Sand Content(%)	0.2		0.2			
Oil Content(% Vol.)	0		0			
Solid Content(% Vol.)	8		8			
M.B.C.(cc/cc.mud)	1.00		0.75			
Temperature(in/out cent.)	17		18		24	
HT-HP Filtrate(cc)						
HT-HP Filtrate Cake(mm)						
K^+(mg/l)	29,300		28,100			
Ca^{++}/Mg^{++}(mg/l)	80		80	0		
n Value(600rpm/300rpm)	0.55		0.60		0.48	
k Value(600rpm/300rpm)	1.97		0.73		9.29	
LGS/Drill Solids(% Vol.)	2.5	1.9	2.7	2.3		

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar		[redacted]	
Kunigel VO (Bulk)		[redacted]	
NaCL	[redacted]	[redacted]	[redacted]
KCL		[redacted]	
Tel-Polymer DX		[redacted]	
Tel-Polymer L		[redacted]	
Tel-Polymer H	[redacted]	[redacted]	[redacted]
XCD-Polymer	[redacted]	[redacted]	[redacted]
Soda Ash		[redacted]	
Caustic potash		[redacted]	
Clean Lube	[redacted]	[redacted]	[redacted]
Tel Clean	[redacted]	[redacted]	[redacted]
Bi-Carbonate		[redacted]	
Lime		[redacted]	
Defoamer 30C		[redacted]	
Telnite GXL			
Tel-DD			
Caustic soda		[redacted]	
Lignate NC			
Tel Stop G			
Tel Stop P			
Tel Mica C			
Tel Mica M			
Tel Mica F			
Tel Plug C			
Tel Plug M			
Tel Plug F			
Tan Cal M			
Tan Cal F			
Tan Cal FF			
EZ Spot (gal/drm)			
Speeder P			
Speeder X			

VG METER READING

Time	Temp		600rpm		300rpm		200rpm		100rpm		6rpm		3rpm	
4:00			91		62		48		32		6		4	
16:00	18	49	88	47	59	31	46	24	30	16	6	3	4	2
3:00			258		185		161		119		46		37	

Well Summary

POOH to 3,771m. Pump and back ream F/3,771m-T/3,489m.
POOH to 2805m. Pump 5m3 Slug mud. POOH for change BHA.

Made 92m3 of Hi-vis mud

On hand and Remarks

1.11sg KNPP mud : 93m3 @Res#1
1.08sg KNPP mud : 89m3 @Act#5 and Res#2,
1.12sg 300qt/sec Hi-vis mud : 143m3 @Act#1, Act#2 and Act#3
1.26sg Slug mud: 6m3@slug tank

Shale Shaker							De-Sander		Mud Cleaner		Centrifuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	20	20	20	20	20	20							
Btm1	200	200	200	200	200	200					OFF	OFF	OFF
Btm2	200	200	200	200	200	200							

Daily Cost	[redacted]
Total Cost	[redacted]

MATERIALS REPORT

NO. 22

Well Name C0002N (NT3-01)

DATE 10. Nov. 13

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			134,000kg	
Storage #2	Barite			92,000kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			10,000kg	
D/Tank #2	Barite			0kg	
Bar/Surge #1	Barite			6,000kg	
Bar/Surge #2	Barite			500kg	
Gel Surge	Bentonite			2,000kg	

Storage #1	Storage #2	Storage #3	Storage #4	Storage #5	Storage #6
Barite 134,000k	Barite 92,000kg	Barite	Barite	Bentonite 0kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 10,000kg	Barite 0kg	Barite 6,000kg	Barite 500kg	Bentonite 2,000kg

Total Bulk Tank W.T. 244,500kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Receive	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar	41,000		263,240				30,740		232,500	
Kunigel VO (Bulk)	47,500		29,460				17,460		12,000	
NaCL	40,000		116,000			2,000	79,000	80,000	37,000	
KCL	150,000		96,000				87,000		9,000	
Tel-Polymer DX	1,150,000		17,800				15,620		2,180	
Tel-Polymer L	1,550,000		11,920				10,020		1,900	
Tel-Polymer H	1,550,000		3,600			120	3,320	186,000	280	
XCD-Polymer	2,500,000		4,300			100	3,175	250,000	1,125	
Soda Ash	90,000		4,425				3,900		525	
Caustic potash	406,800		4,075				2,775		1,300	
Clean Lube	550,000		68,000			1,600	64,000	880,000	4,000	
Tel Clean	900,000		4,800			1,600	4,800	1,440,000	0	
Bi-Carbonate	150,000		3,000				900		2,100	
Lime	41,600		1,400				160		1,240	
Defoamer 30C	3,250,000		224				16		208	
Telnite GXL	3,900,000		54						54	
Tel-DD	640,000		3,200						3,200	
Caustic soda	150,000		1,000				200		800	
Lignate NC	377,000		2,000						2,000	
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	
Tan Cal M	40,000		1,920						1,920	
Tan Cal F	40,000		1,920						1,920	
Tan Cal FF	70,000									
EZ Spot (gal/drm)	85,800		550						550	¥85,800/drm
Speeder P	820,000		1,700						1,700	
Speeder X	870,000		1,700						1,700	

BALLAST REPORT(Off Shore)

NO. 22

DATE 10, Nov, 13

TIME 24:00

Well Name C0002N (NT3-01)

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Hi-vis mud	1.12sg	51.0KL			for flush and spot
Active #2	Hi-vis mud	1.12sg	46.0KL			for flush and spot
Active #3	Hi-vis mud	1.12sg	46.0KL			for flush and spot
Active #4	KNPP	1.12sg	30.0KL			Circulation
Active #5	KNPP	1.08sg	60.0KL			Dilution
Active #6						
Chemical	Empty					
Slug	Slug mud	1.28sg	6.0KL			

Chemical Tank

Unit(kg)

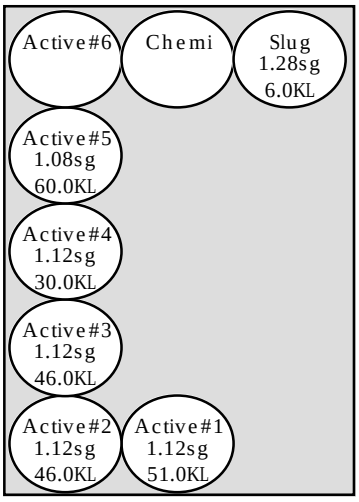
Tank Name	Status	Weight	Monitor
Storage #1	Barite	134,000kg	
Storage #2	Barite	92,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	10,000kg	
Daily Tank #2	Barite	0kg	
Bar/Surge #1	Barite	6,000kg	
Bar/Surge #2	Barite	500kg	
Gel/Surge #2	Bentonite	2,000kg	

Chemical Tank Total WT 244.5 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	KNPP	1.11sg	93.0KL			
Reserve #2	KNPP	1.08sg	29.0KL			
Reserve #3	Empty					
Reserve #4	Empty					
Reserve #5	Return SW	1.03sg	165.0KL			
Reserve #6	Empty					
Reserve #7	Empty					
Reserve #8	Empty					
Sand Trap	KNPP	1.12sg	10.0KL			
Degasser	KNPP	1.12sg	10.0KL			
Desander	KNPP	1.12sg	10.0KL			
Desilter	KNPP	1.12sg	10.0KL			
Soli/con CF	KNPP	1.12sg	10.0KL			
Mud Return	KNPP	1.12sg	10.0KL			
Barite Rec CF	Drill water	1.00sg				

Mud Tank Total WT 637.9 ton



Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		263,240		30,740	232,500	
Kunigel VO (Bulk)		29,460		17,460	12,000	

Total SX ROOM Weight 76.8 ton

Total Weight 959.2 ton

Made by : K.mori