

Drilling Mud Report(Off Shore)

Engineer **K.Mori**
M.Sawaguchi

No. **88**

Date **15, January, 2014**

TOTAL Depth(MSL) **4,903.5 m**

Company **MQJ**

Well Name **C0002P (NT3-01)**

BRT Depth: **4,932.0 m**, SSL Depth: **2,964.5 m**

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Conductor	36 in 2,121.5 m	Riser Vol. (m³) :	392	Pump No.1 (l/st) :	19.45	DP Size (in) :	5	Surface to Bit :	13
Intermediate	20 in 2,827.8 m	CSG Vol. (m³) :	154	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8.5	Bottom's Up :	137
Intermediate	13.375 in 3,976.5 m	B/Hole Vol. (m³) :	107	Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	150
Intermediate	in m	Disp Vol. (m³) :	23	P/Speed No.1 (spm) :	90	A/Vel DP (m/min) :	36	System Total :	179
Intermediate	in m	T/Circ Vol. (m³) :	730	P/Speed No.2 (spm) :	90	A/Vel DC1(m/min) :	47	P/ Press(Mpa) :	33.6
Intermediate	in m	Pit Vol. (m³) :	100	P/Speed No.3 (spm) :	90	A/Vel Riser(ft/min) :			
Production	in m	Bit Size (inch) :	14.5	Rate (gal/min) :	1,346				

Mud Type:	KNPP	Mud Properties				Materials Name		Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)		2:00	19:30							
Depth (m)		4932	4900	Hivis						
Mud Weight (SG/PPG)		1.32 11.0	1.32 11.0	1.32 11.0	Tel-Bar					
Funnel Viscosity(sec./qt.)		152	158	300	Kunigel VO (Bulk)					
A.V(cps) at / cent.		93	87 / 51.5	109	NaCL					
P.V(cps)		55	53 / 31	62	KCL			182,000		
Y.V(lb/100ft²)		76	68 / 41	94	Tel-Polymer DX					
10"Gel(lb/100ft²)		15	15 / 10	19	Tel-Polymer L					
10'Gel(lb/100ft²)		24	26 / 34	24	Tel-Polymer H					
API Filtrate(cc/30min.)		2.5	2.5		XCD-Polymer					
Cake Thickness(mm)		0.5	0.5		Soda Ash					
pH(-)		10.7	11.0	11.0	Caustic potash					
Pf(cc)		0.1	0.2		Clean Lube					
Pm(cc)		2.6	2.7		Tel Clean					
Mf(cc)		0.4	0.4		Bi-Carbonate					
Cl (mg/l)		120,700	120,700		Lime					
Sand Content(%)		0.2	0.2		Defoamer 30C					
Oil Content(% Vol.)		0	0		Telnite GXL					
Solid Content(% Vol.)		15	15		Tel-DD					
M.B.C.(cc/cc.mud)		2.25	2.25		Caustic soda					
Temperature(in/out cent.)		15 12	13 12	16	Lignite NC					
HT-HP Filtrate(cc)					Astex S					
HT-HP Filtrate Cake(mm)					Xanvis					
K' (mg/l)		37,200	37,200		Tel Stop G					
Ca ⁺⁺ /Mg ⁺⁺ (mg/l)		80 49	80 49		Tel Stop P					
n Value(600rpm/300rpm)		0.51	0.52	0.48	Tel Mica C					
k Value(600rpm/300rpm)		5.60	2.88	7.69	Tel Mica M					
LGS/Drill Solids(% Vol.)		2.7 1.5	2.7 1.5		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					
					Treat HS					

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
2:00		186	131	106	74	20	15
19:30		174 103	121 72	97 59	68 42	18 12	14 10
		218	156	137	98	25	19

Well Summary
 Circulation at 4932m. Spot 20m3 of 1.43sg Hivis. Pump out 4932m- 4845m tight spot. POOH to 3896m. Pump down from 3919m to 4500m. Ream down f/4500m t/4932m. Circ. Sweep out 10m3 hi-vis three times.

Run Centrifuge No.1 (19:00- 24:00)
 Added 200g of Caustic potash into circulation mud.
 Made 35m3 of Hivis mud.

On hand and Remarks
 1.32sg KNPP(Circ) mud: 40m3 @Act#1
 1.29sg KNPP(Circ) mud: 35m3 @Act#2
 1.32sg Hi-vis mud : 42m3 @Act#6
 1.13sg 20%LCM mud :24m3 @Act#3
 Today's lost mud --m3. (Total 496m3).

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	180	230	230	180	230	180					ON	OFF	OFF
Btm2	180	200	200	180	200	180							
Daily Cost													
Total Cost													

MATERIALS REPORT

NO. 88

Well Name C0002P (NT3-01)

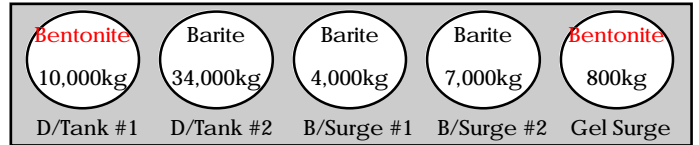
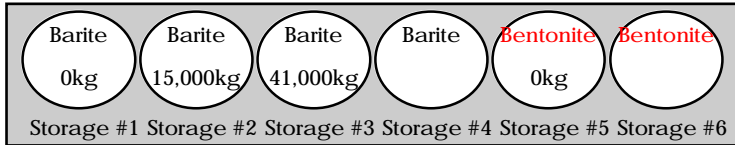
DATE 15. Jan. 14

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			0kg	
Storage #2	Barite			15,000kg	
Storage #3	Barite			41,000kg	
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite				

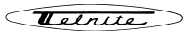
Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			10,000kg	
D/Tank #2	Barite		13,000kg	34,000kg	
Bar/Surge #1	Barite		2,000kg	4,000kg	
Bar/Surge #2	Barite	13,000kg	7,000kg	7,000kg	
Gel Surge	Bentonite			800kg	



Total Bulk Tank W.T. 111,800kg

(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		457,700			9,000	356,700	369,000	101,000	
Kunigel VO (Bulk)	47,500		29,460				18,660		10,800	
NaCl	40,000		200,000				190,000		10,000	
KCL	150,000		185,000				182,000		3,000	
Tel-Polymer DX	1,150,000		32,360			100	28,980	115,000	3,380	
Tel-Polymer L	1,550,000		19,840				18,320		1,520	
Tel-Polymer H	1,550,000		7,080				5,780		1,300	
XCD-Polymer	2,500,000		6,400				6,400		0	
Soda Ash	90,000		7,625				6,350		1,275	
Caustic potash	406,800		8,875			200	7,550	81,360	1,325	
Clean Lube	550,000		125,600				125,600		0	
Tel Clean	900,000		10,400			600	10,400	540,000	0	
Bi-Carbonate	150,000		3,000				2,000		1,000	
Lime	41,600		1,400				160		1,240	
Defoamer 30C	3,250,000		224				32		192	
Telnite GXL	3,900,000		180				18		162	
Tel-DD	640,000		3,200				800		2,400	
Caustic soda	150,000		1,000				200		800	
Lignate NC	377,000		2,000						2,000	
Astex S	1,250,000		19,000				16,600		2,400	
Xanvis	2,500,000		1,400			25	400	62,500	1,000	
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		2,000				1,000		1,000	
Tel Mica F	450,000		2,500				1,500		1,000	
Tel Plug C	350,000		500						500	
Tel Plug M	350,000		1,980				780		1,200	
Tel Plug F	350,000		1,980				1,000		980	
Tan Cal M	40,000		7,680				3,450		4,230	
Tan Cal F	40,000		7,680				3,180		4,500	
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	
Treat HS	800,000		2,160						2,160	



BALLAST REPORT(Off Shore)

NO. 88

Well Name C0002P (NT3-01)

DATE 15, Jan, 14

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	KNPP	1.32sg	40.0KL			
Active #2	KNPP	1.29sg	35.0KL			
Active #3	20%LCM mud	1.13sg	24.0KL			
Active #4	KNPP	1.32sg	40.0KL			Circ mud
Active #5	KNPP	1.32sg	40.0KL			Circ mud
Active #6	Hi-Vis mud	1.32sg	42.0KL			
Chemical	Empty					
Slug	Slug mud	1.60sg	17.0KL			

Chemical Tank

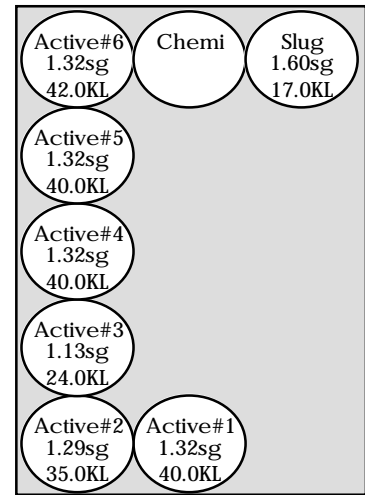
Tank Name	Status	Weight	Monitor
Storage #1	Barite	0kg	
Storage #2	Barite	15,000kg	
Storage #3	Barite	41,000kg	
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank #1	Bentonite	10,000kg	
Daily Tank #2	Barite	34,000kg	
Bar/Surge #1	Barite	4,000kg	
Bar/Surge #2	Barite	7,000kg	
Gel/Surge #2	Bentonite	800kg	

Chemical Tank Total WT 111.8 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Seawater	1.03sg	17.0KL			
Reserve #2	Empty					
Reserve #3	Empty					
Reserve #4	Empty					
Reserve #5	Empty					
Reserve #6	Empty					
Reserve #7	Empty					
Reserve #8	Empty					
Sand Trap	KNPP	1.32sg	10.0KL			
Degasser	KNPP	1.32sg	10.0KL			
Desander	KNPP	1.32sg	10.0KL			
Desilter	KNPP	1.32sg	10.0KL			
Soli/con CF	KNPP	1.32sg	10.0KL			
Mud Return	KNPP	1.32sg	10.0KL			
Barite Rec CF	Drill water	1.00sg				

Mud Tank Total WT 410.0 ton

Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		457,700	9,000	356,700	101,000	
Kunigel VO (Bulk)		29,460		18,660	10,800	

Total SX ROOM Weight 49.0 ton

Total Weight 570.8 ton

Made by : M.sawaguchi