

Drilling Mud Report(Off Shore)

Engineer M.Sawaguchi
K.Mori

No. 26

Date 14, November, 2013

TOTAL Depth(MSL) 4,269.0 m

Company MQJ

Well Name C0002N (NT3-01)

BRT Depth: 4,297.5 m, SSL Depth: 2,330.0 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)	5.5	Surface to Bit	11
Intermediate	20 in 2,827.8 m	CSG Vol. (m³)	143	Pump No.2 (l/st)	19.45	DC1 Size (in)	8.5	Bottom's Up	154
Intermediate	in m	B/Hole Vol. (m³)	219	Pump No.3 (l/st)	19.45	DC2 Size (in)		Surf to Surf	165
Intermediate	in m	Disp Vol. (m³)	29	P/Speed No.1 (spm)	100	A/Vel DP (ft/min)	95	System Total	178
Intermediate	in m	T/Circ Vol. (m³)	775	P/Speed No.2 (spm)	100	A/Vel DC1(ft/min)		P/ Press(Mpa)	34.4
Intermediate	in m	Pit Vol. (m³)	50	P/Speed No.3 (spm)	80	A/Vel Riser(ft/min)			
Production	in m	Bit Size (inch)	17	Rate (gal/min)	1,396				

Mud Type:	KNPP	Mud Properties				Materials Name		Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)		3:00	17:00	7:30	Tel-Bar					
Depth (m)		4297.5	4297.5	HiVis	Kunigel VO (Bulk)					
Mud Weight (SG/PPG)		1.13 9.4	1.13 9.4	1.12 9.3	NaCL					
Funnel Viscosity(sec./qt.)		140	128	263	KCL					
A.V(cps) at / cent.		76	65 / 39	114	Tel-Polymer DX					
P.V(cps)		46	40 / 23	63	Tel-Polymer L					
Y.V(lb/100ft²)		60	50 / 32	102	Tel-Polymer H					
10"Gel(lb/100ft²)		11	9 / 5	16	XCD-Polymer					
10'Gel(lb/100ft²)		14	12 / 7	26	Soda Ash					
API Filtrate(cc/30min.)		3.1	3.1		Caustic potash					
Cake Thickness(mm)		0.5	0.5		Clean Lube					
pH(-)		10.6	10.2	9.9	Tel Clean					
Pf(cc)		0.1	0.1		Bi-Carbonate					
Pm(cc)		2.7	2.5		Lime					
Mf(cc)		0.3	0.3		Defoamer 30C					
Cl (mg/l)		78,100	78,100		Telnite GXL					
Sand Content(%)		0.2	0.2		Tel-DD					
Oil Content(% Vol.)		0	0		Caustic soda					
Solid Content(% Vol.)		7.5	7.5		Lignite NC					
M.B.C.(cc/cc.mud)		0.75	1.00		Astex S					
Temperature(in/out cent.)		13 10	14 11	23	Tel Stop G					
HT-HP Filtrate(cc)					Tel Stop P					
HT-HP Filtrate Cake(mm)					Tel Mica C					
K' (mg/l)		26,900	26,900		Tel Mica M					
Ca ⁺⁺ /Mg ⁺⁺ (mg/l)		80 0	80 0		Tel Mica F					
n Value(600rpm/300rpm)		0.52	0.50	0.47	Tel Plug C					
k Value(600rpm/300rpm)		4.14	2.37	9.00	Tel Plug M					
LGS/Drill Solids(% Vol.)		1.8 1.3	1.8 1.2		Tel Plug F					
					Tan Cal M					
					Tan Cal F					
					Tan Cal FF					
					EZ Spot (gal/drm)					
					Speeder P					
					Speeder X					

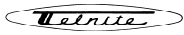
VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
3:00		152	106	86	60	14	10
17:00	15 49	130 78	90 55	73 44	50 30	13 7	9 5
7:30		228	165	129	84	23	16

Well Summary
Wash down from 4,294m to 4,297.5m. Circulation. Sweep out 15m3 -Hivis mud x3times(Total 45m3), bottom's up. Wiper Trip to 3,985m. Run back bottom. Sweep out 15m3 Hivis mud x 2times(Total 30m3),Circ & bottom's up. Sweep out 15m3 Hivis mud x 2times(Total 30m3), Circ & bottom's up. Spot 50m3 of Hivis mud. POOH to 4233m.Unable to pass 4254m,pump and worl pipe. RIH from 4254m to 4297m with pump down. 2m fill on bottom. POOH.

Today's lost mud 17m3. (Total 223m3)
Made 4m3 of 10% LCM mud. Made 65m3 of Hi-vis mud.

On hand and Remarks
1.13sg KNPP mud : 189m3 @Res#4 and Act#6 (circ mud)
1.08sg KNPP mud : 22m3 @Act#5 (new mud),
1.04sg KNPP mud : 64m3 @Act#3 (new mud)
1.12sg 300qt/sec Hi-vis mud : 110m3 @Act#1,and Act#2.
1.12sg 10%LCM mud :11m3 @Chemical tank, 1.28sg Slug mud: 13m3 @slug tank

Shale Shaker						De-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	175	175	180	180	180	180					OFF	OFF	OFF
Btm2	175	175	180	180	180	180							
Daily Cost													
Total Cost													



BALLAST REPORT(Off Shore)

NO. 26

Well Name C0002N (NT3-01)

DATE 14, Nov, 13

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Hi-vis mud	1.12sg	11.0KL			for flush and spot
Active #2	MT					for flush and spot
Active #3	KPP	1.04sg	64.0KL			
Active #4	KNPP	1.13sg	50.0KL			Circ mud
Active #5	KNPP	1.08sg	22.0KL			Dilution
Active #6	KNPP	1.13sg	78.0KL			Circ mud
Chemical	10% LCM	1.12sg	12.0KL			
Slug	Slug mud	1.28sg	13.0KL			

Chemical Tank

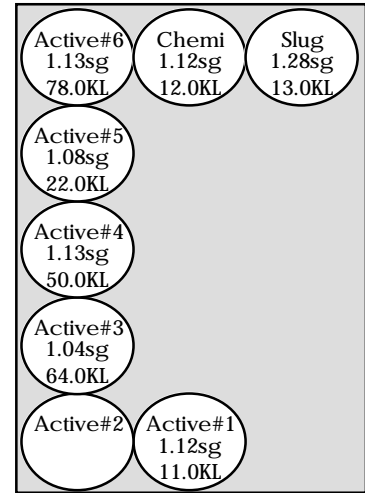
Tank Name	Status	Weight	Monitor
Storage #1	Barite	134,000kg	
Storage #2	Barite	92,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank #1	Bentonite	10,000kg	
Daily Tank #2	Barite	0kg	
Bar/Surge #1	Barite	3,800kg	
Bar/Surge #2	Barite	500kg	
Gel/Surge #2	Bentonite	2,000kg	

Chemical Tank Total WT 242.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Empty					
Reserve #2	Empty					
Reserve #3	Empty					
Reserve #4	KNPP	1.13sg	111.0KL			Circ mud
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 639.9 ton

Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		263,240		32,940	230,300	
Kunigel VO (Bulk)		29,460		17,460	12,000	

Total SX ROOM Weight 105.0 ton

Total Weight 987.2 ton

Made by : K.mori