

Drilling Mud Report(Off Shore)

Engineer **K.Mori**
H.Ito

No. **34**

Date **22, November, 2013**

TOTAL Depth(MSL) **4,269.0m**

Company **MOJ**

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)		Surface to Bit	:
Intermediate	20 in 2,827.8 m	CSG Vol. (m³)	143	Pump No.2 (l/st)	19.45	DC1 Size (in)		Bottom's Up	:
Intermediate	13.375 in 3,978.3 m	B/Hole Vol. (m³)	219	Pump No.3 (l/st)	19.45	DC2 Size (in)		Surf to Surf	:
Intermediate	in m	Disp Vol. (m³)	29	P/Speed No.1 (spm)		A/Vel DP (ft/min)		System Total	:
Intermediate	in m	T/Circ Vol. (m³)	825	P/Speed No.2 (spm)		A/Vel DC1(ft/min)		P/ Press(Mpa)	:
Intermediate	in m	Pit Vol. (m³)	100	P/Speed No.3 (spm)		A/Vel Rise(ft/min)			
Production	in m	Bit Size (inch)		Rate (gal/min)					

Mud Type:	KNPP	Mud Properties				Materials Name		Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)		3:00	17:00		Tel-Bar					
Depth (m)		3760	Pit		Kunigel VO (Bulk)					
Mud Weight (SG/PPG)		1.13	9.4	1.13	9.4	NaCl				
Funnel Viscosity(sec./qt.)		130	103		KCL					
A.V(cps) at /49 cent.		70	62 / 37		Tel-Polymer DX					
P.V(cps)		42	40 / 23		Tel-Polymer L					
Y.V(lb/100ft²)		56	44 / 28		Tel-Polymer H					
10"Gel(lb/100ft²)		10	8 / 5		XCD-Polymer					
10'Gel(lb/100ft²)		12	10 / 7		Soda Ash					
API Filtrate(cc/30min.)		3.0	3.0		Caustic potash					
Cake Thickness(mm)		0.5	0.5		Clean Lube					
pH(-)		10.0	10.0		Tel Clean					
Pf(cc)		0.1	0.1		Bi-Carbonate					
Pm(cc)		2.2	1.8		Lime					
Mf(cc)		0.3	0.3		Defoamer 30C					
Cl (mg/l)		71,000	70,300		Telnite GXL					
Sand Content(%)		0.1	0.1		Tel-DD					
Oil Content(% Vol.)		0	0		Caustic soda					
Solid Content(% Vol.)		7	7		Lignite NC					
M.B.C.(cc/cc.mud)		1.00	1.00		Astex S					
Temperature(in/out cent.)		10	15		Tel Stop G					
HT-HP Filtrate(cc)					Tel Stop P					
HT-HP Filtrate Cake(mm)					Tel Mica C					
K' (mg/l)		26,500	28,100		Tel Mica M					
Ca ⁺⁺ /Mg ⁺⁺ (mg/l)			80 / 0		Tel Mica F					
n Value(600rpm/300rpm)		0.51	0.54		Tel Plug C					
k Value(600rpm/300rpm)		3.96	1.79		Tel Plug M					
LGS/Drill Solids(% Vol.)		1.1	0.6	1.1	0.5	Tel Plug F				
					Tan Cal M					
					Tan Cal F					
					Tan Cal FF					
					EZ Spot (gal/drm)					
					Speeder P					
					Speeder X					

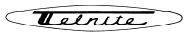
VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
3:00		140	98	78	54	13	10
17:00	15 49	124 74	84 51	67 41	46 28	11 6	7 4

Well Summary
 RIH 1/3696m 1/3978.3m. Land casing hanger onto well head. Pressure test cementing line. Pump 10m3 of Chemical Wash-7. Pump 20m3 of Mud push-2. Pump 70.1m3 of tail slurry. Displacing with KNPP mud. Bumped plug with 17.5Mpa. Bleed off. No flow back. Pressure test 13-3/8" casing hanger and pack off seal. POOH.

Make up 60 m3 of 1.11sg KNPP mud
 Today's lost mud 9m3. (Total 481m3)

On hand and Remarks
 1.11sg KNPP mud : 470m3 @Re#1, Re#2 and Re#3
 1.12sg Hi-vis mud : 11m3 @Act#2
 1.13sg 20%LCM mud :24m3 @Act#3
 Changed shaker screen at preparation for drill out cementing.

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	145	145	145	145	145	145					OFF	OFF	OFF
Btm2	145	145	145	145	145	145							
Daily Cost													
Total Cost													



BALLAST REPORT(Off Shore)

NO. 34

Well Name C0002N (NT3-01)

DATE 22, Nov, 13

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	CMT Spacer	1.50sg	3.0KL			For Cementing
Active #2	Hi-Vis mud	1.12sg	11.0KL			
Active #3	20%LCM mud	1.13sg	24.0KL			
Active #4	KNPP	1.13sg	60.0KL			Circ mud(Active)
Active #5	KNPP	1.13sg	73.0KL			Circ mud
Active #6	Empty					
Chemical	SW	1.03sg	20.0KL			
Slug	Slug mud	1.28sg	11.0KL			

Chemical Tank

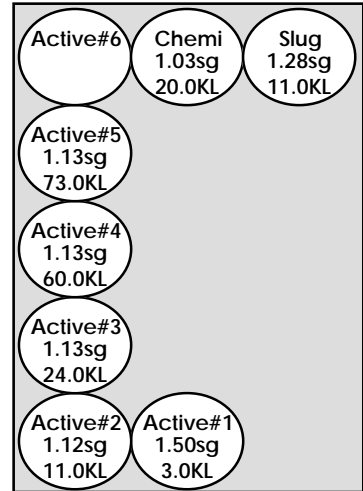
Tank Name	Status	Weight	Monitor
Storage #1	Barite	134,000kg	
Storage #2	Barite	60,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	10,000kg	
Daily Tank #2	Barite	7,700kg	
Bar/Surge #1	Barite	2,000kg	
Bar/Surge #2	Barite	2,300kg	
Gel/Surge #2	Bentonite	800kg	

Chemical Tank Total WT 216.8 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	KNPP	1.11sg	170.0KL			
Reserve #2	KNPP	1.11sg	180.0KL			
Reserve #3	KNPP	1.11sg	120.0KL			
Reserve #4	SW	1.03sg	23.0KL			
Reserve #5	Return SW	1.03sg	96.0KL			
Reserve #6	Empty					
Reserve #7	Empty					
Reserve #8	Dirty SW	1.03sg	135.0KL			
Sand Trap	KNPP	1.13sg	10.0KL			
Degasser	KNPP	1.13sg	10.0KL			
Desander	KNPP	1.13sg	10.0KL			
Desilter	KNPP	1.13sg	10.0KL			
Soli/con CF	KNPP	1.13sg	10.0KL			
Mud Return	KNPP	1.13sg	10.0KL			
Barite Rec CF	Drill water	1.00sg				

Mud Tank Total WT 1080.0 ton



Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		263,240	2,800	57,240	206,000	
Kunigel VO (Bulk)		29,460		18,660	10,800	

Total SX ROOM Weight 83.9 ton

Total Weight 1,380.7 ton

Made by: *H.ito*