

Drilling Mud Report(Off Shore)

Engineer **K.Mori**
H.Ito

No. **39**

Date **27, November, 2013**

TOTAL Depth(MSL) **3,980.5m**

Company **MOJ**

Well Name **C0002N (NT3-01)**

BRT Depth: **4,009.0m**, SSL Depth: **2,041.5m**

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	10
Intermediate	20 in 2,827.8 m	CSG Vol. (m³)	158	Pump No.2 (l/st)	19.45	DC1 Size (in)	8.5	Bottom's Up	110
Intermediate	13.375 in 3,976.5 m	B/Hole Vol. (m³)	2	Pump No.3 (l/st)	19.45	DC2 Size (in)		Surf to Surf	121
Intermediate	in m	Disp Vol. (m³)	17	P/Speed No.1 (spm)	90	A/Vel DP (ft/min)	177	System Total	150
Intermediate	in m	T/Circ Vol. (m³)	636	P/Speed No.2 (spm)	90	A/Vel DC1(ft/min)		P/ Press(Mpa)	25.1
Intermediate	in m	Pit Vol. (m³)	100	P/Speed No.3 (spm)	95	A/Vel Rise(ft/min)			
Production	in m	Bit Size (inch)	12.25	Rate (gal/min)	1,371				

Mud Type:	KNPP	Mud Properties				Materials Name		Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	4:00	15:00								
Depth (m)	3976	Pit			Tel-Bar					
Mud Weight (SG/PPG)	1.13 9.4	1.15 9.6			Kunigel VO (Bulk)					
Funnel Viscosity(sec./qt.)	105	91			NaCl					
A.V(cps) at / cent.	58.5	55 /28.5			KCL					
P.V(cps)	39	38 / 20			Tel-Polymer DX					
Y.V(lb/100ft²)	39	34 / 17			Tel-Polymer L					
10"Gel(lb/100ft²)	5	4 / 3			Tel-Polymer H					
10'Gel(lb/100ft²)	9	7 / 8			XCD-Polymer					
API Filtrate(cc/30min.)	3.1	3.3			Soda Ash					
Cake Thickness(mm)	0.5	0.5			Caustic potash					
pH(-)	12.4	12.4			Clean Lube					
Pf(cc)	0.4	0.4			Tel Clean					
Pm(cc)	4.7	7.5			Bi-Carbonate					
Mf(cc)	0.6	0.8			Lime					
Cl (mg/l)	70,300	82,000			Defoamer 30C					
Sand Content(%)	0.5	0.6			Telnite GXL					
Oil Content(% Vol.)	0	0			Tel-DD					
Solid Content(% Vol.)	7	8			Caustic soda					
M.B.C.(cc/cc.mud)	1.00	1.00			Lignite NC					
Temperature(in/out cent.)	14 10	15			Astex S					
HT-HP Filtrate(cc)										
HT-HP Filtrate Cake(mm)					Tel Stop G					
K' (mg/l)	25,000	33,600			Tel Stop P					
Ca ⁺⁺ /Mg ⁺⁺ (mg/l)	120	120 0			Tel Mica C					
n Value(600rpm/300rpm)	0.58	0.62			Tel Mica M					
k Value(600rpm/300rpm)	2.03	0.76			Tel Mica F					
LGS/Drill Solids(% Vol.)	1.2 0.7	1.1 0.5			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		117	78	61	40	7	5
15:00	15 49	110 57	72 37	56 29	35 19	5 3	3 2

Well Summary

Con't Pressure test 13-3/8" casing. Drill out cement and shoeF/3,967m-T/3,976.5m.Flow check.Pump 5m3 of Hi-vis mud.Circulation bottoms up. FIT(EMW=1.25sg). Ream down from 3,976.5m to 4,009m. Increased SPP to 30Mpa. Stucked pipe. Jarring operation.

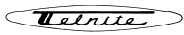
Today's lost mud --m3. (Total 481m3).

On hand and Remarks

1.11sg KNPP mud : 470m3 @Re#1, Re#2 and Re#3
1.16sg Hi-vis mud : 43m3 @Act#1
1.13sg 20%LCM mud :24m3 @Act#3

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. 39

Well Name C0002N (NT3-01)

DATE 27, Nov, 13

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Hi-Vis mud	1.16sg	43.0KL			
Active #2	Empty					
Active #3	20%LCM mud	1.13sg	24.0KL			
Active #4	KNPP	1.15sg	60.0KL			
Active #5	KNPP	1.13sg	36.0KL			
Active #6	Empty					
Chemical	Empty					
Slug	Slug mud	1.38sg	6.0KL			

Chemical Tank

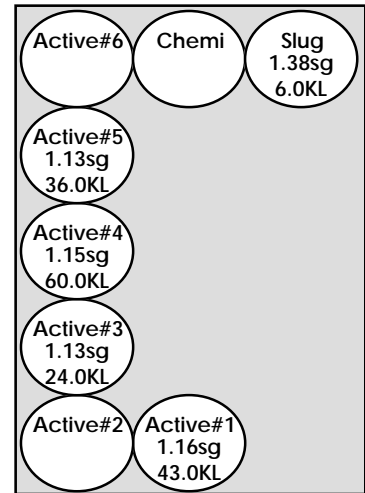
Tank Name	Status	Weight	Monitor
Storage #1	Barite	134,000kg	
Storage #2	Barite	15,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank #1	Bentonite	10,000kg	
Daily Tank #2	Barite	45,500kg	
Bar/Surge #1	Barite	3,500kg	
Bar/Surge #2	Barite	3,500kg	
Gel/Surge #2	Bentonite	800kg	

Chemical Tank Total WT 212.3 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	Return SW	1.03sg	182.0KL			
Reserve #5	Empty					
Reserve #6	Empty					
Reserve #7	Return SW	1.03sg	152.0KL			
Reserve #8	Return SW	1.03sg	182.0KL			
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 1315.9 ton



Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		263,240		61,740	201,500	
Kunigel VO (Bulk)		29,460		18,660	10,800	

Total SX ROOM Weight 121.4 ton

Total Weight 1,649.6 ton

Made by : Itito