

# Drilling Mud Report(Off Shore)

Engineer **K.Mori**  
**H.Ito**

No. **38**

Date **26, November, 2013**

TOTAL Depth(MSL) **3,938.5m**

Company **MOJ**

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

BRT Depth: **3,967.0 m**, SSL Depth: **1,999.5 m**

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Conductor	36 in 2,121.5 m	Riser Vol. (m <sup>3</sup> )	392	Pump No.1 (l/st)	19.45	DP Size (in)	5	Surface to Bit	12
Intermediate	20 in 2,827.8 m	CSG Vol. (m <sup>3</sup> )	158	Pump No.2 (l/st)	19.45	DC1 Size (in)	8.5	Bottom's Up	121
Intermediate	13.375 in 3,977.5 m	B/Hole Vol. (m <sup>3</sup> )		Pump No.3 (l/st)	19.45	DC2 Size (in)		Surf to Surf	133
Intermediate	in m	Disp Vol. (m <sup>3</sup> )	17	P/Speed No.1 (spm)	80	A/Vel DP (ft/min)		System Total	166
Intermediate	in m	T/Circ Vol. (m <sup>3</sup> )	633	P/Speed No.2 (spm)	80	A/Vel DC1(ft/min)		P/ Press(Mpa)	20.3
Intermediate	in m	Pit Vol. (m <sup>3</sup> )	100	P/Speed No.3 (spm)	90	A/Vel Rise(ft/min)			
Production	in m	Bit Size (inch)	12.25	Rate (gal/min)	1,246				

Mud Type:	KNPP	Mud Properties				Materials Name		Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction )		5:00	14:30	18:00	Tel-Bar					
Depth (m)		Pit	3910	3967	Kunigel VO (Bulk)					
Mud Weight (SG/PPG)		1.13 9.4	1.13 9.4	1.13 9.4	NaCl					
Funnel Viscosity(sec./qt.)		100	110	101	KCL					
A.V(cps) at /49 cent.		57	61 / 36	58	Tel-Polymer DX					
P.V(cps)		36	39 / 22	37	Tel-Polymer L					
Y.V(lb/100ft <sup>2</sup> )		42	44 / 28	42	Tel-Polymer H					
10"Gel(lb/100ft <sup>2</sup> )		8	8 / 5	8	XCD-Polymer					
10'Gel(lb/100ft <sup>2</sup> )		9	10 / 7	10	Soda Ash					
API Filtrate(cc/30min.)		3.2	3.0	3.0	Caustic potash					
Cake Thickness(mm)		0.5	0.5	0.5	Clean Lube					
pH(-)		10.8	10.7	10.4	Tel Clean					
Pf(cc)		0.1	0.1	0.1	Bi-Carbonate					
Pm(cc)		3.5	2.9	2.6	Lime					
Mf(cc)		0.3	0.2	0.2	Defoamer 30C					
Cl (mg/l)		72,100	71,000	71,000	Telnite GXL					
Sand Content(%)		0.1	0.2	0.2	Tel-DD					
Oil Content(% Vol.)		0	0	0	Caustic soda					
Solid Content(% Vol.)		7	7	7	Lignite NC					
M.B.C.(cc/cc.mud)		1.00	1.00	1.00	Astex S					
Temperature(in/out cent.)		16	13 10	13 10	Tel Stop G					
HT-HP Filtrate(cc)					Tel Stop P					
HT-HP Filtrate Cake(mm)					Tel Mica C					
K' (mg/l)		25,600	25,000	25,000	Tel Mica M					
Ca <sup>++</sup> /Mg <sup>++</sup> (mg/l)		80	80 24	80	Tel Mica F					
n Value(600rpm/300rpm)		0.55	0.53	0.55	Tel Plug C					
k Value(600rpm/300rpm)		2.57	1.88	2.50	Tel Plug M					
LGS/Drill Solids(% Vol.)		1.1 0.6	1.2 0.6	1.2 0.6	Tel Plug F					
					Tan Cal M					
					Tan Cal F					
					Tan Cal FF					
					EZ Spot (gal/drm)					
					Speeder P					
					Speeder X					

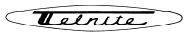
VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
5:00		114	78	62	42	10	7
14:30	15 49	122 72	83 50	66 39	45 27	10 6	7 4
18:00		116	79	63	43	10	7

**Well Summary**  
 Con't Displacement riser with KNPP mud.flow check.RIH to 3,865.2m. Tag cement. Circulation bottoms up. Pressure test CSG. Drill out cement from 3,865.2m to 3,967m (F/C top 3,866.79m). Circulation. Pressure test 13-3/8" casing.  
 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 : 49m3 @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	84	84	84	84	84	84					OFF	OFF	OFF
Btm2	84	84	84	84	84	84							
Daily Cost													
Total Cost													





# BALLAST REPORT(Off Shore)

NO. 38

Well Name C0002N (NT3-01)

DATE 26, Nov, 13

TIME 24:00

## Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Hi-Vis mud	1.16sg	49.0KL			
Active #2	Empty					
Active #3	20%LCM mud	1.13sg	24.0KL			
Active #4	KNPP	1.13sg	55.0KL			
Active #5	KNPP	1.13sg	36.0KL			
Active #6	Empty					
Chemical	Empty					
Slug	Slug mud	1.38sg	6.0KL			

## Chemical Tank

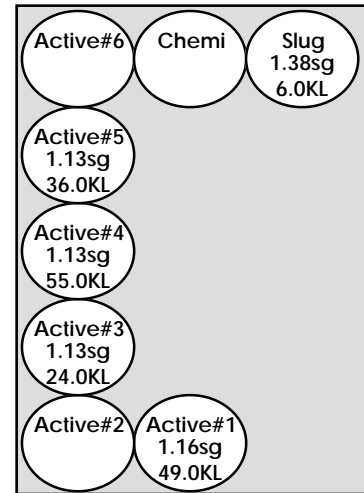
Tank Name	Status	Weight	Monitor
Storage #1	Barite	134,000kg	
Storage #2	Barite	60,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	10,000kg	
Daily Tank #2	Barite	5,200kg	
Bar/Surge #1	Barite	2,000kg	
Bar/Surge #2	Barite	300kg	
Gel/Surge #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 1316.1 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 130.4 ton

Total Weight 1,658.7 ton

Made by: *H.ito*