

Drilling Mud Report(Off Shore)

Engineer **K.Mori**
H.Ito

No. 37 Date 25, November, 2013 TOTAL Depth(MSL) 1,891.5m
 Company MOJ Well Name C0002N (NT3-01) BRT Depth: 1,920.0 m, SSL Depth: -47.5 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Conductor	36 in 2,121.5 m	Riser Vol. (m ³)	392	Pump No.1 (l/st)	19.45	DP Size (in)	5	Surface to Bit	5
Intermediate	20 in 2,827.8 m	CSG Vol. (m ³)		Pump No.2 (l/st)	19.45	DC1 Size (in)	8.5	Bottom's Up	74
Intermediate	13.375 in 3,978.3 m	B/Hole Vol. (m ³)		Pump No.3 (l/st)	19.45	DC2 Size (in)		Surf to Surf	79
Intermediate	in m	Disp Vol. (m ³)		P/Speed No.1 (spm)	94	A/Vel DP (ft/min)		System Total	107
Intermediate	in m	T/Circ Vol. (m ³)	492	P/Speed No.2 (spm)	94	A/Vel DC1(ft/min)		P/ Press(Mpa)	16.4
Intermediate	in m	Pit Vol. (m ³)	100	P/Speed No.3 (spm)	83	A/Vel Rise(ft/min)			
Production	in m	Bit Size (inch)	12.25	Rate (gal/min)	1,351				

Mud Type:	KNPP	Mud Properties				Materials Name		Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)		4:30	15:00			Tel-Bar				
Depth (m)		Pit	1908			Kunigel VO (Bulk)				
Mud Weight (SG/PPG)		1.13	9.4	1.13	9.4	NaCl				
Funnel Viscosity(sec./qt.)		129	117			KCL				
A.V(cps) at / cent.		62	62 / 39			Tel-Polymer DX				
P.V(cps)		39	38 / 25			Tel-Polymer L				
Y.V(lb/100ft ²)		46	48 / 28			Tel-Polymer H				
10"Gel(lb/100ft ²)		8	8 / 5			XCD-Polymer				
10'Gel(lb/100ft ²)		10	12 / 8			Soda Ash				
API Filtrate(cc/30min.)		2.8	3.3			Caustic potash				
Cake Thickness(mm)		0.5	0.5			Clean Lube				
pH(-)		9.4	11.4			Tel Clean				
Pf(cc)		0.1	0.1			Bi-Carbonate				
Pm(cc)		1.6	3.8			Lime				
Mf(cc)		0.3	0.3			Defoamer 30C				
Cl (mg/l)		73,100	72,800			Telnite GXL				
Sand Content(%)		0.1	0.2			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.)		13	10	14	10	Tel Stop G				
HT-HP Filtrate(cc)						Tel Stop P				
HT-HP Filtrate Cake(mm)						Tel Mica C				
K' (mg/l)		28,100	26,900			Tel Mica M				
Ca ⁺⁺ /Mg ⁺⁺ (mg/l)		40	24	120	24	Tel Mica F				
n Value(600rpm/300rpm)		0.54	0.56			Tel Plug C				
k Value(600rpm/300rpm)		2.85	1.64			Tel Plug M				
LGS/Drill Solids(% Vol.)		0.9	0.4	1.0	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
4:30		124	85	68	46	11	8
15:00	15 49	124 78	86 53	70 42	48 29	11 6	8 4

Well Summary
 Continue RIH 12-1/4" drill out cement BHA to 3,800m. Wash down from 3,800m and Tag top of cement at 3,865.2m. Take weight 100kN. Circulation. POOH to 1,908m. Displacement riser with seawater. Wait on weather. Displacement riser with KNPP mud.

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#2
 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. 37

Well Name C0002N (NT3-01)

DATE 25, Nov, 13

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty					
Active #2	Hi-Vis mud	1.16sg	49.0KL			
Active #3	20%LCM mud	1.13sg	24.0KL			
Active #4	KNPP	1.13sg	56.0KL			
Active #5	KNPP	1.13sg	55.0KL			
Active #6	Empty					
Chemical	Empty					
Slug	Slug mud	1.30sg	5.0KL			

Chemical Tank

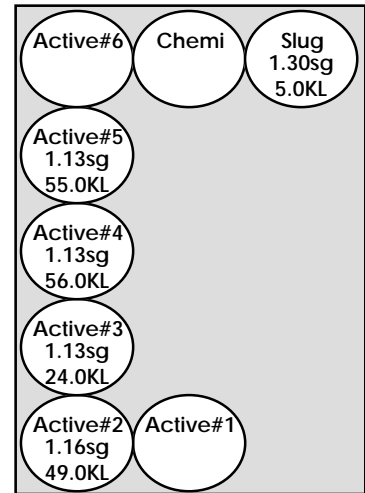
Tank Name	Status	Weight	Monitor
Storage #1	Barite	134,000kg	
Storage #2	Barite	60,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	10,000kg	
Daily Tank #2	Barite	5,200kg	
Bar/Surge #1	Barite	2,000kg	
Bar/Surge #2	Barite	300kg	
Gel/Surge #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	131.0KL			
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 1315.2 ton



Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		263,240	3,000	61,740	201,500	
Kunigel VO (Bulk)		29,460		18,660	10,800	

Total SX ROOM Weight 93.7 ton

Total Weight 1,621.2 ton

Made by : H.ito