

# Drilling Mud Report(Off Shore)

Engineer

H.Ito  
K.Mori

No. 58

Date 16, December, 2013

TOTAL Depth(MSL) 3,896.5m

Company MOJ

Well Name C0002P (NT3-01)

BRT Depth: 3,925.0m, SSL Depth: 1,957.5m

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	11
Intermediate	20 in 2,827.8 m	CSG Vol. (m <sup>3</sup> )	154	Pump No.2 (l/st)	19.45	DC1 Size (in)	8.5	Bottom's Up	163
Intermediate	13.375 in 3,976.5 m	B/Hole Vol. (m <sup>3</sup> )		Pump No.3 (l/st)	19.45	DC2 Size (in)		Surf to Surf	175
Intermediate	in m	Disp Vol. (m <sup>3</sup> )	19	P/Speed No.1 (spm)	80	A/Vel DP (ft/min)		System Total	208
Intermediate	in m	T/Circ Vol. (m <sup>3</sup> )	627	P/Speed No.2 (spm)	80	A/Vel DC1(ft/min)		P/ Press(Mpa)	24.7
Intermediate	in m	Pit Vol. (m <sup>3</sup> )	100	P/Speed No.3 (spm)					
Production	in m	Bit Size (inch)	12.25	Rate (gal/min)	798	A/Vel Rise(ft/min)			

Mud Type:	KNPP	Mud Properties				Materials Name		Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction )		5:00	16:00		Tel-Bar					
Depth (m)		Pit	Pit		Kunigel VO (Bulk)					
Mud Weight (SG/PPG)		1.18	9.8	1.18	9.8	NaCl				
Funnel Viscosity(sec./qt.)		94	89		KCL					
A.V(cps) at / cent.		60.5	58 / 29		Tel-Polymer DX					
P.V(cps)		40	39 / 20		Tel-Polymer L					
Y.V(lb/100ft <sup>2</sup> )		41	38 / 18		Tel-Polymer H					
10"Gel(lb/100ft <sup>2</sup> )		5	4 / 3		XCD-Polymer					
10'Gel(lb/100ft <sup>2</sup> )		9	8 / 6		Soda Ash					
API Filtrate(cc/30min.)		3.3	3.3		Caustic potash					
Cake Thickness(mm)		0.5	0.5		Clean Lube					
pH(-)		11.9	11.9		Tel Clean					
Pf(cc)		0.2	0.2		Bi-Carbonate					
Pm(cc)		4.5	4.3		Lime					
Mf(cc)		0.5	0.5		Defoamer 30C					
Cl (mg/l)		87,400	92,300		Telnite GXL					
Sand Content(%)		0.3	0.3		Tel-DD					
Oil Content(% Vol.)		0	0		Caustic soda					
Solid Content(% Vol.)		9	9		Lignite NC					
M.B.C.(cc/cc.mud)		1.00	1.00		Astex S					
Temperature(in/out cent.)		17	16		Tel Stop G					
HT-HP Filtrate(cc)					Tel Stop P					
HT-HP Filtrate Cake(mm)					Tel Mica C					
K' (mg/l)		31,800	31,200		Tel Mica M					
Ca <sup>++</sup> /Mg <sup>++</sup> (mg/l)		80	80 / 0		Tel Mica F					
n Value(600rpm/300rpm)		0.58	0.61		Tel Plug C					
k Value(600rpm/300rpm)		2.19	0.85		Tel Plug M					
LGS/Drill Solids(% Vol.)		1.6 / 1.0	1.3 / 0.8		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		121	81	63	41	7	4
16:00	15 / 49	116 / 58	77 / 38	60 / 30	39 / 20	6 / 4	4 / 2

### Well Summary

Make up 12-1/4"Kick off BHA and RIH. RIH to 1,889m. Drill line cut and slip. Continue RIH to 3,868m. Break circulation. Continue RIH to 3,922m. Increased mud weight to 1.23sg. Kick off drilling.

### On hand and Remarks

1.11sg KNPP mud : 369m3 @Re#1, Re#2 and Re#3  
 1.16sg dilution mud : 53m3 @Act#2  
 1.15sg Hi-vis mud : 47m3 @Act#1  
 1.13sg 20%LCM mud : 24m3 @Act#3

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

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	110	145	110	145	110	145					OFF	OFF	OFF
Btm2	110	145	110	145	110	145							

Daily Cost	
Total Cost	



Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Hi-Vis mud	1.16sg	47.0KL			
Active #2	KNPP	1.16sg	53.0KL			Dilution mud
Active #3	20%LCM mud	1.13sg	24.0KL			
Active #4	KNPP	1.23sg	42.0KL			Circ mud (Suction)
Active #5	KNPP	1.23sg	44.0KL			Circ mud (Return)
Active #6	Empty					
Chemical	Sea water	1.03sg	6.0KL			
Slug	Slug mud	1.40sg	4.0KL			

Chemical Tank

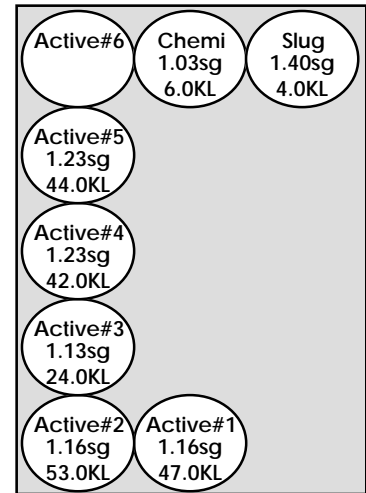
Tank Name	Status	Weight	Monitor
Storage #1	Barite	111,000kg	
Storage #2	Barite	0kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	10,000kg	
Daily Tank #2	Barite	10,500kg	
Bar/Surge #1	Barite	7,700kg	
Bar/Surge #2	Barite	2,800kg	
Gel/Surge #2	Bentonite	800kg	

Chemical Tank Total WT 142.8 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	19.0KL			
Reserve #4	KNPP	1.17sg	55.0KL			
Reserve #5	Empty					
Reserve #6	Dirty Sea water	1.03sg	181.0KL			
Reserve #7	Dirty Sea water	1.03sg	182.0KL			
Reserve #8	Dirty Sea water	1.03sg	182.0KL			
Sand Trap	KNPP	1.23sg	10.0KL			
Degasser	KNPP	1.23sg	10.0KL			
Desander	KNPP	1.23sg	10.0KL			
Desilter	KNPP	1.23sg	10.0KL			
Soli/con CF	KNPP	1.23sg	10.0KL			
Mud Return	KNPP	1.23sg	10.0KL			
Barite Rec CF	Drill water	1.00sg				

Mud Tank Total WT 1369.8 ton



Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		263,240	31,100	131,240	132,000	
Kunigel VO (Bulk)		29,460		18,660	10,800	

Total SX ROOM Weight 101.7 ton

Total Weight 1,614.3 ton

Made by : K.mori