

Drilling Mud Report(Off Shore)

Engineer

H.Ito
K.Mori

No. 57

Date 15, December, 2013

TOTAL Depth(MSL) 3,893.5m

Company MOJ

Well Name C0002P (NT3-01)

BRT Depth: 3,922.0 m, SSL Depth: 1,954.5 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	9
Intermediate	20 in 2,827.8 m	CSG Vol. (m ³)	154	Pump No.2 (l/st)	19.45	DC1 Size (in)	8.5	Bottom's Up	98
Intermediate	13.375 in 3,976.5 m	B/Hole Vol. (m ³)		Pump No.3 (l/st)	19.45	DC2 Size (in)		Surf to Surf	107
Intermediate	in m	Disp Vol. (m ³)	19	P/Speed No.1 (spm)	100	A/Vel DP (ft/min)		System Total	134
Intermediate	in m	T/Circ Vol. (m ³)	627	P/Speed No.2 (spm)	100	A/Vel DC1(ft/min)		P/ Press(Mpa)	22.3
Intermediate	in m	Pit Vol. (m ³)	100	P/Speed No.3 (spm)	100				
Production	in m	Bit Size (inch)	12.25	Rate (gal/min)	1,495	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								
Depth (m)	3922	Pit			Tel-Bar					
Mud Weight (SG/PPG)	1.16 9.7	1.18 9.8			Kunigel VO (Bulk)					
Funnel Viscosity(sec./qt.)	100	94			NaCl					
A.V(cps) at / cent.	60	59.5/30.5			KCL					
P.V(cps)	39	39 / 21			Tel-Polymer DX					
Y.V(lb/100ft ²)	42	41 / 19			Tel-Polymer L					
10"Gel(lb/100ft ²)	5	5 / 3			Tel-Polymer H					
10'Gel(lb/100ft ²)	9	10 / 6			XCD-Polymer					
API Filtrate(cc/30min.)	3.1	3.1			Soda Ash					
Cake Thickness(mm)	0.5	0.5			Caustic potash					
pH(-)	11.9	12.0			Clean Lube					
Pf(cc)	0.2	0.2			Tel Clean					
Pm(cc)	4.5	4.2			Bi-Carbonate					
Mf(cc)	0.5	0.5			Lime					
Cl (mg/l)	85,200	92,300			Defoamer 30C					
Sand Content(%)	0.3	0.3			Telnite GXL					
Oil Content(% Vol.)	0	0			Tel-DD					
Solid Content(% Vol.)	9	9			Caustic soda					
M.B.C.(cc/cc.mud)	1.00	1.00			Lignite NC					
Temperature(in/out cent.)	14 12	15			Astex S					
HT-HP Filtrate(cc)										
HT-HP Filtrate Cake(mm)					Tel Stop G					
K' (mg/l)	31,800	31,800			Tel Stop P					
Ca ⁺⁺ /Mg ⁺⁺ (mg/l)	120	80			Tel Mica C					
n Value(600rpm/300rpm)	0.57	0.61			Tel Mica M					
k Value(600rpm/300rpm)	2.36	0.90			Tel Mica F					
LGS/Drill Solids(% Vol.)	2.4 1.9	0.9 0.3			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
5:00		120	81	63	42	8	5
16:00	15 49	119 61	80 40	63 31	41 21	7 3	4 2

Well Summary

Milling from 3,918m to 3,922m. Flush 10m3 of Hivis mud every hour. Pull up to 3,902m. Pump 15m3 of Hivis mud. Pull up to above window to 3,886m. Pump 15m3 of Hivis mud. Circulation. Leak off test(EMW:1.36sg). Circulation, increased mud weight from 1.15sg to 1.18sg. POOH.

Changed shaker screen.

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	

BALLAST REPORT(Off Shore)

NO. 57

Well Name C0002P (NT3-01)

DATE 15, Dec, 13

TIME 24:00

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	1.18sg	47.0KL			Circ mud (Suction)
Active #5	KNPP	1.18sg	46.0KL			Circ mud (Return)
Active #6	Empty					
Chemical	Sea water	1.03sg	6.0KL			
Slug	Slug mud	1.40sg	4.0KL			

Chemical Tank

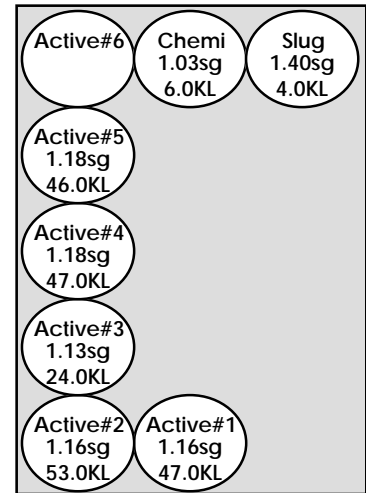
Tank Name	Status	Weight	Monitor
Storage #1	Barite	134,000kg	
Storage #2	Barite	15,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank #1	Bentonite	10,000kg	
Daily Tank #2	Barite	0kg	
Bar/Surge #1	Barite	6,500kg	
Bar/Surge #2	Barite	7,600kg	
Gel/Surge #2	Bentonite	800kg	

Chemical Tank Total WT 173.9 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	KNPP	1.11sg	170.0KL			New mud
Reserve #2	KNPP	1.11sg	180.0KL			New mud
Reserve #3	KNPP	1.11sg	19.0KL			New mud
Reserve #4	KNPP	1.16sg	34.0KL			Circ mud
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	1.18sg	10.0KL			
Degasser	KNPP	1.18sg	10.0KL			
Desander	KNPP	1.18sg	10.0KL			
Desilter	KNPP	1.18sg	10.0KL			
Soli/con CF	KNPP	1.18sg	10.0KL			
Mud Return	KNPP	1.18sg	10.0KL			
Barite Rec CF	Drill water	1.00sg				

Mud Tank Total WT 1345.8 ton



Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		263,240	23,900	100,140	163,100	
Kunigel VO (Bulk)		29,460		18,660	10,800	

Total SX ROOM Weight 103.3 ton

Total Weight 1,623.1 ton

Made by : K.mori