

Drilling Mud Report(Off Shore)

Engineer H.Ito
K.Mori

No. 16

Date 4, November, 2013

TOTAL Depth(MSL) 2,863.5m

Company MOJ

Well Name C0002F

BRT Depth: 2,892.0m, SSL Depth: 924.5m

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)	5.5	Surface to Bit	9
Intermediate	20 in 2,827.8 m	CSG Vol. (m ³)	147	Pump No.2 (l/st)	19.45	DC1 Size (in)	8.5	Bottom's Up	133
Intermediate	in m	B/Hole Vol. (m ³)	9	Pump No.3 (l/st)	19.45	DC2 Size (in)		Surf to Surf	142
Intermediate	in m	Disp Vol. (m ³)	21	P/Speed No.1 (spm)	75	A/Vel DP (ft/min)		System Total	177
Intermediate	in m	T/Circ Vol. (m ³)	628	P/Speed No.2 (spm)	75	A/Vel DC1(ft/min)		P/ Press(Mpa)	20.1
Intermediate	in m	Pit Vol. (m ³)	100	P/Speed No.3 (spm)	80	A/Vel Rise(ft/min)			
Production	in m	Bit Size (inch)	17	Rate (gal/min)	1,146				

Mud Type:	KNPP	Mud Properties						Materials Name						Daily Amount	Total Amount	Daily Cost			
Time (Sampling : Suction)		5:00	13:00		21:00		Tel-Bar												
Depth (m)		2818	2845		2880		Kunigel VO (Bulk)												
Mud Weight (SG/PPG)		1.12	9.3	1.12	9.3	1.12	9.3	NaCl											
Funnel Viscosity(sec./qt.)		66	43		52		KCL												
A.V(cps) at /49 cent.		41.5	17 / 17		28.5		Tel-Polymer DX												
P.V(cps)		31	12 / 13		22		Tel-Polymer L												
Y.V(lb/100ft ²)		21	10 / 8		13		Tel-Polymer H												
10"Gel(lb/100ft ²)		3	3 / 2		2		XCD-Polymer												
10'Gel(lb/100ft ²)		6	6 / 6		4		Soda Ash												
API Filtrate(cc/30min.)		4.3	4.9		5.7		Caustic potash												
Cake Thickness(mm)		0.5	0.5		0.5		Clean Lube												
pH(-)		12.5	12.7		12.6		Tel Clean												
Pf(cc)		0.5	0.4		0.4		Bi-Carbonate												
Pm(cc)		11.5	13.2		13.5		Lime												
Mf(cc)		1.0	0.8		0.7		Defoamer 30C												
Cl (mg/l)		79,500	85,300		86,300		Telnite GXL												
Sand Content(%)		0.5	0.3		0.3		Tel-DD												
Oil Content(% Vol.)		0	0		0		Caustic soda												
Solid Content(% Vol.)		7	7		7		Lignite NC												
M.B.C.(cc/cc.mud)		0.50	0.50		0.50		Tel Stop G												
Temperature(in/out cent.)		17	11	14	10	14	10	Tel Stop P											
HT-HP Filtrate(cc)							Tel Mica C												
HT-HP Filtrate Cake(mm)							Tel Mica M												
K' (mg/l)		28,000	27,500		26,900		Tel Mica F												
Ca ⁺⁺ /Mg ⁺⁺ (mg/l)		80	160		24		120		24		Tel Plug C								
n Value(600rpm/300rpm)		0.67	0.70		0.70		Tel Plug M												
k Value(600rpm/300rpm)		0.78	0.28		0.44		Tel Plug F												
LGS/Drill Solids(% Vol.)		1.3	1.1	1.0	0.7	1.0	0.7	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		83	52	40	24	4	3
13:00		34	34	22	21	17	16
				12	10	3	2
21:00		57	35	26	16	2	1

Well Summary
 Can't drill out cement F/2,809m-T/2,818m.Circulation.Pressure test.
 Drill out cement F/2,818m -T/2,829m. Kick of drilling
 F/2,829m-T/2,892m.

Run centrifuge (No.1 0:00 - 24:00 ,No.2 1:30-2:30)
 Mix 62m3 of 1.12sg KNPP mud.
 Mix 120m3 of 1.11sg KNPP mud.

Recommendation
 On hand)
 1.12sg KNPP mud : 162m3 @Act#3 and Res#2
 1.08sg KNPP mud : 124m3 @Res#7
 change screen No.1,2,3:From 110# to 145# and No.4,5,6:From 120# to 175#

Shale Shaker							De-Sander		Mud Cleaner		Centrifuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	20	20	20	20	20	20							
Btm1	145	145	145	175	175	175					ON	OFF	
Btm2	145	145	145	175	175	175							

Daily Cost	
Total Cost	

BALLAST REPORT(Off Shore)

NO. 16

Well Name C0002F

DATE 4, Nov, 13

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty					
Active #2	KNPP	1.11sg	60.0KL			
Active #3	KNPP	1.11sg	60.0KL			
Active #4	KNPP	1.12sg	38.0KL			Circulation
Active #5	KNPP	1.12sg	36.0KL			
Active #6	Empty					
Chemical	Empty					
Slug	Empty					

Chemical Tank

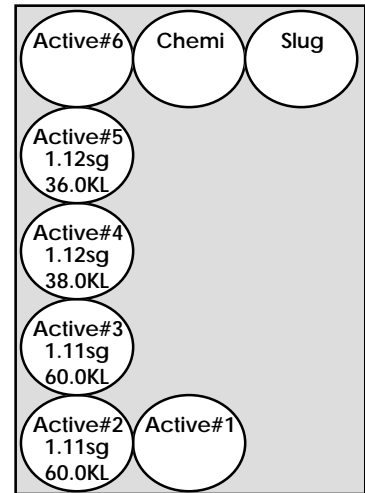
Tank Name	Status	Weight	Monitor
Storage #1	Barite	137,000kg	
Storage #2	Barite	93,860kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank #1	Bentonite	10,000kg	
Daily Tank #2	Barite	7,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	2,000kg	

Chemical Tank Total WT 249.9 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	KNPP	1.12sg	98.0KL			
Reserve #2	KNPP	1.12sg	50.0KL			
Reserve #3	Empty					
Reserve #4	Empty					
Reserve #5	Return SW	1.03sg	165.0KL			
Reserve #6	Return SW	1.03sg	151.0KL			
Reserve #7	KNPP	1.08sg	124.0KL			
Reserve #8	Empty					
Sand Trap	KNPP	1.12sg	10.0KL			
Degasser	KNPP	1.12sg	10.0KL			
Desander	KNPP	1.12sg	10.0KL			
Desilter	KNPP	1.12sg	10.0KL			
Soli/con CF	KNPP	1.12sg	10.0KL			
Mud Return	KNPP	1.12sg	10.0KL			
Barite Rec CF	Drill water	1.00sg				

Mud Tank Total WT 908.4 ton



Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		263,240		25,380	237,860	
Kunigel VO (Bulk)		29,460		17,460	12,000	

Total SX ROOM Weight 106.5 ton

Total Weight 1,264.8 ton

Made by : K.mori