

# Drilling Mud Report(Off Shore)

Engineer

H.Ito  
K.Mori

No. 19

Date 7, November, 2013

TOTAL Depth(MSL) 3,616.5m

Company MOJ

Well Name C0002F

BRT Depth: 3,645.0 m, SSL Depth: 1,677.5 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Conductor	36 in 2,121.5 m	Riser Vol. (m³) :	392	Pump No.1 (l/st) :	19.45	DP Size (in) :	5.5	Surface to Bit :	10
Intermediate	20 in 2,827.8 m	CSG Vol. (m³) :	143	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8.5	Bottom's Up :	143
Intermediate	in m	B/Hole Vol. (m³) :	123	Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	153
Intermediate	in m	Disp Vol. (m³) :	25	P/Speed No.1 (spm) :	80	A/Vel DP (ft/min) :	83	System Total :	168
Intermediate	in m	T/Circ Vol. (m³) :	683	P/Speed No.2 (spm) :	95	A/Vel DC1(ft/min) :		P/ Press(Mpa) :	30.5
Intermediate	in m	Pit Vol. (m³) :	50	P/Speed No.3 (spm) :	95	A/Vel Rise(ft/min) :			
Production	in m	Bit Size (inch) :	17	Rate (gal/min) :	1,346				

Mud Type:	KNPP	Mud Properties				Materials Name		Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction )		5:00	13:00	9:30	Tel-Bar					
Depth (m)		3513	3591	Hivis	Kunigel VO (Bulk)					
Mud Weight (SG/PPG)		1.12 9.3	1.12 9.3	1.12 9.3	NaCl					
Funnel Viscosity(sec./qt.)		78	74	300	KCL					
A.V(cps) at /49 cent.		46.5	45 /20.5	158	Tel-Polymer DX					
P.V(cps)		31	31 / 14	82	Tel-Polymer L					
Y.V(lb/100ft²)		31	28 / 13	152	Tel-Polymer H					
10"Gel(lb/100ft²)		4	4 / 2		XCD-Polymer					
10'Gel(lb/100ft²)		6	6 / 4		Soda Ash					
API Filtrate(cc/30min.)		3.8	4.0		Caustic potash					
Cake Thickness(mm)		0.5	0.5		Clean Lube					
pH(-)		12.2	12.3	9.6	Tel Clean					
Pf(cc)		0.3	0.3		Bi-Carbonate					
Pm(cc)		8.6	8.4		Lime					
Mf(cc)		0.6	0.6		Defoamer 30C					
Cl (mg/l)		79,900	81,700		Telnite GXL					
Sand Content(%)		0.4	0.3		Tel-DD					
Oil Content(% Vol.)		0	0		Caustic soda					
Solid Content(% Vol.)		7	8		Lignite NC					
M.B.C.(cc/cc.mud)		0.75	0.75		Tel Stop G					
Temperature(in/out cent.)		16 12	16 12		Tel Stop P					
HT-HP Filtrate(cc)					Tel Mica C					
HT-HP Filtrate Cake(mm)					Tel Mica M					
K' (mg/l)		33,500	33,000		Tel Mica F					
Ca <sup>++</sup> /Mg <sup>++</sup> (mg/l)		80 0	80 0		Tel Plug C					
n Value(600rpm/300rpm)		0.58	0.60	0.43	Tel Plug M					
k Value(600rpm/300rpm)		1.62	0.63	15.69	Tel Plug F					
LGS/Drill Solids(% Vol.)		1.2 0.7	2.1 1.7		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		93	62	48	31	6	4
13:00		90 41	59 27	45 20	29 13	4 2	3 1
9:30		316	234	197	148	54	44

### Well Summary

Drilled to 3,645m. Flush 10m3 of Hi-vis mud. Make Short trip.

Run centrifuge (No.1 0:00 - 21:30) (No.2 0:00-21:30)

Made 18m3 of Hi-vis mud.

Made 16m3 of 1.28sg slug mud.

### On hand and Remarks

1.11sg KNPP mud : 160m3 @Res#1  
 1.09sg KNPP mud : 120m3 @Act#2 and Act#3,  
 1.10sg KNPP mud : 93m3 @Res#3  
 1.12sg 300qt/sec Hi-vis mud : 26m3 @Act#1  
 1.26sg Slug mud: 16m3@slug tank

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	200	200	200	200	200	200					OFF	OFF	
Btm2	200	200	200	200	200	200							

Daily Cost	
Total Cost	



# BALLAST REPORT(Off Shore)

NO. 19

Well Name C0002F

DATE 7, Nov, 13

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Hi-vis mud	1.12sg	19.0KL			for flush
Active #2	KNPP	1.08sg	61.0KL			
Active #3	KNPP	1.09sg	59.0KL			Dilution
Active #4	KNPP	1.12sg	50.0KL			Circulation
Active #5	KNPP	1.08sg	7.0KL			Dilution
Active #6	Empty					
Chemical	Empty					
Slug	Slug mud	1.28sg	16.0KL			

Chemical Tank

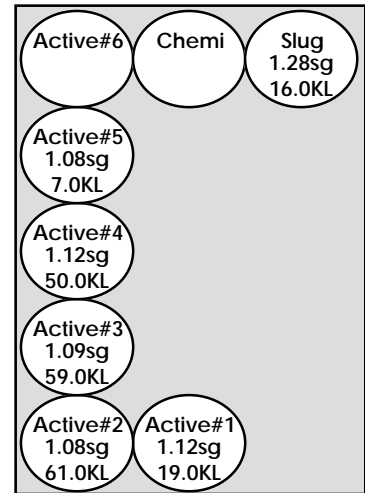
Tank Name	Status	Weight	Monitor
Storage #1	Barite	134,000kg	
Storage #2	Barite	92,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank #1	Bentonite	10,000kg	
Daily Tank #2	Barite	0kg	
Bar/Surge #1	Barite	6,000kg	
Bar/Surge #2	Barite	500kg	
Gel/Surge #2	Bentonite	2,000kg	

Chemical Tank Total WT 244.5 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	KNPP	1.11sg	145.0KL			
Reserve #2	Empty					
Reserve #3	KNPP	1.10sg	93.0KL			
Reserve #4	Empty					
Reserve #5	Return SW	1.03sg	165.0KL			not ues
Reserve #6	Empty					
Reserve #7	Empty					
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 735.9 ton



Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		263,240	5,360	30,740	232,500	
Kunigel VO (Bulk)		29,460		17,460	12,000	

Total SX ROOM Weight 73.5 ton

Total Weight 1,053.9 ton

Made by : K.mori