

Drilling Mud Report(Off Shore)

Engineer

H.Ito
K.Mori

No. 18

Date 6, November, 2013

TOTAL Depth(MSL) 3,393.5m

Company MQJ

Well Name C0002F

BRT Depth: 3,422.0 m, SSL Depth: 1,454.5 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):	5.5	Surface to Bit	: 9
Intermediate	20 in 2,827.8 m	CSG Vol. (m ³):	143	Pump No.2 (l/st):	19.45	DC1 Size (in):	8.5	Bottom's Up	: 129
Intermediate	in m	B/Hole Vol. (m ³):	90	Pump No.3 (l/st):	19.45	DC2 Size (in):		Surf to Surf	: 137
Intermediate	in m	Disp Vol. (m ³):	24	P/Speed No.1 (spm):	93	A/Vel DP (ft/min):	90	System Total	: 151
Intermediate	in m	T/Circ Vol. (m ³):	652	P/Speed No.2 (spm):	98	A/Vel DC1(ft/min):		P/ Press(Mpa)	: 32.8
Intermediate	in m	Pit Vol. (m ³):	50	P/Speed No.3 (spm):	80	A/Vel Rise(ft/min):			
Production	in m	Bit Size (inch):	17	Rate (gal/min):	1,351				

Mud Type:	KNPP	Mud Properties						Materials Name						Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)		6:00	16:00		21:00		Tel-Bar									
Depth (m)		3033	3262		3364		Kunigel VO (Bulk)									
Mud Weight (SG/PPG)		1.12	9.3	1.12	9.3	1.12	9.3	NaCl								
Funnel Viscosity(sec./qt.)		80	78		75		KCL									
A.V(cps) at / cent.		47	46 / 24		47.5		Tel-Polymer DX									
P.V(cps)		32	32 / 17		33		Tel-Polymer L									
Y.V(lb/100ft ²)		30	28 / 14		29		Tel-Polymer H									
10"Gel(lb/100ft ²)		4	3 / 2		3		XCD-Polymer									
10'Gel(lb/100ft ²)		6	5 / 3		5		Soda Ash									
API Filtrate(cc/30min.)		4.0	4.0		4.0		Caustic potash									
Cake Thickness(mm)		0.5	0.5		0.5		Clean Lube									
pH(-)		12.3	12.4		12.3		Tel Clean									
Pf(cc)		0.4	0.3		0.3		Bi-Carbonate									
Pm(cc)		11.3	10.9		10.9		Lime									
Mf(cc)		0.8	0.7		0.7		Defoamer 30C									
Cl(mg/l)		85,200	82,400		83,000		Telnite GXL									
Sand Content(%)		0.3	0.4		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	0.75		0.75		Tel Stop G									
Temperature(in/out cent.)		12	10	16	11	16	11	Tel Stop P								
HT-HP Filtrate(cc)							Tel Mica C									
HT-HP Filtrate Cake(mm)							Tel Mica M									
K'(mg/l)		33,000	32,400		32,400		Tel Mica F									
Ca ⁺⁺ /Mg ⁺⁺ (mg/l)		40	0	80	0	80	0	Tel Plug C								
n Value(600rpm/300rpm)		0.60	0.63		0.62		Tel Plug M									
k Value(600rpm/300rpm)		1.47	0.61		1.33		Tel Plug F									
LGS/Drill Solids(% Vol.)		0.9	0.6	1.0	0.6	1.0	0.6	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						
6:00		94	62	47	31	5	3						
16:00		92	48	60	31	46	24	29	15	4	3	3	2
21:00		95	62	48	30	4	3						

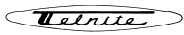
Well Summary
 Make Short trip to shoe. Circulation.Start back ream F/3,186.5m- T/2,805m. Tight spot @3,149m, 3,144m, 3,136m, 3,024m, 3,013m, 2,953m, 2,944m. RIH to 3,149m. Flush 10m3 of Hi-vis mud. Drilling on.

Run centrifuge (No.1 0:00 - 24:00) (No.2 18:00-24:00)
 Mix 61m3 of 1.09sg KNPP mud.

Recommendation
 On hand)
 1.12sg KNPP mud : 19m3 @Res#2, 1.11sg KNPP mud : 160m3 @Res#1
 1.09sg KNPP mud : 125m3 @Act#2 and Act#3, 1.08sg KNPP mud : 95m3 @Res#7
 1.10sg KNPP mud : 66m3 @Res#3
 1.12sg 240qt/sec Hi-vis mud : 16m3 @Act#1

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	180	180	180	175	175	175					ON	ON	
Btm2	180	180	180	175	175	175							

Daily Cost	
Total Cost	



BALLAST REPORT(Off Shore)

NO. 18

Well Name C0002F

DATE 6, Nov, 13

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Hi-vis mud	1.12sg	15.0KL			for flush
Active #2	KNPP	1.08sg	61.0KL			
Active #3	KNPP	1.09sg	59.0KL			
Active #4	KNPP	1.12sg	40.0KL			Circulation
Active #5	KNPP	1.08sg	15.0KL			Dilution
Active #6	Empty					
Chemical	Empty					
Slug	Empty					

Chemical Tank

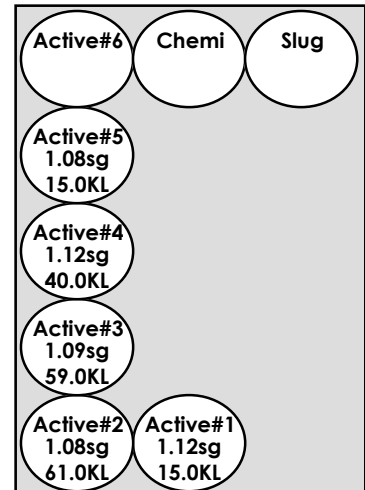
Tank Name	Status	Weight	Monitor
Storage #1	Barite	137,000kg	
Storage #2	Barite	93,860kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	10,000kg	
Daily Tank #2	Barite	7,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #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	1.11sg	160.0KL			
Reserve #2	KNPP	1.12sg	19.0KL			
Reserve #3	KNPP	1.10sg	93.0KL			
Reserve #4	Empty					
Reserve #5	Return SW	1.03sg	165.0KL			
Reserve #6	Empty					
Reserve #7	KNPP	1.08sg	66.0KL			
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 817.6 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 73.6 ton

Total Weight 1,141.1 ton

Made by : K.mori