Telnite

Drilling Mud Report(Off Shore)

Engineer H.Ito K.Mori

No. 17

Date 5, November, 2013

TOTAL Depth(MSL) 3,157.5m

Company MQJ

Well Name C0002F

BRT Depth: 3,186.0 m , SSL Depth: 1,218.5 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 :	10
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 :	146
Intermediate	in	m	B/Hole Vol. (m^3) :	52		Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	157
Intermediate	in	m	Disp Vol. (m^3) :	23		P/Speed No.1 (spm) :	80	A/Vel DP (ft/min) :	71	System Total :	174
Intermediate	in	m	T/Circ Vol. (m^3) :	619		P/Speed No.2 (spm) :	70	A/Vel DC1 (ft/min) :			
Intermediate	in	m	Pit Vol. (m^3) :	50		P/Speed No.3 (spm) :	80	A/Vel Rise (ft/min) :		P/ Press (Mpa) :	20.1
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		15:00				Tel-Bar			
Depth (m)	2922		3058		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.)	65		72		240		KCL			
A.V(cps) at 49 cent.	37.5		41.5/ 24		92		Tel-Polymer DX			
P.V(cps)	29		30 / 17		50		Tel-Polymer L			
Y.V(lb/100ft^2)	17		23 / 14		84		Tel-Polymer H			
10"Gel(lb/100ft^2)	2		3 / 2		17		XCD-Polymer			
10'Gel(lb/100ft^2)	5		5 / 5		25		Soda Ash			
API Filtrate(cc/30min.)	4.4		4.1				Caustic potash			
Cake Thickness(mm)	0.5		0.5				Clean Lube			
pH(-)	12.5		12.5		9.7		Tel Clean			
Pf(cc)	0.7		0.3				Bi-Carbonate			
Pm(cc)	11.5		11.3				Lime			
Mf(cc)	1.0		0.7				Defoamer 30C			
Cl^-(mg/l)	85,200		85,200				Telnite GXL			
Sand Content(%)	0.1		0.4				Tel-DD			
Oil Content(% Vol.)	0		0				Caustic soda			
Solid Content(% Vol.)	7		7				Lignate NC			
M.B.C.(cc/cc.mud)	0.50		0.50							
Temperature(in/out cent.)	15	10	15	10	23		Tel Stop G			
HT-HP Filtrate(cc)							Tel Stop P			
HT-HP Filtrate Cake(mm)							Tel Mica C			
K^+(mg/l)	35,000		33,500				Tel Mica M			
Ca^{++}/Mg^{++}(mg/l)	40		40	0			Tel Mica F			
n Value(600rpm/300rpm)	0.71		0.63		0.46		Tel Plug C			
k Value(600rpm/300rpm)	0.57		0.61		7.74		Tel Plug M			
LGS/Drill Solids(% Vol.)	0.8	0.5	0.8	0.6			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		75		46		31		18		3		2	
15:00		83	48	53	31	40	24	25	16	3	2	2	1
		184		134		110		80		23		17	

Well Summary

Drilled to 3,186m. Flush 10m3 of Hi-vis mud.

Run centrifuge (No.1 0:00 - 24:00)

Mix 125m3 of 1.09sg KNPP mud.
Mix 36m3 of Hi-vis 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 * 240" Hi-vis mud : 26m3 @Act#1

Shale Shaker							De-Sander		Mud Cleaner		Centrifuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	20	20	20	20	20	20	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	175	165	175	175	175	175					ON	OFF	
Btm2	175	165	175	175	175	175							

Daily Cost	
Total Cost	

MATERIALS REPORT

NO. 17

Well Name C0002F

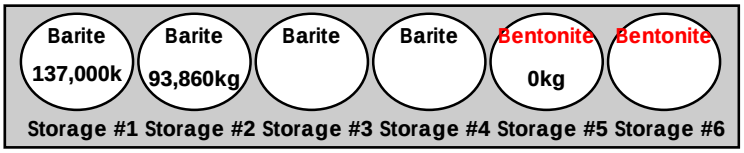
DATE 5. Nov. 13

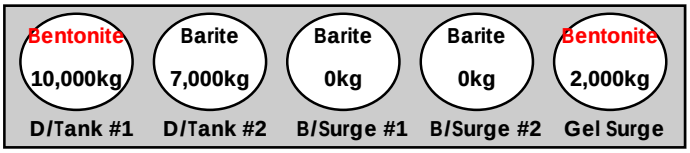
TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			137,000kg	
Storage #2	Barite			93,860kg	
Storage #3	Barite				
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite				

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			10,000kg	
D/Tank #2	Barite			7,000kg	
Bar/Surge #1	Barite			0kg	
Bar/Surge #2	Barite			0kg	
Gel Surge	Bentonite			2,000kg	





Total Bulk Tank W.T. 249,860kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Receive	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar	41,000		263,240				25,380		237,860	
Kunigel VO (Bulk)	47,500		29,460				17,460		12,000	
NaCL	40,000		108,000			4,000	77,000	160,000	31,000	
KCL	150,000		92,000			8,000	80,000	1,200,000	12,000	
Tel-Polymer DX	1,150,000		16,120			1,560	14,220	1,794,000	1,900	
Tel-Polymer L	1,550,000		10,480			1,080	9,060	1,674,000	1,420	
Tel-Polymer H	1,550,000		3,600			480	2,760	744,000	840	
XCD-Polymer	2,500,000		4,300			450	2,625	1,125,000	1,675	
Soda Ash	90,000		4,425			350	3,500	31,500	925	
Caustic potash	406,800		4,075			225	2,550	91,530	1,525	
Clean Lube	550,000		64,000			5,600	53,200	3,080,000	10,800	
Tel Clean	900,000		4,800						4,800	
Bi-Carbonate	150,000		1,000			400	900	60,000	100	
Lime	41,600		1,400				160		1,240	
Defoamer 30C	3,250,000		224				16		208	
Telnite GXL	3,900,000		54						54	
Tel-DD	640,000		3,200						3,200	
Caustic soda	150,000		1,000				200		800	
Lignate NC	377,000		2,000						2,000	
Tel Stop G	240,000		500						500	
Tel Stop P	240,000		1,000						1,000	
Tel Mica C	450,000		500						500	
Tel Mica M	450,000		500						500	
Tel Mica F	450,000		1,000						1,000	
Tel Plug C	350,000		500						500	
Tel Plug M	350,000		500						500	
Tel Plug F	350,000		1,000						1,000	
Tan Cal M	40,000		1,920						1,920	
Tan Cal F	40,000		1,920						1,920	
Tan Cal FF	70,000									
EZ Spot (gal/drm)	85,800		550						550	¥85,800/drm
Speeder P	820,000		1,700						1,700	
Speeder X	870,000		1,700						1,700	

BALLAST REPORT(Off Shore)

NO. 17

Well Name C0002F

DATE 5, Nov, 13

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Hi-vis mud	1.12sg	26.0KL			for flush
Active #2	KNPP	1.09sg	66.0KL			
Active #3	KNPP	1.09sg	59.0KL			
Active #4	KNPP	1.12sg	45.0KL			Circulation
Active #5	KNPP	1.08sg	29.0KL			Dilution
Active #6	Empty					
Chemical	Empty					
Slug	Empty					

Chemical Tank

Unit(kg)

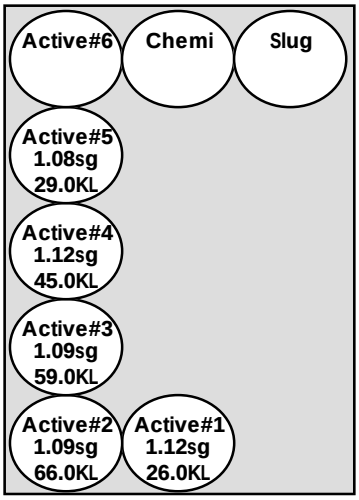
Tank Name	Status	Weight	Monitor
Storage #1	Barite	137,000kg	
Storage #2	Barite	93,860kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	10,000kg	
Daily Tank #2	Barite	7,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #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	66.0KL			
Reserve #4	Empty					
Reserve #5	Return SW	1.03sg	165.0KL			
Reserve #6	Return SW	1.03sg	35.0KL			
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 863.1 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 84.4 ton

Total Weight 1,197.3 ton

Made by : K.mori