Telnite

Drilling Mud Report(Off Shore)

Engineer H.Ito K.Mori

No. 15

Date 3, November, 2013

TOTAL Depth(MSL) 2,779.5m

Company MQJ

Well Name C0002F

BRT Depth: 2,808.0 m , SSL Depth: 840.5 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) :	144		Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8.5	Bottom's Up :	175
Intermediate	in	m	B/Hole Vol. (m^3) :			Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	185
Intermediate	in	m	Disp Vol. (m^3) :	20		P/Speed No.1 (spm) :	74	A/Vel DP (ft/min) :		System Total :	220
Intermediate	in	m	T/Circ Vol. (m^3) :	616		P/Speed No.2 (spm) :	74	A/Vel DC1 (ft/min) :			
Intermediate	in	m	Pit Vol. (m^3) :	100		P/Speed No.3 (spm) :		A/Vel Rise (ft/min) :		P/ Press (Mpa) :	18.7
Production	in	m	Bit Size (inch) :	17		Rate (gal/min) :	738				

Mud Type: KNPP	Mud Properties			Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	4:00	13:30	20:30	Tel-Bar			
Depth (m)	2330	2775	2805	Kunigel VO (Bulk)			
Mud Weight (SG/PPG)	1.12 9.3	1.12 9.3	1.12 9.3	NaCL			
Funnel Viscosity(sec./qt.)	63	73	83	KCL			
A.V(cps) at / cent.	33.5	37 /21.5	45	Tel-Polymer DX			
P.V(cps)	23	26 / 15	32	Tel-Polymer L			
Y.V(lb/100ft^2)	21	22 / 13	26	Tel-Polymer H			
10"Gel(lb/100ft^2)	4	4 / 3	4	XCD-Polymer			
10'Gel(lb/100ft^2)	5	6 / 4	6	Soda Ash			
API Filtrate(cc/30min.)	4.5	4.4	4.5	Caustic potash			
Cake Thickness(mm)	0.5	0.5	0.5	Clean Lube			
pH(-)	9.7	12.1	12.1	Tel Clean			
Pf(cc)	0.2	0.2	0.3	Bi-Carbonate			
Pm(cc)	1.2	9.8	10.0	Lime			
Mf(cc)	0.5	0.7	0.8	Defoamer 30C			
Cl^-(mg/l)	79,900	79,500	79,500	Telnite GXL			
Sand Content(%)	Tr	Tr	0.1	Tel-DD			
Oil Content(% Vol.)	0	0	0	Caustic soda			
Solid Content(% Vol.)	6	6	7	Lignate NC			
M.B.C.(cc/cc.mud)	0.50	0.50	0.50				
Temperature(in/out cent.)	20 13	18 11	16 10				
HT-HP Filtrate(cc)							
HT-HP Filtrate Cake(mm)							
K^+(mg/l)	26,900	28,000	28,000				
Ca^{++}/Mg^{++}(mg/l)	40 24	120 0	120 0				
n Value(600rpm/300rpm)	0.61	0.62	0.63				
k Value(600rpm/300rpm)	1.00	0.59	1.11				
LGS/Drill Solids(% Vol.)	0.3 0.0	0.3 0.0	1.3 1.1				
				Tel Stop G			
				Tel Stop P			
				Tel Mica C			
				Tel Mica M			
				Tel Mica F			
				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	
4:00		67		44		34		22		5		3	
13:30		74	43	48	28	37	22	24	14	4	3	3	2
20:30		90		58		44		28		5		3	

Well Summary

Displace riser with 1.12sgKNPP mud. Wash down F/2,277m-T/2,429m. Pull out F/2,429m-T/2,239m. RIH F/2,239m- T/2,731m. TW 50kN. Pull out F/2,731m - T/2,692m. Wash down F/2,692m - T/2,727m. TW 65kN. Drill out cement F/2,727m-T/2,805m. bottoms up. Casing pressure test.
Drill out cement.
Run centrifuge (2units) 18:00 - 21:30
Mix 62m3 of 1.12sg KNPP mud.

Recommendation

On hand)
1.12sg KNPP mud : 162m3 @Act#3 and Res#2
1.08sg KNPP mud : 124m3 @Res#7

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	110	110	110	120	120	120					OFF	OFF	
Btm2	110	110	110	120	120	120							

Daily Cost	
Total Cost	

MATERIALS REPORT

NO. 15

Well Name C0002F

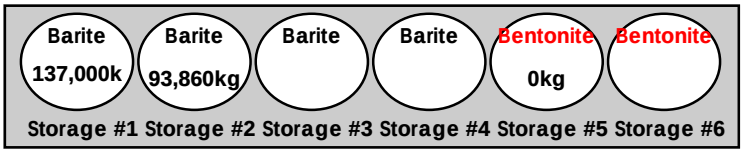
DATE 3. Nov. 13

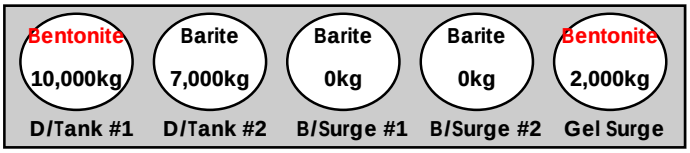
TIME 24:00

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			5,000	65,000	200,000	43,000	
KCL	150,000		92,000			4,000	60,000	600,000	32,000	
Tel-Polymer DX	1,150,000		16,120			1,240	10,600	1,426,000	5,520	
Tel-Polymer L	1,550,000		10,480			460	6,560	713,000	3,920	
Tel-Polymer H	1,550,000		3,600			120	1,660	186,000	1,940	
XCD-Polymer	2,500,000		4,300			125	1,800	312,500	2,500	
Soda Ash	90,000		4,425			175	2,625	15,750	1,800	
Caustic potash	406,800		4,075			125	1,975	50,850	2,100	
Clean Lube	550,000		64,000			2,800	42,000	1,540,000	22,000	
Tel Clean	900,000		4,800						4,800	
Bi-Carbonate	150,000		1,000			250	250	37,500	750	
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. 15

Well Name C0002F

DATE 3, Nov, 13

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Prehy Gel	1.05sg	3.0KL			
Active #2	Return SW	1.03sg	53.0KL			Mixing KNPP mud
Active #3	KNPP	1.12sg	62.0KL			
Active #4	KNPP	1.12sg	46.0KL			Circulation
Active #5	KNPP	1.12sg	22.0KL			
Active #6	Empty					
Chemical	Empty					
Slug	Empty					

Chemical Tank

Unit(kg)

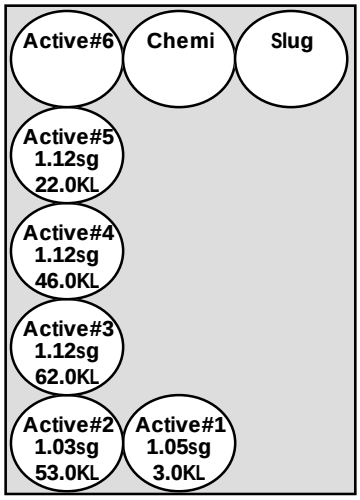
Tank Name	Status	Weight	Monitor
Storage #1	Barite	137,000kg	
Storage #2	Barite	93,860kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	10,000kg	
Daily Tank #2	Barite	7,000kg	
Bar/Surge #1	Barite	0kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #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	Empty					
Reserve #2	KNPP	1.12sg	100.0KL			
Reserve #3	Empty					
Reserve #4	Empty					
Reserve #5	Return SW	1.03sg	165.0KL			
Reserve #6	Return SW	1.03sg	182.0KL			pH:11.5
Reserve #7	KNPP	1.08sg	124.0KL			
Reserve #8	Return SW	1.03sg	80.0KL			
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	6.0KL			

Mud Tank Total WT 962.3 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 137.7 ton

Total Weight 1,349.9 ton

Made by : K.mori