Telnite

Drilling Mud Report(Off Shore)

Engineer H.Ito K.Mori

No. 60

Date 18, December, 2013

TOTAL Depth(MSL) 4,006.5m

Company MQJ

Well Name C0002P (NT3-01)

BRT Depth: 4,035.0 m , SSL Depth: 2,067.5 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	Surface to Bit :	11
Intermediate	20 in	2,827.8 m	CSG Vol. (m^3) :	158	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8.5	Bottom's Up :	121
Intermediate	13.375 in	3,976.5 m	B/Hole Vol. (m^3) :	4	Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	132
Intermediate	in	m	Disp Vol. (m^3) :	19	P/Speed No.1 (spm) :	85	A/Vel DP (ft/min) :		System Total :	163
Intermediate	in	m	T/Circ Vol. (m^3) :	635	P/Speed No.2 (spm) :	85	A/Vel DC1 (ft/min) :			
Intermediate	in	m	Pit Vol. (m^3) :	100	P/Speed No.3 (spm) :	75	A/Vel Rise (ft/min) :		P/ Press (Mpa) :	28.5
Production	in	m	Bit Size (inch) :	12.25	Rate (gal/min) :	1,221				

Mud Type: KNPP	Mud Properties						Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)	4:00		15:30				Tel-Bar			
Depth (m)	3975		4018		Hivis		Kunigel VO (Bulk)			
Mud Weight (SG/PPG)	1.28	10.7	1.28	10.7	1.28	10.7	NaCL			
Funnel Viscosity(sec./qt.)	102		106		300		KCL			
A.V(cps) at 49 cent.	68.5		70.5/34.5		106		Tel-Polymer DX			
P.V(cps)	46		47 / 24		59		Tel-Polymer L			
Y.V(lb/100ft^2)	45		47 / 21		94		Tel-Polymer H			
10"Gel(lb/100ft^2)	6		6 / 3		15		XCD-Polymer			
10'Gel(lb/100ft^2)	10		9 / 7		30		Soda Ash			
API Filtrate(cc/30min.)	2.8		2.8				Caustic potash			
Cake Thickness(mm)	0.5		0.5				Clean Lube			
pH(-)	12.0		11.8		11.7		Tel Clean			
Pf(cc)	0.2		0.2				Bi-Carbonate			
Pm(cc)	4.3		4.5				Lime			
Mf(cc)	0.5		0.4				Defoamer 30C			
Cl^-(mg/l)	110,000		110,000				Telnite GXL			
Sand Content(%)	0.3		0.2				Tel-DD			
Oil Content(% Vol.)	0		0				Caustic soda			
Solid Content(% Vol.)	12.5		12.5				Lignate NC			
M.B.C.(cc/cc.mud)	1.00		1.00				Astex S			
Temperature(in/out cent.)	15	13	15	12						
HT-HP Filtrate(cc)							Tel Stop G			
HT-HP Filtrate Cake(mm)							Tel Stop P			
K^+(mg/l)	30,600		30,600				Tel Mica C			
Ca^{++}/Mg^{++}(mg/l)	80		80	0			Tel Mica M			
n Value(600rpm/300rpm)	0.59		0.62		0.47		Tel Mica F			
k Value(600rpm/300rpm)	2.30		0.96		8.14		Tel Plug C			
LGS/Drill Solids(% Vol.)	1.6	1.1	1.6	1.1			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		137	91	71	46	8	5
15:30	15 49	141 69	94 45	74 35	49 23	8 4	6 2
		212	153	125	87	20	14

Well Summary

Drilling to 4,035m. Back ream to 4,029m. Rotation stalled, Attempt to free pipe, reduce pump rate to 6.3Mpa/70spm and Jar down with max 500kN with max torque 20kN. Start rotation and establish free rotation, Increase pump strok to 29.8Mpa/170spm with full return. Pump 10m3 of Hivis mud. Circulation. POOH.

Change shaker screen.

On hand and Remarks

1.11sg KNPP mud : 369m3 @Re#1, Re#2 and Re#3
1.23sg dilution mud : 30m3 @Act#2
1.28sg Hi-vis mud : 57m3 @Act#1, Mixing now
1.13sg 20%LCM mud :24m3 @Act#3

Today's lost mud --m3. (Total 481m3).

Shale Shaker							De-Sander		Mud Cleaner		Centrifuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6							
Top	10	10	10	10	10	10	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Btm1	180	180	180	180	180	180					OFF	OFF	OFF
Btm2	180	180	180	180	180	180							

Daily Cost	
Total Cost	

MATERIALS REPORT

NO. 60

Well Name C0002P (NT3-01)

DATE 18. Dec. 13

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			0kg	
Storage #2	Barite			0kg	
Storage #3	Barite			31,000kg	
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		15,600kg	7,400kg	
Bar/Surge #1	Barite	7,500kg		7,500kg	
Bar/Surge #2	Barite	8,100kg	4,100kg	7,400kg	
Gel Surge	Bentonite			800kg	

Storage #1	Storage #2	Storage #3	Storage #4	Storage #5	Storage #6
Barite 0kg	Barite 0kg	Barite 31,000kg	Barite	Bentonite 0kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 10,000kg	Barite 7,400kg	Barite 7,500kg	Barite 7,400kg	Bentonite 800kg

Total Bulk Tank W.T. 64,100kg

(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			4,100	209,940	168,100	53,300	
Kunigel VO (Bulk)	47,500		29,460				18,660		10,800	
NaCL	40,000	20,000	188,000				163,000		25,000	
KCL	150,000	8,000	165,000			2,000	148,000	300,000	17,000	
Tel-Polymer DX	1,150,000		32,360				25,820		6,540	
Tel-Polymer L	1,550,000		19,120				16,300		2,820	
Tel-Polymer H	1,550,000		6,480				5,580		900	
XCD-Polymer	2,500,000		5,700				5,500		200	
Soda Ash	90,000		6,825				5,900		925	
Caustic potash	406,800		7,275				4,450		2,825	
Clean Lube	550,000		104,800				97,600		7,200	
Tel Clean	900,000		8,000				7,200		800	
Bi-Carbonate	150,000		3,000				2,000		1,000	
Lime	41,600		1,400				160		1,240	
Defoamer 30C	3,250,000		224				32		192	
Telnite GXL	3,900,000		54				18		36	
Tel-DD	640,000		3,200						3,200	
Caustic soda	150,000		1,000				200		800	
Lignate NC	377,000		2,000						2,000	
Astex S	1,250,000		9,600			800	6,400	1,000,000	3,200	
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		2,000				1,000		1,000	
Tel Mica F	450,000		2,500				1,500		1,000	
Tel Plug C	350,000		500						500	
Tel Plug M	350,000		1,980				780		1,200	
Tel Plug F	350,000		1,980				1,000		980	
Tan Cal M	40,000		7,680				3,450		4,230	
Tan Cal F	40,000		7,680				3,180		4,500	
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. 60

DATE 18, Dec, 13

TIME 24:00

Well Name C0002P (NT3-01)

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	*Hi-Vis mud*	1.28sg	57.0KL			Mixing now
Active #2	KNPP	1.23sg	30.0KL			Dilution mud
Active #3	20%LCM mud	1.13sg	24.0KL			
Active #4	KNPP	1.28sg	55.0KL			Circ mud (Suction)
Active #5	KNPP	1.28sg	55.0KL			Circ mud (Return)
Active #6	Slug mud	1.48sg	6.0KL			
Chemical	Seawater	1.03sg	10.0KL			
Slug	Empty					

Chemical Tank

Unit(kg)

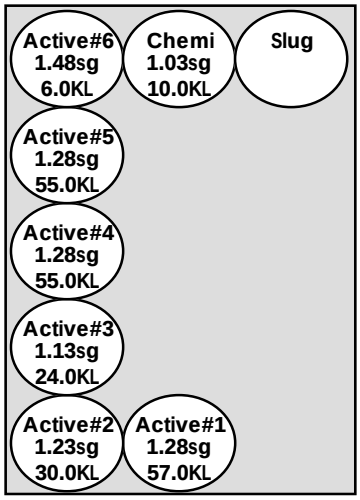
Tank Name	Status	Weight	Monitor
Storage #1	Barite	0kg	
Storage #2	Barite	0kg	
Storage #3	Barite	31,000kg	
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	10,000kg	
Daily Tank #2	Barite	7,400kg	
Bar/Surge #1	Barite	7,500kg	
Bar/Surge #2	Barite	7,400kg	
Gel/Surge #2	Bentonite	800kg	

Chemical Tank Total WT 64.1 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	KNPP	1.11sg	170.0KL			
Reserve #2	KNPP	1.11sg	180.0KL			
Reserve #3	KNPP	1.11sg	19.0KL			
Reserve #4	Empty					
Reserve #5	KNPP	1.28sg	71.0KL			
Reserve #6	Dirty Sea water	1.03sg	181.0KL			
Reserve #7	Dirty Sea water	1.03sg	182.0KL			
Reserve #8	Dirty Sea water	1.03sg	182.0KL			
Sand Trap	KNPP	1.28sg	10.0KL			
Degasser	KNPP	1.28sg	10.0KL			
Desander	KNPP	1.28sg	10.0KL			
Desilter	KNPP	1.28sg	10.0KL			
Soli/con CF	KNPP	1.28sg	10.0KL			
Mud Return	KNPP	1.28sg	10.0KL			
Barite Rec CF	Drill water	1.00sg				

Mud Tank Total WT 1435.6 ton



Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		263,240	4,100	209,940	53,300	
Kunigel VO (Bulk)		29,460		18,660	10,800	

Total SX ROOM Weight 91.8 ton

Total Weight 1,591.5 ton

Made by : K.mori