Telnite

Drilling Mud Report(Off Shore)

Engineer: M.Sawaguchi, K.Mori

No. 24

Date: 12, November, 2013

TOTAL Depth(MSL): 4,231.5 m

Company: MQJ

Well Name: C0002N (NT3-01)

BRT Depth: 4,260.0 m , SSL Depth: 2,292.5 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 :	11
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 :	160
Intermediate	in	m	B/Hole Vol. (m^3) :	213		Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	171
Intermediate	in	m	Disp Vol. (m^3) :	29		P/Speed No.1 (spm) :	95	A/Vel DP (ft/min) :	90	System Total :	185
Intermediate	in	m	T/Circ Vol. (m^3) :	769		P/Speed No.2 (spm) :	95	A/Vel DC1(ft/min) :			
Intermediate	in	m	Pit Vol. (m^3) :	50		P/Speed No.3 (spm) :	80	A/Vel Riser(ft/min) :		P/ Press(Mpa) :	31.2
Production	in	m	Bit Size (inch) :	17		Rate (gal/min) :	1,346				

Mud Type: KNPP

Mud Properties			
Time (Sampling : Suction)	5:30	17:00	
Depth (m)	4004	4183	
Mud Weight (SG/PPG)	1.13 9.4	1.13 9.4	
Funnel Viscosity(sec./qt.)	90	100	
A.V(cps) at /49 cent.	59	57.5/32.5	
P.V(cps)	38	37 / 21	
Y.V(lb/100ft^2)	42	41 / 23	
10"Gel(lb/100ft^2)	7	7 / 3	
10'Gel(lb/100ft^2)	9	9 / 4	
API Filtrate(cc/30min.)	3.8	3.5	
Cake Thickness(mm)	0.5	0.5	
pH(-)	11.5	11.1	
Pf(cc)	0.1	0.1	
Pm(cc)	7.0	5.0	
Mf(cc)	0.4	0.4	
Cl^-(mg/l)	76,000	81,700	
Sand Content(%)	0.2	0.2	
Oil Content(% Vol.)	0	0	
Solid Content(% Vol.)	8	8	
M.B.C.(cc/cc.mud)	0.75	0.75	
Temperature(in/out cent.)	14 11	15 11	
HT-HP Filtrate(cc)			
HT-HP Filtrate Cake(mm)			
K^+(mg/l)	30,500	25,700	
Ca^{++}/Mg^{++}(mg/l)	80 0	80 0	
n Value(600rpm/300rpm)	0.56	0.56	
k Value(600rpm/300rpm)	2.43	1.32	
LGS/Drill Solids(% Vol.)	2.7 2.3	2.6 2.2	

Materials Name	Daily Amount	Total Amount	Daily Cost
Tel-Bar			
Kunigel VO (Bulk)			
NaCL			
KCL			
Tel-Polymer DX			
Tel-Polymer L			
Tel-Polymer H			
XCD-Polymer			
Soda Ash			
Caustic potash			
Clean Lube			
Tel Clean			
Bi-Carbonate			
Lime			
Defoamer 30C			
Telnite GXL			
Tel-DD			
Caustic soda			
Lignate NC			
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
5:30		118	80	64	43	9	6
17:00	15 49	115 65	78 44	63 35	42 24	10 5	7 3

Well Summary

Flow check ,Circulation(dynamic loss 6-15m3/hr). Spot 10m3 of 10% LCM mud @ bottom. Flow check. POOHto 3985m. Circulation((dynamic loss 5m3/hr).RIH to 4003m. Pump 15m3x3 Hivis(total 45m3). flow check (wellstatic-ok). 17"Drill f/4004m to 4085m. Pump 10m3 of Hivis mud evry stand. Dynamic loss 10m3/hr @4085m. Pump 10% LCM mud.
Drilling on.

Today's lost mud 175m3. (Total 181m3)
Made 129m3 of 1.07sg KNPP mud. Made 61m3 of Hi-vis mud.
Made 33m3 of 10% LCM mud.

On hand and Remarks

1.11sg KNPP mud : 86m3 @Res#1
1.08sg KNPP mud : 77m3 @Act#5 and Res#2,
1.12sg 300qt/sec Hi-vis mud : 90m3 @Act#1 and Act#2
1.12sg-10%LCM mud :18m3
1.28sg Slug mud: 13m3@slug tank
Run centrifuge (No.1 1:00 - :24:00) (No.2 1:00 - 24:00)

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	200	200	200	200	200	200					ON	ON	OFF
Btm2	200	200	200	200	200	200							

Daily Cost	
Total Cost	

MATERIALS REPORT

NO. 24

Well Name C0002N (NT3-01)

DATE 12. Nov. 13

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			134,000kg	
Storage #2	Barite			92,000kg	
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			0kg	
Bar/Surge #1	Barite			3,800kg	
Bar/Surge #2	Barite			500kg	
Gel Surge	Bentonite			2,000kg	

Storage #1	Storage #2	Storage #3	Storage #4	Storage #5	Storage #6
Barite 134,000k	Barite 92,000kg	Barite	Barite	Bentonite 0kg	Bentonite

D/Tank #1	D/Tank #2	B/Surge #1	B/Surge #2	Gel Surge
Bentonite 10,000kg	Barite 0kg	Barite 3,800kg	Barite 500kg	Bentonite 2,000kg

Total Bulk Tank W.T. 242,300kg

(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				32,940		230,300	
Kunigel VO (Bulk)	47,500		29,460				17,460		12,000	
NaCL	40,000	4,000	120,000			4,000	83,000	160,000	37,000	
KCL	150,000	2,000	98,000			6,000	93,000	900,000	5,000	
Tel-Polymer DX	1,150,000	2,240	20,040			1,440	17,060	1,656,000	2,980	
Tel-Polymer L	1,550,000		11,920			960	10,980	1,488,000	940	
Tel-Polymer H	1,550,000	720	4,320			240	3,580	372,000	740	
XCD-Polymer	2,500,000		4,300			200	3,375	500,000	925	
Soda Ash	90,000	800	5,225			350	4,250	31,500	975	
Caustic potash	406,800		4,075			250	3,025	101,700	1,050	
Clean Lube	550,000	3,200	71,200			3,200	68,000	1,760,000	3,200	
Tel Clean	900,000		4,800				4,800		0	
Bi-Carbonate	150,000		3,000				900		2,100	
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	500	225,000	0	
Tel Mica F	450,000		1,000			600	600	270,000	400	
Tel Plug C	350,000		500						500	
Tel Plug M	350,000		500			500	500	175,000	0	
Tel Plug F	350,000		1,000			300	300	105,000	700	
Tan Cal M	40,000		1,920			930	930	37,200	990	
Tan Cal F	40,000		1,920			570	570	22,800	1,350	
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. 24

DATE 12, Nov, 13

TIME 24:00

Well Name C0002N (NT3-01)

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Hi-vis mud	1.12sg	60.0KL			for flush and spot
Active #2	Hi-vis mud	1.12sg	35.0KL			for flush and spot
Active #3	KNPP	1.12sg	64.0KL			Mixing now
Active #4	KNPP	1.13sg	24.0KL			Circ mud
Active #5	KNPP	1.07sg	65.0KL			Dilution
Active #6	Seawater	1.03sg	38.0KL			
Chemical	10% LCM	1.12sg	18.0KL			
Slug	Slug mud	1.28sg	13.0KL			

Chemical Tank

Unit(kg)

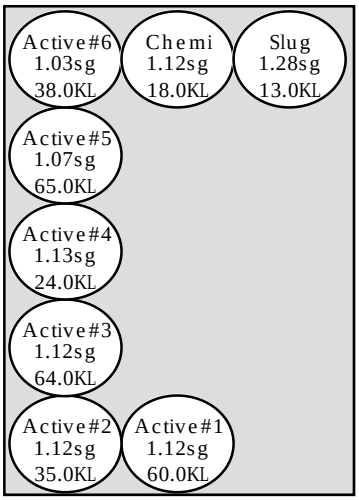
Tank Name	Status	Weight	Monitor
Storage #1	Barite	134,000kg	
Storage #2	Barite	92,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	10,000kg	
Daily Tank #2	Barite	0kg	
Bar/Surge #1	Barite	3,800kg	
Bar/Surge #2	Barite	500kg	
Gel/Surge #2	Bentonite	2,000kg	

Chemical Tank Total WT 242.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Empty					
Reserve #2	KNPP	1.08sg	12.0KL			
Reserve #3	Empty					
Reserve #4	KNPP	1.13sg	26.0KL			
Reserve #5	Return SW	1.03sg	165.0KL			
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 630.2 ton



Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		263,240		32,940	230,300	
Kunigel VO (Bulk)		29,460		17,460	12,000	

Total SX ROOM Weight 68.9 ton

Total Weight 941.4 ton

Made by : K.mori