

Drilling Mud Report(Off Shore)

Engineer M.Sawaguchi
K.Mori

No. 25

Date 13, November, 2013

TOTAL Depth(MSL) 4,269.0 m

Company MQJ

Well Name C0002N (NT3-01)

BRT Depth: 4,297.5 m, SSL Depth: 2,330.0 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)	219	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)	97	A/Vel DP (ft/min)	90	System Total	185
Intermediate	in m	T/Circ Vol. (m ³)	775	P/Speed No.2 (spm)	93	A/Vel DC1(ft/min)		P/ Press(Mpa)	31.3
Intermediate	in m	Pit Vol. (m ³)	50	P/Speed No.3 (spm)	83	A/Vel Riser(ft/min)			
Production	in m	Bit Size (inch)	17	Rate (gal/min)	1,361				

Mud Type:	KNPP	Mud Properties				Materials Name		Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)		1:30	19:30	10:00	Tel-Bar					
Depth (m)		4297.5	Pit	Hivis	Kunigel VO (Bulk)					
Mud Weight (SG/PPG)		1.13 9.4	1.13 9.4	1.12 9.3	NaCl					
Funnel Viscosity(sec./qt.)		107	107	280	KCL					
A.V(cps) at /49 cent.		62	61 / 35	124.5	Tel-Polymer DX					
P.V(cps)		39	39 / 22	75	Tel-Polymer L					
Y.V(lb/100ft ²)		46	44 / 26	99	Tel-Polymer H					
10"Gel(lb/100ft ²)		8	8 / 4	22	XCD-Polymer					
10'Gel(lb/100ft ²)		10	11 / 6	29	Soda Ash					
API Filtrate(cc/30min.)		3.2	3.2		Caustic potash					
Cake Thickness(mm)		0.5	0.5		Clean Lube					
pH(-)		11.1	10.7	10.0	Tel Clean					
Pf(cc)		0.1	0.1		Bi-Carbonate					
Pm(cc)		4.7	4.0		Lime					
Mf(cc)		0.4	0.3		Defoamer 30C					
Cl (mg/l)		81,700	78,100		Telnite GXL					
Sand Content(%)		0.2	0.2		Tel-DD					
Oil Content(% Vol.)		0	0		Caustic soda					
Solid Content(% Vol.)		7.5	7.5		Lignite NC					
M.B.C.(cc/cc.mud)		1.00	1.00		Astex S					
Temperature(in/out cent.)		14 11	15	24	Tel Stop G					
HT-HP Filtrate(cc)					Tel Stop P					
HT-HP Filtrate Cake(mm)					Tel Mica C					
K ⁺ (mg/l)		28,100	27,500		Tel Mica M					
Ca ⁺⁺ /Mg ⁺⁺ (mg/l)		80 0	80 0		Tel Mica F					
n Value(600rpm/300rpm)		0.54	0.54	0.52	Tel Plug C					
k Value(600rpm/300rpm)		2.85	1.61	6.93	Tel Plug M					
LGS/Drill Solids(% Vol.)		1.5 1.0	1.7 1.2		Tel Plug F					
					Tan Cal M					
					Tan Cal F					
					Tan Cal FF					
					EZ Spot (gal/drm)					
					Speeder P					
					Speeder X					

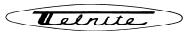
VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
1:30		124	85	68	46	10	7
19:30	15 49	122 70	83 48	67 38	46 26	11 6	8 4
10:00		249	174	139	95	28	21

Well Summary
 Drilled to 4,297.5m. Pump 10m3 Hivis mud at every stand. Pump 4times 15m3 Hivis mud(Total 60m3), Circ.bottom's up. Flowcheck with circulation static well is OK. Spot 50m3 Hivis mud. POOH. Pump out from 4297.5m to 3307m. Cont POOH to2860m. Spot 10m3 LCM mud. POOH to 2767m. Repair IBOP actuator. RIH from 2,767m to 4,215m. Wash down from 4,215m to 4,194m.

Today's lost mud 25m3. (Total 206m3)
 Made 192m3 of KNPP mud. Made 128m3 of Hi-vis mud.

On hand and Remarks
 1.13sg KNPP mud : 117m3 @Res#4(circ mud)
 1.08sg KNPP mud : 40m3 @Act#5 and Res#2 (new mud)
 1.12sg 300qt/sec Hi-vis mud : 104m3 @Act#1,and Act#2.
 1.12sg-10%LCM mud :7.5m3 @Chemical tank, 1.28sg Slug mud: 13m3 @slug tank
 Run centrifuge (No.1 0:00 - 5:30) (No.2 0:00 - 5:30)

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	200	200	200	200	200	200					OFF	OFF	OFF
Btm2	200	200	200	200	200	200							
Daily Cost													
Total Cost													



BALLAST REPORT(Off Shore)

NO. 25

Well Name C0002N (NT3-01)

DATE 13, Nov, 13

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Hi-vis mud	1.12sg	39.0KL			for flush and spot
Active #2	Hi-vis mud	1.12sg	65.0KL			for flush and spot
Active #3	KPP	1.04sg	64.0KL			
Active #4	KNPP	1.13sg	43.0KL			Circ mud
Active #5	KNPP	1.08sg	40.0KL			Dilution
Active #6	Empty					
Chemical	10% LCM	1.12sg	7.5KL			
Slug	Slug mud	1.28sg	13.0KL			

Chemical Tank

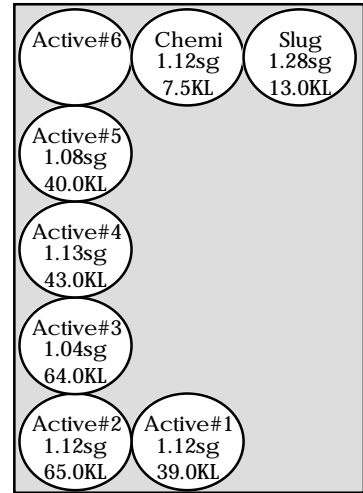
Tank Name	Status	Weight	Monitor
Storage #1	Barite	134,000kg	
Storage #2	Barite	92,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank #1	Bentonite	10,000kg	
Daily Tank #2	Barite	0kg	
Bar/Surge #1	Barite	3,800kg	
Bar/Surge #2	Barite	500kg	
Gel/Surge #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	117.0KL			
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 682.2 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 91.8 ton

Total Weight 1,016.3 ton

Made by : K.mori