

# Drilling Mud Report(Off Shore)

Engineer M.Sawaguchi  
H.Ito

No. \_\_\_\_\_ Date 19, 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 <sup>3</sup> )	392	Pump No.1 (l/st)	19.45	DP Size (in)		Surface to Bit	:
Intermediate	20 in 2,827.8 m	CSG Vol. (m <sup>3</sup> )	143	Pump No.2 (l/st)	19.45	DC1 Size (in)		Bottom's Up	:
Intermediate	in m	B/Hole Vol. (m <sup>3</sup> )	219	Pump No.3 (l/st)	19.45	DC2 Size (in)		Surf to Surf	:
Intermediate	in m	Disp Vol. (m <sup>3</sup> )	29	P/Speed No.1 (spm)		A/Vel DP (ft/min)		System Total	:
Intermediate	in m	T/Circ Vol. (m <sup>3</sup> )	825	P/Speed No.2 (spm)		A/Vel DC1(ft/min)		P/ Press(Mpa)	:
Intermediate	in m	Pit Vol. (m <sup>3</sup> )	100	P/Speed No.3 (spm)		A/Vel Riser(ft/min)			
Production	in m	Bit Size (inch)		Rate (gal/min)					

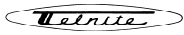
Mud Type:	KNPP	Mud Properties				Materials Name		Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction )		10:00	18:00			Tel-Bar				
Depth (m)		Pit	Pit			Kunigel VO (Bulk)				
Mud Weight (SG/PPG)		1.13 9.4	1.13 9.4			NaCl				
Funnel Viscosity(sec./qt.)		121	116			KCL				
A.V(cps) at / cent.		67.5	66 /38.5			Tel-Polymer DX				
P.V(cps)		42	42 / 25			Tel-Polymer L				
Y.V(lb/100ft <sup>2</sup> )		51	48 / 27			Tel-Polymer H				
10"Gel(lb/100ft <sup>2</sup> )		10	8 / 5			XCD-Polymer				
10'Gel(lb/100ft <sup>2</sup> )		12	11 / 7			Soda Ash				
API Filtrate(cc/30min.)		3.0	3.0			Caustic potash				
Cake Thickness(mm)		0.5	0.5			Clean Lube				
pH(-)		10.1	10.2			Tel Clean				
Pf(cc)		0.1	0.1			Bi-Carbonate				
Pm(cc)		2.5	2.5			Lime				
Mf(cc)		0.3	0.3			Defoamer 30C				
Cl (mg/l)		78,100	78,100			Telnite GXL				
Sand Content(%)		0.1	0.1			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.)		12 10	15 14			Tel Stop G				
HT-HP Filtrate(cc)						Tel Stop P				
HT-HP Filtrate Cake(mm)						Tel Mica C				
K <sup>+</sup> (mg/l)		26,900	26,300			Tel Mica M				
Ca <sup>++</sup> /Mg <sup>++</sup> (mg/l)		80	80			Tel Mica F				
n Value(600rpm/300rpm)		0.54	0.57			Tel Plug C				
k Value(600rpm/300rpm)		3.26	1.52			Tel Plug M				
LGS/Drill Solids(% Vol.)		1.8 1.2	1.8 1.2			Tel Plug F				
						Tan Cal M				
						Tan Cal F				
						Tan Cal FF				
						EZ Spot (gal/drm)				
						Speeder P				
						Speeder X				

**Well Summary**  
 Pump and pull back F/3,995m-T/3,732m to attempt to establish circulation.Pump and run 13-3/8"CSG.Take losses,work pipe and reduce pump rate down to 20spm.maeanwhile mix new mud.pump 6m3 of LCM mud.Cont pumping and runing 13-3/8"CSG to 4,006m.Startic flow check on trip tank.no losses. Cont pumping and runing 13-3/8"CSG f/4,006m t/4009m @40spm.work pipe and reduce pump rate down to 20spm.  
 Today's lost mud 201m3. (Total 426m3)  
 Make up 6m3 of 3.4% Lcm mud and 11m3 of 10.2% LCM mud  
 Make up 128m3 of 1.12sg KNPP mud

**On hand and Remarks**  
 1.12sg KNPP mud : 82m3 @Act#3 and Act#6  
 1.05sg KNPP mud : 30m3 @Res#1 (new mud)  
 1.12sg Hi-vis mud : 11m3 @Act#2  
 1.12sg 10%LCM mud :-m3 @Chemical tank, 1.28sg Slug mud: 12m3 @slug tank

Shale Shaker							De-Sander		Mud Cleaner		Centrifuge		
No.	#.1	#.2	#.3	#.4	#.5	#.6	#.1	#.2	#.1	#.2	#.1	#.2	#.3
Top	10	10	10	10	10	10					OFF	OFF	OFF
Btm1	180	175	180	180	180	180							
Btm2	180	175	180	180	180	180							
Daily Cost													
Total Cost													





# BALLAST REPORT(Off Shore)

NO. \_\_\_\_\_

Well Name C0002N (NT3-01)

DATE 19, Nov, 13

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	CMT Spacer	1.50sg	27.0KL			For Cementing
Active #2	Hi-Vis mud	1.12sg	11.0KL			
Active #3	KNPP	1.12sg	22.0KL			
Active #4	KNPP	1.13sg	32.0KL			Circ mud(Active)
Active #5	KNPP	1.12sg	65.0KL			Mixing
Active #6	KNPP	1.13sg	62.0KL			
Chemical	10% LCM	1.12sg	2.0KL			
Slug	Slug mud	1.28sg	12.0KL			

Chemical Tank

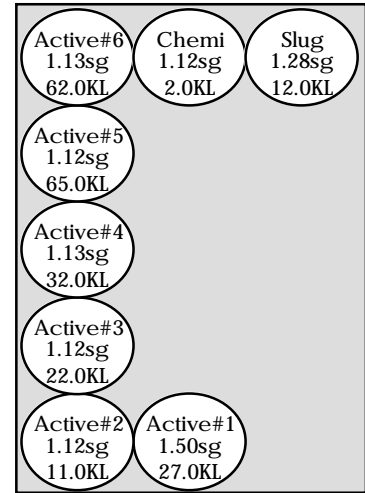
Tank Name	Status	Weight	Monitor
Storage #1	Barite	134,000kg	
Storage #2	Barite	60,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank #1	Bentonite	10,000kg	
Daily Tank #2	Barite	10,000kg	
Bar/Surge #1	Barite	2,000kg	
Bar/Surge #2	Barite	2,800kg	
Gel/Surge #2	Bentonite	2,000kg	

Chemical Tank Total WT      220.8    ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	KNPP	1.05sg	30.0KL			
Reserve #2	Empty					
Reserve #3	Empty					
Reserve #4						
Reserve #5	Return SW	1.03sg	96.0KL			
Reserve #6	Empty					
Reserve #7	Empty					
Reserve #8	Dirty SW	1.03sg	135.0KL			
Sand Trap	KNPP	1.13sg	10.0KL			
Degasser	KNPP	1.13sg	10.0KL			
Desander	KNPP	1.13sg	10.0KL			
Desilter	KNPP	1.13sg	10.0KL			
Soli/con CF	KNPP	1.13sg	10.0KL			
Mud Return	KNPP	1.13sg	10.0KL			
Barite Rec CF	Drill water	1.00sg				

Mud Tank Total WT      611.3    ton



Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		263,240		54,440	208,800	
Kunigel VO (Bulk)		29,460		17,460	12,000	

Total SX ROOM Weight      80.3    ton

Total Weight      912.5    ton

Made by :      H.ito