

Drilling Mud Report(Off Shore)

Engineer M.Sawaguchi
H.Ito

No. 32

Date 20, 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)		Surface to Bit	:
Intermediate	20 in 2,827.8 m	CSG Vol. (m ³)	143	Pump No.2 (l/st)	19.45	DC1 Size (in)		Bottom's Up	:
Intermediate	in m	B/Hole Vol. (m ³)	219	Pump No.3 (l/st)	19.45	DC2 Size (in)		Surf to Surf	:
Intermediate	in m	Disp Vol. (m ³)	29	P/Speed No.1 (spm)		A/Vel DP (ft/min)		System Total	:
Intermediate	in m	T/Circ Vol. (m ³)	825	P/Speed No.2 (spm)		A/Vel DC1(ft/min)		P/ Press(Mpa)	:
Intermediate	in m	Pit Vol. (m ³)	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)		9:00		20:00		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.)		120		119		KCL				
A.V(cps) at / cent.		65		65 /37.5		Tel-Polymer DX				
P.V(cps)		40		41 / 23		Tel-Polymer L				
Y.V(lb/100ft ²)		50		48 / 29		Tel-Polymer H				
10"Gel(lb/100ft ²)		9		8 / 5		XCD-Polymer				
10'Gel(lb/100ft ²)		11		11 / 7		Soda Ash				
API Filtrate(cc/30min.)		3.0		3.0		Caustic potash				
Cake Thickness(mm)		0.5		0.5		Clean Lube				
pH(-)		10.2		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)		67,100		64,400		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.)		11		12		Tel Stop G				
HT-HP Filtrate(cc)						Tel Stop P				
HT-HP Filtrate Cake(mm)						Tel Mica C				
K' (mg/l)		25,000		25,000		Tel Mica M				
Ca ⁺⁺ /Mg ⁺⁺ (mg/l)		80		80		Tel Mica F				
n Value(600rpm/300rpm)		0.53		0.53		Tel Plug C				
k Value(600rpm/300rpm)		3.29		1.93		Tel Plug M				
LGS/Drill Solids(% Vol.)		2.4	1.8	2.5	2.0	Tel Plug F				
						Tan Cal M				
						Tan Cal F				
						Tan Cal FF				
						EZ Spot (gal/drm)				
						Speeder P				
						Speeder X				

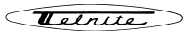
Well Summary

Work pipe w/pumping, pump out hole f/4,009m-T/3,037m. Pump 5m3 slug mud. POOH to 2,816m. Flow check, static loss 1.3m3. RIH to 2,886m. Pick up X-O for connect saver sub. POOH to 2,867m (40m below shoe). Spot 10m3 of 20% LCM mud. POOH to 2,800m. Pump slug. Cont POOH with 13-3/8" CSG on landing string F/2,800m-T/2,314m. Observe heavy build up of cuttings and debris around PADRT. change out running tool. Make up hanger. Pick up hanger stand. ramback hanger stand.
Today's lost mud 36m3. (Total 462m3). Make up 33m3 of 20% 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
Run Centrifuge No.1 and No.2 (20:30-23:00) with booster line.

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. 32

Well Name C0002N (NT3-01)

DATE 20, 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	20%LCM mud	1.13sg	24.0KL			
Active #4	KNPP	1.13sg	45.0KL			Circ mud(Active)
Active #5	KNPP	1.12sg	26.0KL			
Active #6	KNPP	1.13sg	64.0KL			Mixing
Chemical	Empty					
Slug	Slug mud	1.28sg	2.0KL			

Chemical Tank

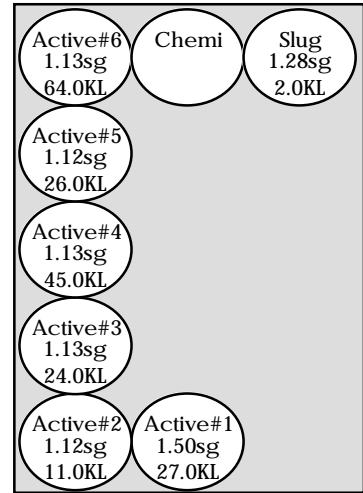
Tank Name	Status	Weight	Monitor
Storage #1	Barite	134,000kg	
Storage #2	Barite	60,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank #1	Bentonite	10,000kg	
Daily Tank #2	Barite	10,000kg	
Bar/Surge #1	Barite	2,000kg	
Bar/Surge #2	Barite	2,800kg	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

Chemical Tank Total WT 219.6 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	KNPP	1.12sg	66.0KL			
Reserve #2	KNPP	1.12sg	129.0KL			
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 758.9 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	1,200	18,660	10,800	

Total SX ROOM Weight 93.0 ton

Total Weight 1,071.5 ton

Made by : H.ito