

Drilling Mud Report(Off Shore)

Engineer **M.Sawaguchi**
H.Ito

No. 30

Date 18, 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)		7:30	17:00	19:30	Tel-Bar				
Depth (m)		Pit	Pit	Spacer	Kunigel VO (Bulk)				
Mud Weight (SG/PPG)		1.13 9.4	1.13 9.4	1.50 12.5	NaCl				
Funnel Viscosity(sec./qt.)		118	115	37	KCL				
A.V(cps) at / cent.		61	58 / 34	30	Tel-Polymer DX				
P.V(cps)		40	37 / 21	16	Tel-Polymer L				
Y.V(lb/100ft ²)		42	42 / 26	28	Tel-Polymer H				
10"Gel(lb/100ft ²)		8	8 / 4	10	XCD-Polymer				
10'Gel(lb/100ft ²)		10	9 / 6	13	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	11.7	Tel Clean				
Pf(cc)		0.1	0.1		Bi-Carbonate				
Pm(cc)		2.7	2.6		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.)		9 9	11 10	22	Tel Stop G				
HT-HP Filtrate(cc)					Tel Stop P				
HT-HP Filtrate Cake(mm)					Tel Mica C				
K ⁺ (mg/l)		26,300	26,300		Tel Mica M				
Ca ⁺⁺ /Mg ⁺⁺ (mg/l)		80	80		Tel Mica F				
n Value(600rpm/300rpm)		0.57	0.53	0.45	Tel Plug C				
k Value(600rpm/300rpm)		2.30	1.70	2.70	Tel Plug M				
LGS/Drill Solids(% Vol.)		1.8 1.2	2.1 1.5		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
7:30		122	82	67	45	10	8
17:00	15 49	116 68	79 47	63 37	43 28	10 5	7 4
19:30		60	44	37	28	11	9

Well Summary

Continue run 13-3/8"CSG to 2309m. Rig down Spider elevator, Rig up Hydraulic elevator. Pick up CSG hanger & PADPRT. RIH 13-3/8"CSG with 5-7/8"DP. Break circ@3040m. Wash down from3040m to 3955m. T/wight @3955m ,PP18mpa,work pipe.

Mixed 27m3 of CMT Spacer

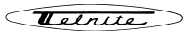
Run Centrifuge No.1 and No.2 (0:00-17:15) with booster line. Today's lost mud --m3. (Total 225m3)

On hand and Remarks

1.13sg KNPP mud : 191m3 @Res#4, Act#5 and Act#6 (circ mud)
 1.05sg KNPP mud : 86m3 @Res#1 (new mud)
 1.12sg Hi-vis mud : 11m3 @Act#2
 1.12sg 10%LCM mud :2m3 @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							
Btm1	180	175	180	180	180	180					OFF	OFF	OFF
Btm2	180	175	180	180	180	180							

Daily Cost	[REDACTED]
Total Cost	[REDACTED]



BALLAST REPORT(Off Shore)

NO. 30

Well Name C0002N (NT3-01)

DATE 18, 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	MT					
Active #4	KNPP	1.13sg	55.0KL			Circ mud(Active)
Active #5	KNPP	1.13sg	15.0KL			Circ mud
Active #6	KNPP	1.13sg	65.0KL			Circ mud
Chemical	10% LCM	1.12sg	2.0KL			
Slug	Slug mud	1.28sg	12.0KL			

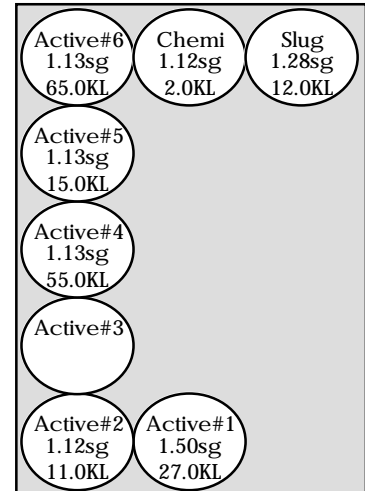
Chemical Tank

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	86.0KL			
Reserve #2	Empty					
Reserve #3	Empty					
Reserve #4	KNPP	1.13sg	111.0KL			
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 744.4 ton

Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		263,240	19,000	54,440	208,800	
Kunigel VO (Bulk)		29,460		17,460	12,000	

Total SX ROOM Weight 105.0 ton

Total Weight 1,070.2 ton

Made by : H.ito