

Drilling Mud Report(Off Shore)

Engineer **K.Mori**
M.Sawaguchi

No. 46

Date 4, December, 2013

TOTAL Depth(MSL) 3,899.5 m

Company MQJ

Well Name C0002N (NT3-01)

BRT Depth: 3,928.0 m, SSL Depth: 1,960.5 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Conductor	36 in 2,121.5 m	Riser Vol. (m³)	392	Pump No.1 (l/st)	19.45	DP Size (in)	5	Surface to Bit	11
Intermediate	20 in 2,827.8 m	CSG Vol. (m³)	155	Pump No.2 (l/st)	19.45	DC1 Size (in)	8.5	Bottom's Up	150
Intermediate	13.375 in 3,976.5 m	B/Hole Vol. (m³)		Pump No.3 (l/st)	19.45	DC2 Size (in)		Surf to Surf	161
Intermediate	in m	Disp Vol. (m³)	17	P/Speed No.1 (spm)	80	A/Vel DP (ft/min)		System Total	191
Intermediate	in m	T/Circ Vol. (m³)	630	P/Speed No.2 (spm)	95	A/Vel DC1(ft/min)		P/ Press(Mpa)	23.8
Intermediate	in m	Pit Vol. (m³)	100	P/Speed No.3 (spm)		A/Vel Riser(ft/min)			
Production	in m	Bit Size (inch)	12.25	Rate (gal/min)	872				

Mud Type:	KNPP	Mud Properties				Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)		2:00	16:00		Tel-Bar				
Depth (m)		3928	Pit		Kunigel VO (Bulk)				
Mud Weight (SG/PPG)		1.15 9.6	1.15	9.6	NaCl				
Funnel Viscosity(sec./qt.)		91	78		KCL				
A.V(cps) at / cent.		59.5	51 / 25.5		Tel-Polymer DX				
P.V(cps)		40	36 / 19		Tel-Polymer L				
Y.V(lb/100ft²)		39	30 / 13		Tel-Polymer H				
10"Gel(lb/100ft²)		4	3 / 2		XCD-Polymer				
10'Gel(lb/100ft²)		6	6 / 6		Soda Ash				
API Filtrate(cc/30min.)		3.4	3.5		Caustic potash				
Cake Thickness(mm)		0.5	0.5		Clean Lube				
pH(-)		12.5	12.3		Tel Clean				
Pf(cc)		0.3	0.3		Bi-Carbonate				
Pm(cc)		5.5	6.0		Lime				
Mf(cc)		0.6	0.6		Defoamer 30C				
Cl (mg/l)		74,600	78,100		Telnite GXL				
Sand Content(%)		0.4	0.3		Tel-DD				
Oil Content(% Vol.)		0	0		Caustic soda				
Solid Content(% Vol.)		8	8		Lignite NC				
M.B.C.(cc/cc.mud)		1.25	1.00		Astex S				
Temperature(in/out cent.)		12 10	14						
HT-HP Filtrate(cc)					Tel Stop G				
HT-HP Filtrate Cake(mm)					Tel Stop P				
K ⁺ (mg/l)		30,600	33,000		Tel Mica C				
Ca ⁺⁺ /Mg ⁺⁺ (mg/l)		120 0	100		Tel Mica M				
n Value(600rpm/300rpm)		0.59	0.67		Tel Mica F				
k Value(600rpm/300rpm)		1.98	0.48		Tel Plug C				
LGS/Drill Solids(% Vol.)		1.6 0.9	1.3	0.8	Tel Plug M				
					Tel Plug F				
					Tan Cal M				
					Tan Cal F				
					Tan Cal FF				
					EZ Spot (gal/drm)				
					Speeder P				
					Speeder X				

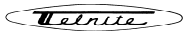
VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
2:00		119	79	61	38	6	4
16:00	15 49	102 51	66 32	51 24	32 15	5 3	3 2

Well Summary
 Continue Circulation. POOH and recover DOC BHA.

 Change shaker screen:
 Top 10# to all 20#, Bottom No.1, No.2, No.5 and No.6 145# to 180#.
 Run Centrifuge No.1 (0:00-2:30)
 Today's lost mud --m3. (Total 481m3).

On hand and Remarks
 1.11sg KNPP mud : 470m3 @Re#1, Re#2 and Re#3
 1.16sg Hi-vis mud : 38m3 @Act#1
 1.13sg 20%LCM mud :24m3 @Act#3

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	180	180	145	145	180	180					OFF	OFF	OFF
Btm2	180	180	145	145	180	180							
Daily Cost													
Total Cost													



BALLAST REPORT(Off Shore)

NO. 46

Well Name C0002N (NT3-01)

DATE 4, Dec, 13

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Hi-Vis mud	1.16sg	38.0KL			
Active #2	Empty					
Active #3	20%LCM mud	1.13sg	24.0KL			
Active #4	KNPP	1.15sg	33.0KL			
Active #5	KNPP	1.15sg	57.0KL			
Active #6	Return SW	1.03sg	27.0KL			
Chemical	Empty					
Slug	Slug mud	1.35sg	10.0KL			

Chemical Tank

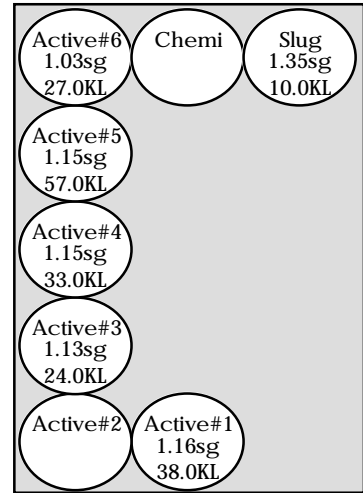
Tank Name	Status	Weight	Monitor
Storage #1	Barite	134,000kg	
Storage #2	Barite	15,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank #1	Bentonite	10,000kg	
Daily Tank #2	Barite	45,500kg	
Bar/Surge #1	Barite	3,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #2	Bentonite	800kg	

Chemical Tank Total WT 208.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	KNPP	1.11sg	170.0KL			
Reserve #2	KNPP	1.11sg	180.0KL			
Reserve #3	KNPP	1.11sg	120.0KL			
Reserve #4	Return SW	1.03sg	156.0KL			
Reserve #5	Empty					
Reserve #6	Empty					
Reserve #7	Return SW	1.03sg	152.0KL			
Reserve #8	Return SW	1.03sg	182.0KL			
Sand Trap	KNPP	1.15sg	10.0KL			
Degasser	KNPP	1.15sg	10.0KL			
Desander	KNPP	1.15sg	10.0KL			
Desilter	KNPP	1.15sg	10.0KL			
Soli/con CF	KNPP	1.15sg	10.0KL			
Mud Return	KNPP	1.15sg	10.0KL			
Barite Rec CF	Drill water	1.00sg				

Mud Tank Total WT 1311.4 ton



Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		263,240		65,740	197,500	
Kunigel VO (Bulk)		29,460		18,660	10,800	

Total SX ROOM Weight 133.6 ton

Total Weight 1,653.3 ton

Made by : M.sawaguchi