

# Drilling Mud Report(Off Shore)

Engineer **K.Mori**  
M.Sawaguchi

No. 42

Date 30, November, 2013

TOTAL Depth(MSL) 3,980.5 m

Company MQJ

Well Name C0002N (NT3-01)

BRT Depth: 4,009.0 m . SSL Depth: 2,041.5 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) :	5	Surface to Bit :	10
Intermediate	20 in 2,827.8 m	CSG Vol. (m <sup>3</sup> ) :	158	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8.5	Bottom's Up :	140
Intermediate	13.375 in 3,976.5 m	B/Hole Vol. (m <sup>3</sup> ) :	2	Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	150
Intermediate	in m	Disp Vol. (m <sup>3</sup> ) :	17	P/Speed No.1 (spm) :	95	A/Vel DP (ft/min) :	187	System Total :	177
Intermediate	in m	T/Circ Vol. (m <sup>3</sup> ) :	636	P/Speed No.2 (spm) :	95	A/Vel DC1(ft/min) :		P/ Press(Mpa) :	16.4
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) :	12.25	Rate (gal/min) :	947				

Mud Type:	KNPP	Mud Properties				Materials Name		Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction )		2:00	16:00	1:00	Tel-Bar					
Depth (m)		3855	Pit	Hivis	Kunigel VO (Bulk)					
Mud Weight (SG/PPG)		1.15   9.6	1.15   9.6	1.16   9.7	NaCl					
Funnel Viscosity(sec./qt.)		85	80	300	KCL					
A.V(cps) at / cent.		54.5	53 / 27	99	Tel-Polymer DX					
P.V(cps)		37	36 / 19	52	Tel-Polymer L					
Y.V(lb/100ft <sup>2</sup> )		35	34 / 16	94	Tel-Polymer H					
10"Gel(lb/100ft <sup>2</sup> )		4	4 / 2	18	XCD-Polymer					
10'Gel(lb/100ft <sup>2</sup> )		6	6 / 4	25	Soda Ash					
API Filtrate(cc/30min.)		3.6	3.6		Caustic potash					
Cake Thickness(mm)		0.5	0.5		Clean Lube					
pH(-)		12.4	12.3	9.0	Tel Clean					
Pf(cc)		0.4	0.3		Bi-Carbonate					
Pm(cc)		6.3	6.8		Lime					
Mf(cc)		0.6	0.6		Defoamer 30C					
Cl (mg/l)		78,100	78,100		Telnate GXL					
Sand Content(%)		0.7	0.6		Tel-DD					
Oil Content(% Vol.)		0	0		Caustic soda					
Solid Content(% Vol.)		8	8		Lignite NC					
M.B.C.(cc/cc.mud)		1.00	1.00		Astex S					
Temperature(in/out cent.)		14   10	14	19	Tel Stop G					
HT-HP Filtrate(cc)					Tel Stop P					
HT-HP Filtrate Cake(mm)					Tel Mica C					
K <sup>+</sup> (mg/l)		33,000	33,000		Tel Mica M					
Ca <sup>++</sup> /Mg <sup>++</sup> (mg/l)		80   49	80		Tel Mica F					
n Value(600rpm/300rpm)		0.60	0.63	0.44	Tel Plug C					
k Value(600rpm/300rpm)		1.73	0.71	9.43	Tel Plug M					
LGS/Drill Solids(% Vol.)		1.3   0.8	1.3   0.8		Tel Plug F					
					Tan Cal M					
					Tan Cal F					
					Tan Cal FF					
					EZ Spot (gal/drm)					
					Speeder P					
					Speeder X					

**Well Summary**

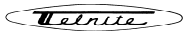
Con't Circ bottoms up @3,855m. Spot 5m3 of Hivis mud. POOH.  
Make up and RIH with fishing BHA.  
Today's lost mud --m3. (Total 481m3),

**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	10	10	10	10	10	10							
Btm1	145	145	145	145	145	145					OFF	OFF	OFF
Btm2	145	145	145	145	145	145							
Daily Cost													
Total Cost													





# BALLAST REPORT(Off Shore)

NO. 42

Well Name C0002N (NT3-01)

DATE 30, Nov, 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	46.0KL			
Active #5	KNPP	1.14sg	35.0KL			
Active #6	Return SW	1.03sg	27.0KL			
Chemical	Empty					
Slug	Slug mud	1.35sg	14.0KL			

Chemical Tank

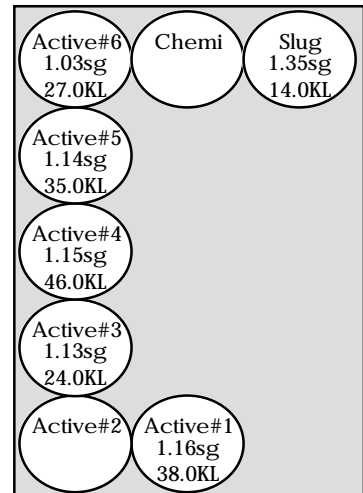
Tank Name	Status	Weight	Monitor
Storage #1	Barite	134,000kg	
Storage #2	Barite	15,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank #1	Bentonite	10,000kg	
Daily Tank #2	Barite	45,500kg	
Bar/Surge #1	Barite	3,000kg	
Bar/Surge #2	Barite	0kg	
Gel/Surge #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	1.13sg	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 1304.9 ton



Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		263,240	4,000	65,740	197,500	
Kunigel VO (Bulk)		29,460		18,660	10,800	

Total SX ROOM Weight 133.7 ton

Total Weight 1,646.9 ton

Made by : M.sawaguchi