

## Drilling Mud Report(Off Shore)

Engineer **H.Ito**  
M.Sawaguchi

No. 48

Date 6, December, 2013

TOTAL Depth(MSL) 3,898.7 m

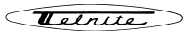
Company MQJ

Well Name C0002N (NT3-01)

BRT Depth: 3,927.2 m, SSL Depth: 1,959.7 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 : 12		
Intermediate	20 in 2,827.8 m	CSG Vol. (m³)	154			Pump No.2 (l/st)	19.45		DC1 Size (in)	8.5		Bottom's Up : 129		
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 : 141		
Intermediate	in m	Disp Vol. (m³)	19			P/Speed No.1 (spm)	75		A/Vel DP (ft/min)			System Total : 177		
Intermediate	in m	T/Circ Vol. (m³)	628			P/Speed No.2 (spm)	75		A/Vel DC1(ft/min)			P/ Press(Mpa) : 12.4		
Intermediate	in m	Pit Vol. (m³)	100			P/Speed No.3 (spm)	80		A/Vel Riser(ft/min)					
Production	in m	Bit Size (inch)	12.25			Rate (gal/min)	1,146							
Mud Type: KNPP		Mud Properties				Materials Name			Daily Amount	Total Amount	Daily Cost			
Time (Sampling : Suction )		2:00		17:00		Tel-Bar								
Depth (m)		Pit		Pit		Kunigel VO (Bulk)								
Mud Weight (SG/PPG)		1.15	9.6	1.15	9.6	NaCl								
Funnel Viscosity(sec./qt.)		81		84		KCL								
A.V(cps) at / cent.		51		53 / 26		Tel-Polymer DX								
P.V(cps)		35		36 / 19		Tel-Polymer L								
Y.V(lb/100ft²)		32		34 / 14		Tel-Polymer H								
10"Gel(lb/100ft²)		3		4 / 3		XCD-Polymer								
10'Gel(lb/100ft²)		6		7 / 5		Soda Ash								
API Filtrate(cc/30min.)		3.6		3.7		Caustic potash								
Cake Thickness(mm)		0.5		0.5		Clean Lube								
pH(-)		12.3		12.4		Tel Clean								
Pf(cc)		0.3		0.3		Bi-Carbonate								
Pm(cc)		6.0		5.7		Lime								
Mf(cc)		0.5		0.6		Defoamer 30C								
Cl (mg/l)		78,100		78,100		Telnite GXL								
Sand Content(%)		0.3		0.3		Tel-DD								
Oil Content(% Vol.)		0		0		Caustic soda								
Solid Content(% Vol.)		8		8		Lignite NC								
M.B.C.(cc/cc.mud)		1.00		1.00		Astex S								
Temperature(in/out cent.)		16		14		Tel Stop G								
HT-HP Filtrate(cc)						Tel Stop P								
HT-HP Filtrate Cake(mm)						Tel Mica C								
K' (mg/l)		31,800		31,800		Tel Mica M								
Ca <sup>++</sup> /Mg <sup>++</sup> (mg/l)		120		120		Tel Mica F								
n Value(600rpm/300rpm)		0.61		0.66		Tel Plug C								
k Value(600rpm/300rpm)		1.53		0.55		Tel Plug M								
LGS/Drill Solids(% Vol.)		1.4	0.8	1.4	0.8	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		102	67	51	32	5	3							
17:00	15 49	106 52	70 33	53 26	34 17	5 3	4 2							
Well Summary														
Make up 13-3/8"CSG Scraper BHA. RIH to 3,927.2m. Tag top of fish. Scraping and Sweep 10m3 Hi-vis mud. Circ bottoms up. POOH. R/up wire line.														
Run Centrifuge No.1 (11:00-14:00) 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 : 27m3 @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					ON	OFF	OFF	
Btm2	180	180	145	145	180	180								
Daily Cost														
Total Cost														





# BALLAST REPORT(Off Shore)

NO. 48

Well Name C0002N (NT3-01)

DATE 6, Dec, 13

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Hi-Vis mud	1.16sg	27.0KL			
Active #2	Empty					
Active #3	20%LCM mud	1.13sg	24.0KL			
Active #4	KNPP	1.15sg	40.0KL			Circ mud
Active #5	KNPP	1.15sg	40.0KL			Circ mud
Active #6	Return SW	1.03sg	30.0KL			
Chemical	Empty					
Slug	Slug mud	1.38sg	13.0KL			

Chemical Tank

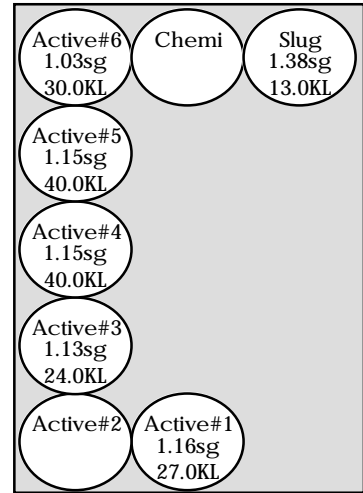
Tank Name	Status	Weight	Monitor
Storage #1	Barite	134,000kg	
Storage #2	Barite	15,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank #1	Bentonite	10,000kg	
Daily Tank #2	Barite	40,000kg	
Bar/Surge #1	Barite	2,500kg	
Bar/Surge #2	Barite	1,500kg	
Gel/Surge #2	Bentonite	800kg	

Chemical Tank Total WT 203.8 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 1294.7 ton



Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		263,240	4,500	70,240	193,000	
Kunigel VO (Bulk)		29,460		18,660	10,800	

Total SX ROOM Weight 133.6 ton

Total Weight 1,632.1 ton

Made by : M.sawaguchi