

# Drilling Mud Report(Off Shore)

Engineer

K.Mori  
H. Ito

No. 81

Date 8, January, 2014

TOTAL Depth(MSL) 4,806.5m

Company MOJ

Well Name C0002P (NT3-01)

BRT Depth: 4,835.0 m, SSL Depth: 2,867.5 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	13
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	135
Intermediate	13.375 in 3,976.5 m	B/Hole Vol. (m³)	97	Pump No.3 (l/st)	19.45	DC2 Size (in)		Surf to Surf	147
Intermediate	in m	Disp Vol. (m³)	23	P/Speed No.1 (spm)	90	A/Vel DP (m/min)	36	System Total	177
Intermediate	in m	T/Circ Vol. (m³)	720	P/Speed No.2 (spm)	90	A/Vel DC1(m/min)	47	P/ Press(Mpa)	32.5
Intermediate	in m	Pit Vol. (m³)	100	P/Speed No.3 (spm)	88	A/Vel Rise(ft/min)			
Production	in m	Bit Size (inch)	14.5	Rate (gal/min)	1,336				

Mud Type:	KNPP	Mud Properties				Materials Name		Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction )		5:00	16:00	15:00	Tel-Bar					
Depth (m)		4799	4835	Hivis	Kunigel VO (Bulk)					
Mud Weight (SG/PPG)		1.32   11.0	1.32   11.0	1.32   11.0	NaCl					
Funnel Viscosity(sec./qt.)		126	120	300	KCL					
A.V(cps) at /49 cent.		79	78 / 48	109	Tel-Polymer DX					
P.V(cps)		48	48 / 29	62	Tel-Polymer L					
Y.V(lb/100ft²)		62	60 / 38	94	Tel-Polymer H					
10"Gel(lb/100ft²)		11	11 / 7	18	XCD-Polymer					
10"Gel(lb/100ft²)		17	16 / 18	26	Soda Ash					
API Filtrate(cc/30min.)		2.4	2.4		Caustic potash					
Cake Thickness(mm)		0.5	0.5		Clean Lube					
pH(-)		11.0	10.8	11.0	Tel Clean					
Pf(cc)		0.2	0.1		Bi-Carbonate					
Pm(cc)		2.5	2.7		Lime					
Mf(cc)		0.4	0.4		Defoamer 30C					
Cl (mg/l)		120,700	117,200		Telnite GXL					
Sand Content(%)		0.1	0.1		Tel-DD					
Oil Content(% Vol.)		0	0		Caustic soda					
Solid Content(% Vol.)		15	15		Lignite NC					
M.B.C.(cc/cc.mud)		1.75	2.00		Astex S					
Temperature(in/out cent.)		13   12	14   12	17	Xanvis					
HT-HP Filtrate(cc)					Tel Stop G					
HT-HP Filtrate Cake(mm)					Tel Stop P					
K' (mg/l)		34,800	35,600		Tel Mica C					
Ca <sup>++</sup> /Mg <sup>++</sup> (mg/l)		80	80   49		Tel Mica M					
n Value(600rpm/300rpm)		0.52	0.52	0.48	Tel Mica F					
k Value(600rpm/300rpm)		4.24	2.64	7.69	Tel Plug C					
LGS/Drill Solids(% Vol.)		2.8   1.9	2.9   1.8		Tel Plug M					
					Tel Plug F					
					Tan Cal M					
					Tan Cal F					
					Tan Cal FF					
					EZ Spot (gal/drm)					
					Speeder P					
					Speeder X					
					Treat HS					

VG METER READING							
Time	Temp	600rpm	300rpm	200rpm	100rpm	6rpm	3rpm
5:00		158	110	88	61	15	11
16:00	14   49	156   96	108   67	87   54	61   38	15   9	11   6
15:00		218	156	129	92	24	18

### Well Summary

Open 12-1/4"hole to 14-1/2"hole from 4775m to 4835m. Pump 7m3, 10m3 of hi-vis mud every half stand. POOH.

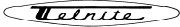
Made 80m3 of Hivis mud.

### On hand and Remarks

1.28sg KNPP(Circ) mud: 173m3 @Re#3  
1.27sg dilution mud : 45m3 @Act#2  
1.32sg Hi-vis mud : 50m3 @Act#6  
1.13sg 20%LCM mud :24m3 @Act#3 Today's lost mud --m3. (Total 496m3).

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	230	200	200	200	200	200					OFF	OFF	OFF
Btm2	230	200	200	200	200	200							

Daily Cost	
Total Cost	



# MATERIALS REPORT

NO. 81

Well Name C0002P (NT3-01)

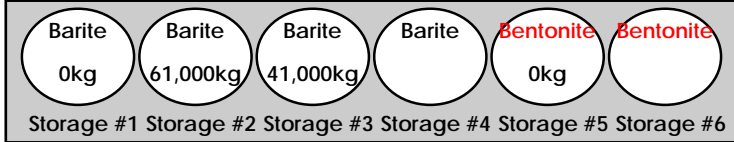
DATE 8. Jan. 14

TIME 24:00

Status of Bulk Tank

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			0kg	
Storage #2	Barite			61,000kg	
Storage #3	Barite			41,000kg	
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite				

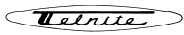
Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			10,000kg	
D/Tank #2	Barite			22,000kg	
Bar/Surge #1	Barite			2,000kg	
Bar/Surge #2	Barite		5,000kg	2,000kg	
Gel Surge	Bentonite			800kg	



Total Bulk Tank W.T. 138,800kg

(Unit : kg)

Materials Name	Unit Price	Receive	T/Receive	B/Load	TTL B/Load	Used	Total Used	Cost	On Hand	Remarks
Tel-Bar	41,000		457,700			5,000	329,700	205,000	128,000	
Kunigel VO (Bulk)	47,500		29,460				18,660		10,800	
NaCL	40,000		200,000				186,000		14,000	
KCL	150,000		185,000				179,000		6,000	
Tel-Polymer DX	1,150,000		32,360			80	27,740	92,000	4,620	
Tel-Polymer L	1,550,000		19,120			120	17,620	186,000	1,500	
Tel-Polymer H	1,550,000		7,080				5,640		1,440	
XCD-Polymer	2,500,000		6,400			50	6,400	125,000	0	
Soda Ash	90,000		7,625				6,225		1,400	
Caustic potash	406,800		7,275				5,875		1,400	
Clean Lube	550,000		121,600				116,800		4,800	
Tel Clean	900,000		10,400				9,800		600	
Bi-Carbonate	150,000		3,000				2,000		1,000	
Lime	41,600		1,400				160		1,240	
Defoamer 30C	3,250,000		224				32		192	
Telnite GXL	3,900,000		54				18		36	
Tel-DD	640,000		3,200						3,200	
Caustic soda	150,000		1,000				200		800	
Lignite NC	377,000		2,000						2,000	
Astex S	1,250,000		16,600				15,800		800	
Xanvis	2,500,000		700			50	50	125,000	650	
Tel Stop G	240,000		500						500	
Tel Stop P	240,000		1,000						1,000	
Tel Mica C	450,000		500						500	
Tel Mica M	450,000		2,000				1,000		1,000	
Tel Mica F	450,000		2,500				1,500		1,000	
Tel Plug C	350,000		500						500	
Tel Plug M	350,000		1,980				780		1,200	
Tel Plug F	350,000		1,980				1,000		980	
Tan Cal M	40,000		7,680				3,450		4,230	
Tan Cal F	40,000		7,680				3,180		4,500	
Tan Cal FF	70,000									
EZ Spot (gal/drm)	85,800		550						550	#85,800/drm
Speeder P	820,000		1,700						1,700	
Speeder X	870,000		1,700						1,700	
Treat HS	800,000		2,160						2,160	



# BALLAST REPORT(Off Shore)

NO. 81

Well Name C0002P (NT3-01)

DATE 8, Jan, 14

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Empty					
Active #2	KNPP	1.27sg	7.0KL			Dilution mud
Active #3	20%LCM mud	1.13sg	24.0KL			
Active #4	KNPP	1.32sg	50.0KL			Circ mud
Active #5	KNPP	1.32sg	50.0KL			Circ mud
Active #6	Hi-Vis mud	1.32sg	66.0KL			
Chemical	Seawater	1.03sg	13.0KL			
Slug	Slug mud	1.60sg	13.0KL			

Chemical Tank

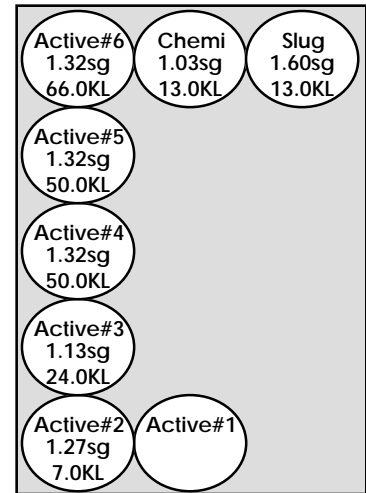
Tank Name	Status	Weight	Monitor
Storage #1	Barite	0kg	
Storage #2	Barite	61,000kg	
Storage #3	Barite	41,000kg	
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	10,000kg	
Daily Tank #2	Barite	22,000kg	
Bar/Surge #1	Barite	2,000kg	
Bar/Surge #2	Barite	2,000kg	
Gel/Surge #2	Bentonite	800kg	

Chemical Tank Total WT 138.8 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Empty					
Reserve #2	Empty					
Reserve #3	KNPP	1.28sg	173.0KL			
Reserve #4	Empty					
Reserve #5	Empty					
Reserve #6	Empty					
Reserve #7	Empty					
Reserve #8	Empty					
Sand Trap	KNPP	1.32sg	10.0KL			
Degasser	KNPP	1.32sg	10.0KL			
Desander	KNPP	1.32sg	10.0KL			
Desilter	KNPP	1.32sg	10.0KL			
Soli/con CF	KNPP	1.32sg	10.0KL			
Mud Return	KNPP	1.32sg	10.0KL			
Barite Rec CF	Drill water	1.00sg				

Mud Tank Total WT 590.0 ton



Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		457,700	5,000	329,700	128,000	
Kunigel VO (Bulk)		29,460		18,660	10,800	

Total SX ROOM Weight 61.6 ton

Total Weight 790.4 ton

Made by : H. Ho