

Drilling Mud Report(Off Shore)

Engineer **K.Mori**
H. Ito

No. 80 Date 7, January, 2014 TOTAL Depth(MSL) 4,746.5m
 Company MOJ Well Name C0002P (NT3-01) BRT Depth: 4,775.0m, SSL Depth: 2,807.5m

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 :	133
Intermediate	13.375 in 3,976.5 m	B/Hole Vol. (m³) :	90	Pump No.3 (l/st) :	19.45	DC2 Size (in) :		Surf to Surf :	145
Intermediate	in m	Disp Vol. (m³) :	23	P/Speed No.1 (spm) :	90	A/Vel DP (m/min) :	36	System Total :	174
Intermediate	in m	T/Circ Vol. (m³) :	714	P/Speed No.2 (spm) :	90	A/Vel DC1(m/min) :	47	P/ Press(Mpa) :	32.8
Intermediate	in m	Pit Vol. (m³) :	100	P/Speed No.3 (spm) :	90	A/Vel Rise(ft/min) :			
Production	in m	Bit Size (inch) :	14.5	Rate (gal/min) :	1,346				

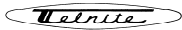
Mud Type:	KNPP	Mud Properties				Materials Name		Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)		5:00	15:00	21:00	Tel-Bar					
Depth (m)		4608	4681	Hivis	Kunigel VO (Bulk)					
Mud Weight (SG/PPG)		1.32	11.0	1.32	11.0	1.32	11.0			
Funnel Viscosity(sec./qt.)		116	118	300	NaCl					
A.V(cps) at /49 cent.		74	76 / 45	110.5	KCL					
P.V(cps)		46	46 / 28	62	Tel-Polymer DX					
Y.V(lb/100ft²)		56	60 / 34	97	Tel-Polymer L					
10"Gel(lb/100ft²)		11	11 / 6	18	Tel-Polymer H					
10'Gel(lb/100ft²)		17	18 / 18	25	XCD-Polymer					
API Filtrate(cc/30min.)		2.4	2.4		Soda Ash					
Cake Thickness(mm)		0.5	0.5		Caustic potash					
pH(-)		11.2	11.4	11.0	Clean Lube					
Pf(cc)		0.2	0.2		Tel Clean					
Pm(cc)		2.5	3.0		Bi-Carbonate					
Mf(cc)		0.5	0.5		Lime					
Cl (mg/l)		120,700	120,700		Defoamer 30C					
Sand Content(%)		0.1	0.1		Telnite GXL					
Oil Content(% Vol.)		0	0		Tel-DD					
Solid Content(% Vol.)		15	15		Caustic soda					
M.B.C.(cc/cc.mud)		1.75	1.75		Lignite NC					
Temperature(in/out cent.)		14	12	14	12	17				
HT-HP Filtrate(cc)					Astex S					
HT-HP Filtrate Cake(mm)					Xanvis					
K' (mg/l)		35,600	34,800		Tel Stop G					
Ca ⁺⁺ /Mg ⁺⁺ (mg/l)		80	80	49	Tel Stop P					
n Value(600rpm/300rpm)		0.54	0.54	0.48	Tel Mica C					
k Value(600rpm/300rpm)		3.59	2.17	8.23	Tel Mica M					
LGS/Drill Solids(% Vol.)		2.8	1.8	2.8	1.9					
					Tel Mica F					
					Tel Plug C					
					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		148	102	82	57	15	10
15:00	15 49	152 90	106 62	84 51	59 35	15 9	10 6
21:00		221	159	130	92	24	18

Well Summary
 Open 12-1/4"hole to 14-1/2"hole from 4590m to 4775m. Pump 10m3 of hi-vis mud every half stand.
 Run Centrifuge No.1 (1:45 - 7:00)
 Change Screen No.1, No.3 and No.6 (200# to 230#)
 Added 150kg of Caustic potash into circulation mud.
 Made 78m3 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	230	200	200	230					OFF	OFF	OFF
Btm2	230	200	230	200	200	230							
Daily Cost													
Total Cost													



MATERIALS REPORT

NO. 80

Well Name C0002P (NT3-01)

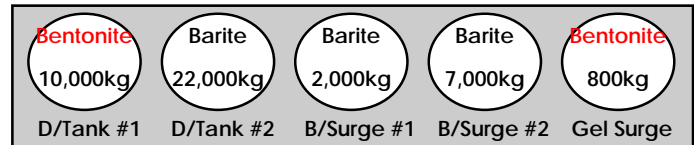
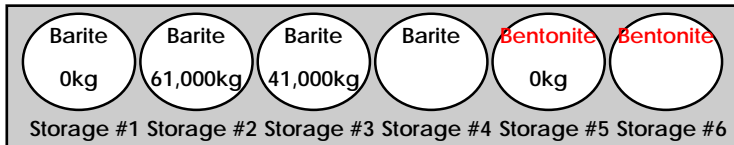
DATE 7. Jan. 14

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				

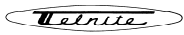
Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			10,000kg	
D/Tank #2	Barite		9,000kg	22,000kg	
Bar/Surge #1	Barite	9,000kg	9,000kg	2,000kg	
Bar/Surge #2	Barite			7,000kg	
Gel Surge	Bentonite			800kg	



Total Bulk Tank W.T. 143,800kg

(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			9,000	324,700	369,000	133,000	
Kunigel VO (Bulk)	47,500		29,460				18,660		10,800	
NaCL	40,000		200,000			2,000	186,000	80,000	14,000	
KCL	150,000		185,000			2,000	179,000	300,000	6,000	
Tel-Polymer DX	1,150,000		32,360				27,660		4,700	
Tel-Polymer L	1,550,000		19,120			200	17,500	310,000	1,620	
Tel-Polymer H	1,550,000		7,080				5,640		1,440	
XCD-Polymer	2,500,000		6,400			100	6,350	250,000	50	
Soda Ash	90,000		7,625				6,225		1,400	
Caustic potash	406,800		7,275			150	5,875	61,020	1,400	
Clean Lube	550,000		121,600			800	116,800	440,000	4,800	
Tel Clean	900,000		10,400			200	9,800	180,000	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	
Lignate NC	377,000		2,000						2,000	
Astex S	1,250,000		16,600				15,800		800	
Xanvis	2,500,000		700						700	
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. 80

Well Name C0002P (NT3-01)

DATE 7, 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	45.0KL			Dilution mud
Active #3	20%LCM mud	1.13sg	24.0KL			
Active #4	KNPP	1.32sg	52.0KL			Circ mud
Active #5	KNPP	1.32sg	52.0KL			Circ mud
Active #6	Hi-Vis mud	1.32sg	50.0KL			
Chemical	Seawater	1.03sg	13.0KL			
Slug	Slug mud	1.56sg	10.0KL			

Chemical Tank

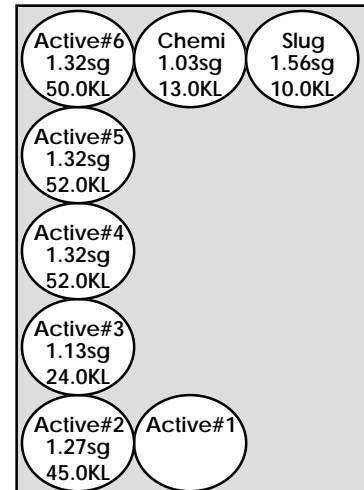
Tank Name	Status	Weight	Monitor
Storage #1	Barite	0kg	
Storage #2	Barite	61,000kg	
Storage #3	Barite	41,000kg	
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank#1	Bentonite	10,000kg	
Daily Tank #2	Barite	22,000kg	
Bar/Surge #1	Barite	2,000kg	
Bar/Surge #2	Barite	7,000kg	
Gel/Surge #2	Bentonite	800kg	

Chemical Tank Total WT 143.8 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 617.2 ton



Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		457,700	9,000	324,700	133,000	
Kunigel VO (Bulk)		29,460		18,660	10,800	

Total SX ROOM Weight 61.9 ton

Total Weight 822.9 ton

Made by: H. Ho