

# Drilling Mud Report(Off Shore)

Engineer **H.Ito**  
M.Sawaguchi

No. **91**

Date **18, January, 2014**

TOTAL Depth(MSL) **4,861.5 m**

Company **MQJ**

Well Name **C0002P (NT3-01)**

BRT Depth: **4,890.0 m**, SSL Depth: **2,922.5 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 :	
Intermediate	20 in 2,827.8 m	CSG Vol. (m³) :	210	Pump No.2 (l/st) :	19.45	DC1 Size (in) :	8.5	Bottom's Up :	
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 :	
Intermediate	in m	Disp Vol. (m³) :	23	P/Speed No.1 (spm) :		A/Vel DP (m/min) :		System Total :	
Intermediate	in m	T/Circ Vol. (m³) :	679	P/Speed No.2 (spm) :		A/Vel DC1(m/min) :		P/ Press(Mpa) :	
Intermediate	in m	Pit Vol. (m³) :	100	P/Speed No.3 (spm) :		A/Vel Riser(ft/min) :			
Production	in m	Bit Size (inch) :	14.5	Rate (gal/min) :					

Mud Type:	KNPP	Mud Properties				Materials Name		Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction )		7:00	17:00			Tel-Bar				
Depth (m)		Pit	Pit	Spacer		Kunigel VO (Bulk)				
Mud Weight (SG/PPG)		1.32	11.0	1.32	11.0	NaCl				
Funnel Viscosity(sec./qt.)		145	140	40		KCL		182,000		
A.V(cps) at / cent.		88	88 / 50	30		Tel-Polymer DX				
P.V(cps)		52	54 / 30	16		Tel-Polymer L				
Y.V(lb/100ft²)		72	68 / 40	28		Tel-Polymer H				
10"Gel(lb/100ft²)		15	14 / 10			XCD-Polymer				
10'Gel(lb/100ft²)		26	23 / 34			Soda Ash				
API Filtrate(cc/30min.)		2.6	2.6			Caustic potash				
Cake Thickness(mm)		0.5	0.5			Clean Lube				
pH(-)		10.8	10.8	12.0		Tel Clean				
Pf(cc)		0.2	0.2			Bi-Carbonate				
Pm(cc)		2.4	2.4			Lime				
Mf(cc)		0.4	0.4			Defoamer 30C				
Cl (mg/l)		120,700	120,700			Telnite GXL				
Sand Content(%)		0.2	0.2			Tel-DD				
Oil Content(% Vol.)		0	0			Caustic soda				
Solid Content(% Vol.)		15	15			Lignite NC				
M.B.C.(cc/cc.mud)		2.50	2.50			Astex S				
Temperature(in/out cent.)		14	14			Xanvis				
HT-HP Filtrate(cc)						Tel Stop G				
HT-HP Filtrate Cake(mm)						Tel Stop P				
K' (mg/l)		36,400	36,400			Tel Mica C				
Ca <sup>++</sup> /Mg <sup>++</sup> (mg/l)						Tel Mica M				
n Value(600rpm/300rpm)		0.51	0.51	0.45		Tel Mica F				
k Value(600rpm/300rpm)		5.31	2.83	2.70		Tel Plug C				
LGS/Drill Solids(% Vol.)		2.7	1.4	2.7	1.4	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				

### Well Summary

Run 11-3/4" Liner CSG to 4890m. Set linerhanger. Attempt break circulation, observed no return. Pressure test and Leak off test. POOH.

Mixed 60m3 of corrosion inhibitor mud (KNPP mud).

### On hand and Remarks

1.32sg Corrosion inhibitor mud (KNPPmud): 134m3 @Act#1 & Act#2  
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	20	20	20	20	20	20							
Btm1	180	230	230	180	230	180					OFF	OFF	OFF
Btm2	180	200	200	180	200	180							
Daily Cost													
Total Cost													

# MATERIALS REPORT

NO. 91

Well Name C0002P (NT3-01)

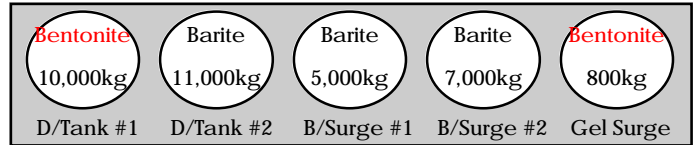
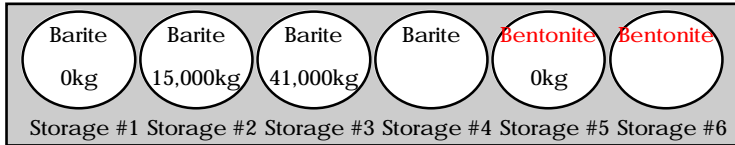
DATE 18. Jan. 14

TIME

**Status of Bulk Tank**

Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
Storage #1	Barite			0kg	
Storage #2	Barite			15,000kg	
Storage #3	Barite			41,000kg	
Storage #4	Barite				
Storage #5	Bentonite			0kg	
Storage #6	Bentonite				

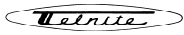
Tank Name	Materials	RCV/Slide	Used	On Hand	Remarks
D/Tank #1	Bentonite			10,000kg	
D/Tank #2	Barite		8,600kg	11,000kg	
Bar/Surge #1	Barite	8,600kg	7,900kg	5,000kg	
Bar/Surge #2	Barite		700kg	7,000kg	
Gel Surge	Bentonite			800kg	



Total Bulk Tank W.T. 89,800kg

(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			8,600	378,700	352,600	79,000	
Kunigel VO (Bulk)	47,500		29,460				18,660		10,800	
NaCl	40,000		200,000				190,000		10,000	
KCL	150,000		185,000				182,000		3,000	
Tel-Polymer DX	1,150,000		32,360				28,980		3,380	
Tel-Polymer L	1,550,000		19,840				18,320		1,520	
Tel-Polymer H	1,550,000		7,080				5,800		1,280	
XCD-Polymer	2,500,000		6,400				6,400		0	
Soda Ash	90,000		7,625				6,350		1,275	
Caustic potash	406,800		8,875			50	7,650	20,340	1,225	
Clean Lube	550,000		125,600				125,600		0	
Tel Clean	900,000		10,400				10,400		0	
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		180			36	90	140,400	90	
Tel-DD	640,000		3,200				800		2,400	
Caustic soda	150,000		1,000				200		800	
Lignite NC	377,000		2,000						2,000	
Astex S	1,250,000		19,000				16,600		2,400	
Xanvis	2,500,000		1,400				400		1,000	
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			600	1,320	480,000	840	



# BALLAST REPORT(Off Shore)

NO. 91

Well Name C0002P (NT3-01)

DATE 18, Jan, 14

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Inhibitor mud (KNPP)	1.32sg	73.0KL			
Active #2	Inhibitor mud (KNPP)	1.32sg	60.0KL			
Active #3	20%LCM mud	1.13sg	24.0KL			
Active #4	Empty					
Active #5	KNPP	1.32sg	48.0KL			Circ mud
Active #6	Empty					
Chemical	CMT Spacer	1.60sg	22.0KL			
Slug	Slug mud	1.53sg	5.0KL			

Chemical Tank

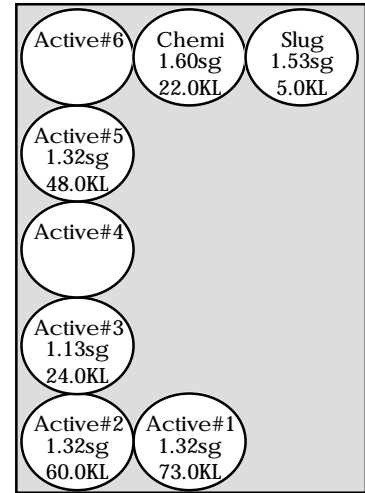
Tank Name	Status	Weight	Monitor
Storage #1	Barite	0kg	
Storage #2	Barite	15,000kg	
Storage #3	Barite	41,000kg	
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank #1	Bentonite	10,000kg	
Daily Tank #2	Barite	11,000kg	
Bar/Surge #1	Barite	5,000kg	
Bar/Surge #2	Barite	7,000kg	
Gel/Surge #2	Bentonite	800kg	

Chemical Tank Total WT 89.8 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Dirty seawater	1.03sg	57.0KL			
Reserve #2	Empty					
Reserve #3	Empty					
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 446.8 ton

Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		457,700	8,600	378,700	79,000	
Kunigel VO (Bulk)		29,460		18,660	10,800	

Total SX ROOM Weight 48.8 ton

Total Weight 585.4 ton

Made by : M.sawaguchi