

Drilling Mud Report(Off Shore)

Engineer M.Sawaguchi
H.Ito

No. 27

Date 15, November, 2013

TOTAL Depth(MSL) 4,269.0 m

Company MQJ

Well Name C0002N (NT3-01)

BRT Depth: 4,297.5 m, SSL Depth: 2,330.0 m

Casing Program		Mud Volume & Bit Data		Pump Data		String Data		Circulation Data (min)	
Conductor	36 in 2,121.5 m	Riser Vol. (m ³)	392	Pump No.1 (l/st)	19.45	DP Size (in)	5.5	Surface to Bit	:
Intermediate	20 in 2,827.8 m	CSG Vol. (m ³)	143	Pump No.2 (l/st)	19.45	DC1 Size (in)	8.5	Bottom's Up	:
Intermediate	in m	B/Hole Vol. (m ³)	219	Pump No.3 (l/st)	19.45	DC2 Size (in)		Surf to Surf	:
Intermediate	in m	Disp Vol. (m ³)	29	P/Speed No.1 (spm)		A/Vel DP (ft/min)		System Total	:
Intermediate	in m	T/Circ Vol. (m ³)	775	P/Speed No.2 (spm)		A/Vel DC1 (ft/min)		P/ Press(Mpa)	:
Intermediate	in m	Pit Vol. (m ³)	50	P/Speed No.3 (spm)		A/Vel Riser(ft/min)			
Production	in m	Bit Size (inch)	17	Rate (gal/min)					

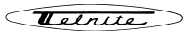
Mud Type:	KNPP	Mud Properties				Materials Name	Daily Amount	Total Amount	Daily Cost
Time (Sampling : Suction)		2:00	17:00			Tel-Bar			
Depth (m)		Pit	Pit			Kunigel VO (Bulk)			
Mud Weight (SG/PPG)		1.13 9.4	1.13	9.4		NaCl			
Funnel Viscosity(sec./qt.)		113	113			KCL			
A.V(cps) at / cent.		64	61.5/35.5			Tel-Polymer DX			
P.V(cps)		40	39 / 21			Tel-Polymer L			
Y.V(lb/100ft ²)		48	45 / 29			Tel-Polymer H			
10"Gel(lb/100ft ²)		9	9 / 5			XCD-Polymer			
10'Gel(lb/100ft ²)		12	11 / 7			Soda Ash			
API Filtrate(cc/30min.)		3.0	3.0			Caustic potash			
Cake Thickness(mm)		0.5	0.5			Clean Lube			
pH(-)		10.1	10.0			Tel Clean			
Pf(cc)		0.1	0.1			Bi-Carbonate			
Pm(cc)		2.5	2.5			Lime			
Mf(cc)		0.3	0.3			Defoamer 30C			
Cl (mg/l)		78,100	78,100			Telnite GXL			
Sand Content(%)		0.2	0.2			Tel-DD			
Oil Content(% Vol.)		0	0			Caustic soda			
Solid Content(% Vol.)		7.5	7.5			Lignite NC			
M.B.C.(cc/cc.mud)		1.00	1.00			Astex S			
Temperature(in/out cent.)		18		18					
HT-HP Filtrate(cc)						Tel Stop G			
HT-HP Filtrate Cake(mm)						Tel Stop P			
K ⁺ (mg/l)		26,900	26,900			Tel Mica C			
Ca ⁺⁺ /Mg ⁺⁺ (mg/l)		80	80			Tel Mica M			
n Value(600rpm/300rpm)		0.54	0.51			Tel Mica F			
k Value(600rpm/300rpm)		3.03	2.13			Tel Plug C			
LGS/Drill Solids(% Vol.)		1.8 1.2	1.8	1.2		Tel Plug M			
						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		128	88	71	49	11	8
17:00	15 49	123 71	84 50	68 40	47 28	11 7	8 5

Well Summary
 POOH to 2860m. Spot 10m³ of 10%LCM mud. POOH. RIH with NSP retrieve tool to 1952m. jet BOP and well head. Cont RIH. Land out NSP at well head.bit depth 2099m. retrieve tool onto NSP. POOH with NSP retrieving tool from 2099m to 1962m. Flush seal area. POOH.
 Today's lost mud 2m³. (Total 225m³)

On hand and Remarks
 1.13sg KNPP mud : 189m³ @Res#4 and Act#6 (circ mud)
 1.08sg KNPP mud : 22m³ @Act#5 (new mud)
 1.04sg KNPP mud : 64m³ @Act#3 (new mud)
 1.12sg 300qt/sec Hi-vis mud : 11m³ @Act#1
 1.12sg 10%LCM mud :2m³ @Chemical tank, 1.28sg Slug mud: 3m³ @slug tank

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					OFF	OFF	OFF
Btm1	175	175	180	180	180	180							
Btm2	175	175	180	180	180	180							
Daily Cost													
Total Cost													



BALLAST REPORT(Off Shore)

NO. 27

Well Name C0002N (NT3-01)

DATE 15, Nov, 13

TIME 24:00

Active Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Active #1	Hi-vis mud	1.12sg	11.0KL			for flush and spot
Active #2	MT					
Active #3	KPP	1.04sg	64.0KL			
Active #4	KNPP	1.13sg	50.0KL			Circ mud(active)
Active #5	KNPP	1.08sg	22.0KL			Dilution
Active #6	KNPP	1.13sg	78.0KL			Circ mud
Chemical	10% LCM	1.12sg	2.0KL			
Slug	Slug mud	1.28sg	3.0KL			

Chemical Tank

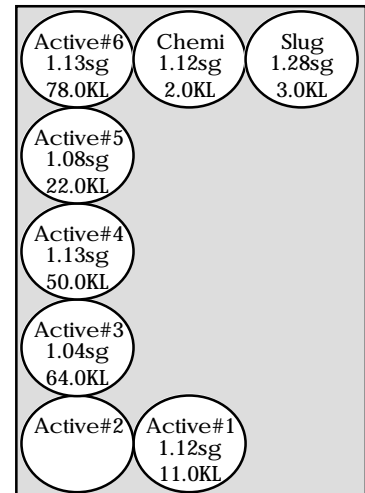
Tank Name	Status	Weight	Monitor
Storage #1	Barite	134,000kg	
Storage #2	Barite	92,000kg	
Storage #3	Barite		
Storage #4	Barite		
Storage #5	Bentonite	0kg	
Storage #6	Bentonite		
Daily Tank #1	Bentonite	10,000kg	
Daily Tank #2	Barite	0kg	
Bar/Surge #1	Barite	3,800kg	
Bar/Surge #2	Barite	500kg	
Gel/Surge #2	Bentonite	2,000kg	

Chemical Tank Total WT 242.3 ton

Reserve Tank & Solid Control Tank

Tank Name	Status	M/W	Vol.	Monitor	Lo Limit	Remarks
Reserve #1	Empty					
Reserve #2	Empty					
Reserve #3	Empty					
Reserve #4	KNPP	1.13sg	111.0KL			(circ mud)
Reserve #5	Return SW	1.03sg	165.0KL			
Reserve #6	Empty					
Reserve #7	Empty					
Reserve #8	Empty					
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 616.5 ton



Bulk Material

Unit(kg)

Materials Name	Receive	Total Receive	Use	Total Use	On Hand	Remarks
Tel-Bar		263,240		32,940	230,300	
Kunigel VO (Bulk)		29,460		17,460	12,000	

Total SX ROOM Weight 105.0 ton

Total Weight 963.8 ton

Made by: Hito