



Daily Drilling Fluid Report

Report No 011

Baroid, a Halliburton Company

Date	15/03/2006	Depth	1,328.0 m
Spud Date	05/03/2006	Rig Activity	Drilling

Operator Lakes Oil NL	Report For Lou De-Vattimo	Well Name Loy Yang-2
Contractor Hunt Energy and Mineral Co Australia PTY LTD	Report For Jason Saunders	Rig Name Rig #2
Country Australia	State/Province/Region Victoria	County/Geographic Area Pacific
		Field or Block Loy Yang

Bit Information	Drill St ring	OD	ID	Length	OD	Casing	MD	Circulation/Hydraulics Data			
Bit Size 6.125 in	ITEM	in	in	m	in	Set	m	Model	TSM - 500	Co Ems DB-550	
Make/Type HYC /	Drill Pipe	3.500	2.602	1,187.0	7.000	@	220.0	Bore in	5.500	5.500	
PS 206A1F+GW 4x12	Drill Collar	4.750	2.250	141.0				Stroke in	16.000	16.000	
TFA 0.442 sq-in								Eff (%)	95	95	
Jets Velocity 183 ft/sec								bbl/strk	.134	.134	
Jet Impact Force 206.4 lbf								SPM	45		
HHSI 1.29 hhp/in2								gpm	252		
Pres Drop @ Bit 257.7 psi								Total gpm	252	AV, Riser	Circ Pressure psi 1,100.0
Bit Depth 1,328.0 m	Open Hole	6.430		1,108.0				Total Circ Time	79.2	AV, DP	Tot Prs Loss psi 836.5
ECD @ Shoe 8.99 ppg								BU Time, min	19.5	AV, DC	100.4 Pres Drop DP psi 489.3
ECD @ Bit 8.98 ppg								Total Strokes	3,565	BU Stroke	877 Pres Drop An psi 75.4
					Form Integrity	14.00	ppg				

Properties	1	2 Hyd	3	4	Targets	Program	Fluid Treatments			
Source	Suction Tank	Suction Tank			1	2	3	4	Fluid Type: KCl/Polymer	
Time	08:25	22:00							Daily KCl Mud Volume : 220 bbl (Premix - 184, Water - 36)	
Depth m	1,208.0	1,310.0							Total KCl Mud Volume : 2149.3 bbl	
FL Temp Deg C	45	47							Desilter : Underflow 12.4 ppg, 1.1 bph, 5 cones @ 40 psi.	
Density ppg @ Deg C	8.65 @ 42	8.65 @ 44			*	*			Dumped sand trap x 3 times. Dumped heavier mud 83 bbl to make room for dilution.	
FV @ Deg C	35 @ 42	36 @ 44							Added Barazan to system to increase the viscosity and rheological values.	
PV @ Deg C	5 @ 49	5 @ 49							Received all chemicals as per DT 990944 of 15/3/2006.	
YP lbs/100 ft2	6	9								
Gels lbs/100 ft2	2/3/4	2/3/4								
600/300	16.0/11.0	19.0/14.0								
200/100	9.0/7.0	12.0/9.0								
6/3	2.0/1.0	3.0/2.0								
API Filt ml/30 min	7.6	6.8								
HTHP ml/30 min @ Deg C										
Cake 32nd in	1.0/0.0	1.0/0.0								
Corr Solids % by vol	1.9	1.9								
NAP/Water % by vol	0.0/97.5	0.0/97.5								
Sand % by vol	0.15	0.10								
MBT ppb Eq.	2.5	2.5								
pH	9.10	9.10								
Alk Mud (Pm)	0.20	0.20								
Alk Filt (Pf/Mf)	0.08/0.30	0.08/0.32								
Chlorides mg/l	5,000	5,500								
Hard Ca mg/l	180	160								
LGS/HGS %	1.9/0.0	1.9/0.0								
LGS/HGS ppb	17.49/0.33	17.21/0.24								
ASG	2.618	2.614								
KCl % wt/vol	1.00	1.00								
Sulfite residual mg/l	100	100								

Rig Activity

Continued to slip and cut line. Ran in hole to 1145 m, and washed to bottom. Drilled from 1164 m to 1328 m.

Product Name	Units	Start	Rec	Used	End	Cost	Solid Control Equipment				Time (Hrs)	
Drilling Fluids Engineer	Day(s)			1		\$A 1,150.00	Shaker	Screens	Hrs		Drilling	20.50
BARAZAN D PLUS	25 Kg bag	10		3	7	\$A 967.32	DFE	110 84 50	24.0		Circulating	
DEXTRID LTE	25 kg bag	45		14	31	\$A 611.24	Hydrocyclones	Cones	Screens	Hrs	Trips	3.00
PAC-L	25 Kg bag	25		3	22	\$A 424.68	2x12" Desander	2 12			Rig	
Baracide	25 Kg can	3	1	1	3	\$A 346.07	Harrisburg	8 5	24.0		Surveys	
KCI - Tech.	25 Kg bag	19	40	14	45	\$A 283.64					Fishing	
N-VIS P PLUS	50 lb bag	5	20	8	17	\$A 240.00					Run Casing	
BARACOR 129	25 Kg can	6	6	2	10	\$A 130.74					Coring	
potassium hydroxide	20 Kg pail	14		2	12	\$A 122.26					Reaming	
barite	25 Kg bag	160			160						Testing	
bentonite	25 Kg bag		2		2						Logging	

Fluid Volume Breakdown KCl/Polymer

Active	bbl	Additions	bbl	Losses	bbl
Annulus	117.1	NAP Base		Dumped	-119.0
Pipe Cap	27.8	Drill Water	215.6	Transferred	
Active Pits	331.0	Dewatering		SC Equip	-103.2
Total Hole	145.0	Sea Water		Evaporation	
Total Circ	476.0	Whole Mud		Trips	
Reserve	6.0	Barite		Other	-20.0
Prev Vol	504.1	Chemicals	4.4	Total Surface	-242.2
Net Chg	-22.2	Other Adds.		Downhole	
Total Vol	482.0	Total Added	220.0	Total Losses	-242.2

Daily Products Cost	\$A 3,125.95	Total Daily Cost	\$A 4,275.95	Other Fluid Types	Vol bbl	Deviation Information
Cumulative Products Cost	\$A 19,516.12	Total Cumulative Cost	\$A 33,316.12			Survey MD 1,157 m
Baroid Representatives: Tun Aung						Survey TVD 1,157 m
Office 90 Talinga Rd		Melbourne	Tel 61-03-9581-7555			Angle 9.00
Warehouse/o of Esso Australia Ltd		via Toora	Victoria			Direction
			Tel 61-3-56-881-445			Horiz Displ. m

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