



Daily Drilling Fluid Report

Report No 012

Baroid, a Halliburton Company

Date	16/03/2006	Depth	1,443.0 m
Spud Date	05/03/2006	Rig Activity	Total Depth, Wireline Logging.

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
Bit Size in		ITEM	in	in	m
Make/Type /					
Jets					
TFA sq-in					
Jets Velocity ft/sec					
Jet Impact Force lbf					
HHSI hhp/in2					
Pres Drop @ Bit psi					
Bit Depth m		Open Hole	6.430		1,223.0
ECD @ Shoe 8.75 ppg					
ECD @ Bit 8.75 ppg					
		Form Integrity 14.00 ppg		Circulation/Hydraulics Data	
				Model	TSM - 500 Co Ems DB-550
				Bore in	5.500 5.500
				Stroke in	16.000 16.000
				Eff (%)	95 95
				bbl/strk	.134 .134
				SPM	
				gpm	
				Total gpm	AV, Riser
				Total Circ Time	AV, DP
				BU Time, min	AV, DC
				Total Strokes	BU Stroke
					Circ Pressure psi
					Tot Prs Loss psi
					Pres Drop DP psi
					Pres Drop An psi

Properties	1	2 Hyd	3	4	Targets	Program	Fluid Treatments
Source	Suction Tank	Flow Line			1 2 3 4		Fluid Type: KCl/Polymer
Time	09:00	17:13					Daily KCl Mud Volume : 46 bbl
Depth m	1,409.0	1,443.0					Total KCl Mud Volume : 2195.3 bbl
FL Temp Deg C	50	50					Desilter : Underflow 11.8 ppg, 0.8 bph, 5 cones @ 40 psi.
Density ppg @ Deg C	8.70 @ 47	8.75 @ 50			* *		
FV @ Deg C	36 @ 47	35 @ 50					
PV @ Deg C	6 @ 49	6 @ 49					Added 0.8 ppb of N Vis P Plus to increase the Yield Point and reduce the Fluid Loss prior to reaching Total Depth.
YP lbs/100 ft2	11	13					
Gels lbs/100 ft2	3/4/5	3/4/5					
600/300	23.0/17.0	25.0/19.0					Pumped 20 bbl of Hi-Vis sweep at TD, no noticeable increase in cuttings returns.
200/100	13.0/11.0	16.0/12.0					
6/3	3.0/2.0	4.0/3.0					
API Filt ml/30 min	7.0	6.5					
HTHP ml/30 min @ Deg C							
Cake 32nd in	1.0/0.0	1.0/0.0					
Corr Solids % by vol	2.2	2.7					
NAP/Water % by vol	0.0/97.2	0.0/96.7					
Sand % by vol	0.10	0.15					
MBT ppb Eq.	2.5	2.5					
pH	9.50	9.00					
Alk Mud (Pm)	0.30	0.20					
Alk Filt (Pf/Mf)	0.12/0.45	0.07/0.40					
Chlorides mg/l	6,000	5,500					
Hard Ca mg/l	220	240					
LGS/HGS %	2.1/0.1	2.7/0.0					
LGS/HGS ppb	19.01/1.24	25.03/-0.54					
ASG	2.662	2.578					
KCl % wt/vol	1.20	1.10					
Sulfite residual mg/l	100	120					

Product Name	Units	Start	Rec	Used	End	Cost	Solid Control Equipment	Time (Hrs)
Drilling Fluids Engineer	Day(s)			1		\$A 1,150.00	Shaker	Drilling 14.00
BARAZAN D PLUS	25 Kg bag	7		2	5	\$A 644.88	Screens	Circulating 1.00
N-VIS P PLUS	50 lb bag	17		11	6	\$A 330.00	Hrs	Trips 5.50
BARACOR 129	25 Kg can	10		3	7	\$A 196.11	Hydrocyclones	Rig 0.50
potassium hydroxide	20 Kg pail	12		2	10	\$A 122.26	Cones	Surveys
Baracide	25 Kg can	3			3		Screens	Fishing
barite	25 Kg bag	160			160		2x12" Desander	Run Casing
bentonite	25 Kg bag	2			2		Harrisburg	Coring
DEXTRID LTE	25 kg bag	31			31			Reaming
KCl - Tech.	25 Kg bag	45			45			Testing
PAC-L	25 Kg bag	22			22			Logging
								Dir Work
								Repair
								Other
								Total
								Rotating
								ROP
								Dil Rate

Fluid Volume Breakdown KCl/Polymer					
Active	bbl	Additions	bbl	Losses	bbl
Annulus	188.8	NAP Base		Dumped	
Pipe Cap		Drill Water	44.5	Transferred	
Active Pits	232.0	Dewatering		SC Equip	-48.2
Total Hole	188.8	Sea Water		Evaporation	
Total Circ	232.0	Whole Mud		Trips	-5.0
Reserve	49.0	Barite		Other	-5.0
Prev Vol	482.0	Chemicals	1.5	Total Surface	-58.2
Net Chg	-12.2	Other Adds.		Downhole	
Total Vol	469.8	Total Added	46.0	Total Losses	-58.2

Daily Products Cost	\$A	1,293.25	Total Daily Cost	\$A	2,443.25	Other Fluid Types	Vol bbl	Deviation Information	
Cumulative Products Cost	\$A	20,809.37	Total Cumulative Cost	\$A	35,759.37			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	Tel 61-3-56-881-445				Direction	
								Horiz Displ.	m

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