Daily Drilling Fluid Report

Report No 010

Baroid, a Halliburton Company

Date 14/03/2006		**Depth** 1,164.0 m	
Spud Date 05/03/2006		**Rig Activity** Bit Trip	

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

Bit Size	6.125 in
Make/Type	HYC / DSX206A1F+GW
Jets	4x12
TFA	0.442 sq-in
Jets Velocity	ft/sec
Jet Impact Force	lbf
HHSI	hhp/in2
Pres Drop @ Bit	psi
Bit Depth	141.0 m
ECD @ Shoe	8.60 ppg
ECD @ Bit	8.60 ppg

Drill String

ITEM	OD in	ID in	Length m
Drill Collar	4.750	2.250	141.0
Open Hole	6.430		944.0

Casing

OD in	Set	MD m
7.000	@	220.0

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	Circ Pressure psi
Total Circ Time	AV, DP	Tot Prs Loss psi
BU Time, min	AV, DC	Pres Drop DP psi
Total Strokes	BU Stroke	Pres Drop An psi

Properties	1	2 Hyd	3	4	Targets 1	2	3	4	Program
Source	Suction Tank	Suction Tank							
Time	11:00	23:59							
Depth m	1,118.0	1,164.0							
FL Temp Deg C	45	30							
Density ppg @ Deg C	8.60 @ 42	8.60 @ 30							8.30 | 9.00
FV @ Deg C	33 @ 42	33 @ 30							
PV @ Deg C	3 @ 49	3 @ 49							
YP lbs/100 ft2	6	6							
Gels lbs/100 ft2	2/3/4	2/3/4							
600/300	12.0/9.0	12.0/9.0							
200/100	7.0/5.0	7.0/5.0							
6/3	2.0/1.0	2.0/1.0							
API Filt ml/30 min	9.0	8.8							
HTHP ml/30 min @Deg C									
Cake 32nd in	1.0/0.0	1.0/0.0							
Corr Solids % by vol	1.4	1.4							
NAP/Water % by vol	0.0/98.0	0.0/98.0							
Sand % by vol	0.10	0.10							
MBT ppb Eq.	2.0	2.5							
pH	9.00	9.10							
Alk Mud (Pm)	0.15	0.18							
Alk Filt (Pf/Mf)	0.05/0.30	0.07/0.35							
Chlorides mg/l	5,500	5,500							
Hard Ca mg/l	180	160							
LGS/HGS %	1.3/0.1	1.3/0.1							
LGS/HGS ppb	11.48/2.10	11.48/2.10							
ASG	2.763	2.763							
KCl % wt/vol -	1.10	1.10							
Sulfite residual mg/l	110	120							

Fluid Treatments

Fluid Type: KCl/Polymer

Daily KCl Mud Volume : 330 bbl (Premix - 276 , Water - 54)
Total KCl Mud Volume : 1929.3 bbl

Desilter : Underflow 12.6 ppg, 1.4 bph, 5 cones @ 40 psi.
Dumped sand trap x 5 times. Dumped heavier mud 140 bbl to make room for dilution.

Drop in viscosity and rheological values due to conserving of chemicals.

Rig Activity

Drilled from 1043 m to 1164 m. Circulated bottoms up. Survey at 1157 m - 9.0 degrees. Bit trip due to slow ROP. Made up new bit (re-run). Ran in BHA. Slip and cut line.

Product Name	Units	Start	Rec	Used	End	Cost
Drilling Fluids Engineer	Day(s)			1		$A 1,150.00
N-VIS P PLUS	50 lb bag	23		18	5	$A 540.00
KCl - Tech.	25 Kg bag	37		18	19	$A 364.68
potassium hydroxide	20 Kg pail	17		3	14	$A 183.39
DEXTRID LTE	25 kg bag	48		3	45	$A 130.98
BARACOR 129	25 Kg can	8		2	6	$A 130.74
Baracide	25 Kg can	3			3	
BARAZAN D PLUS	25 Kg bag	10			10	
barite	25 Kg bag	160			160	
PAC-L	25 Kg bag	25			25	

Solid Control Equipment

Shaker	Screens	Hrs
DFE	110 84 50	24.0

Hydrocyclones	Cones	Screens	Hrs
2x12" Desander	2	12	
Harrisburg	8	5	24.0

Time (Hrs)

Drilling	18.00
Circulating	0.50
Trips	4.00
Rig	0.50
Surveys	0.50
Fishing	
Run Casing	
Coring	
Reaming	
Testing	
Logging	
Dir Work	
Repair	
Other	0.50
Total	24.00
Rotating	18.00
ROP	6.7
Dil Rate	

Fluid Volume Breakdown KCl/Polymer

Active	bbl	Additions	bbl	Losses	bbl
Annulus	141.9	NAP Base		Dumped	-200.0
Pipe Cap	2.3	Drill Water	326.4	Transferred	
Active Pits	292.0	Dewatering		SC Equip	-44.6
Total Hole	144.1	Sea Water		Evaporation	
Total Circ	301.8	Whole Mud		Trips	-5.7
Reserve	68.0	Barite		Other	-30.0
Prev Vol	454.4	Chemicals	3.6	Total Surface	-280.3
Net Chg	49.7	Other Adds.		Downhole	
Total Vol	504.1	Total Added	330.0	Total Losses	-280.3

Daily Products Cost	$A 1,349.79	Total Daily Cost	$A 2,499.79
Cumulative Products Cost	$A 16,390.17	Total Cumulative Cost	$A 29,040.17

Other Fluid Types | **Vol bbl**

Deviation Information

Survey MD	1,157 m
Survey TVD	1,157 m
Angle	9.00
Direction	
Horiz Displ.	m

Baroid Representatives: Tun Aung

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