



Daily Drilling Fluid Report

Report No 004

Baroid, a Halliburton Company

Date	08/03/2006	Depth	450.0 m
Spud Date	05/03/2006	Rig Activity	DST # 1.

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 Dave Hair		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	5.000 in	ITEM		in	in	m	in	Set	m	Model	TSM - 500	Co Ems DB-550
Make/Type	DST TOOL / DST	Drill Pipe	3.500	2.602	295.6	7.000	@	220.0	Bore in	5.500	5.500	
Jct	2	Drill Collar	4.750	2.250	129.1				Stroke in	16.000	16.000	
TFA	2.000 sq-in	Drill Collar	5.000	2.000	25.3				Eff (%)	95	95	
Jets Velocity	ft/sec								bbl/strk	.134	.134	
Jet Impact Force	lbf								SPM			
HHSI	hhp/in2								gpm			
Pres Drop @ Bit	psi								Total gpm			
Bit Depth	450.0 m	Open Hole	6.125		230.0				Total Circ Time			
ECD @ Shoe	8.50 ppg								BU Time, min			
ECD @ Bit	8.50 ppg								Total Strokes			
								Form Integrity		14.00 ppg		

Properties	1	2	3	4	Targets	Program
Source	Flow Line	Suction Tank			1 2 3 4	
Time	14:10	23:00				
Depth m	440.0	450.0				
FL Temp Deg C	30	20				
Density ppg @ Deg C	8.50 @ 30	8.50 @ 20				8.30 9.00
FV @ Deg C	48 @ 30	48 @ 20				
PV @ Deg C	9 @ 49	10 @ 49				
YP lbs/100 ft2	15	15				
Gels lbs/100 ft2	5/6/7	5/6/8				
600/300	33.0/24.0	35.0/25.0				
200/100	20.0/15.0	20.0/15.0				
6/3	5.0/4.0	5.0/4.0				
API Filt ml/30 min	7.2	7.1				
HTHP ml/30 min @Deg C						
Cake 32nd in	1.0/0.0	1.0/0.0				
Corr Solids % by vol	0.7	0.7				
NAP/Water % by vol	0.0/98.6	0.0/98.6				
Sand % by vol	0.20	0.20				
MBT ppb Eq.	1.5	1.5				
pH	8.90	9.00				
Alk Mud (Pm)	0.13	0.15				
Alk Filt (Pf/Mf)	0.07/0.45	0.10/0.50				
Chlorides mg/l	6,500	6,500				
Hard Ca mg/l	240	200				
LGS/HGS %	0.7/0.0	0.7/0.0				
LGS/HGS ppb	6.75/-0.23	6.75/-0.23				
ASG	2.565	2.565				
KCl % wt/vol	1.30	1.30				
Sulfite residual mg/l	100	110				

Fluid Treatments						
Fluid Type: KCl/Polymer						
Daily KCl Mud Volume : 135 bbl (Premix - 92, Water - 43)						
Total KCl Mud Volume : 607 bbl						
Desilter : Underflow 9.7 ppg, 1.5 bph, 5 cones @ 40 psi						
Dumped sand trap x 2 times. Dumped mud - 50 bbl to make room for dilution.						

Rig Activity						
Cut Core # 1 from 415 m to 423.6 m. Circulated. Pulled out to recover. Recovered 2 m out of 8.6 m cut, core barrel jammed in quartz. Ran in with drilling assembly to 401 m. Washed to 415 m. Light ream smaller diameter core hole from 415 to 423.6 m. Drilled from 423.6 m to 450 m, circulated hole clean. Pulled out of hole. Ran in with DST tool to 450 m. Set packers. Opened tool. DST # 1, conventional bottom hole test in Strzelecki Fm from 440.4 - 450 m.						

Product Name	Units	Start	Rec	Used	End	Cost
Drilling Fluids Engineer	Day(s)			1		\$A 1,150.00
BARAZAN D PLUS	25 Kg bag	2		1	1	\$A 322.44
PAC-L	25 Kg bag	18		2	16	\$A 283.12
DEXTRID LTE	25 kg bag	27		4	23	\$A 174.64
N-VIS P PLUS	50 lb bag	12		5	7	\$A 150.00
KCl - Tech.	25 Kg bag	42		7	35	\$A 141.82
BARACOR 129	25 Kg can	9		2	7	\$A 130.74
potassium hydroxide	20 Kg pail	7		2	5	\$A 122.26
Baracide	25 Kg can	2			2	
barite	25 Kg bag	160			160	

Solid Control Equipment				Time (Hrs)	
Shaker	Screens	Hrs			
DFE	110 84 50	19.0			
Hydrocyclones	Cones	Screens	Hrs		
2x12" Desander	2 12				
Harrisburg	8 5	19.0			

Drilling	7.50
Circulating	1.50
Trips	8.50
Rig	
Surveys	
Fishing	
Run Casing	
Coring	
Reaming	1.00
Testing	1.50
Logging	
Dir Work	
Repair	
Other	4.00
Total	24.00
Rotating	8.50
ROP	4.7
Dil Rate	

Fluid Volume Breakdown KCl/Polymer					
Active	bbl	Additions	bbl	Losses	bbl
Annulus	32.3	NAP Base		Dumped	-74.0
Pipe Cap	8.8	Drill Water	132.9	Transferred	
Active Pits	382.8	Dewatering		SC Equip	-28.0
Total Hole	41.0	Sea Water		Evaporation	
Total Circ	423.9	Whole Mud		Trips	
Reserve		Barite		Other	
Prev Vol	390.9	Chemicals	2.1	Total Surface	-102.0
Net Chg	33.0	Other Adds.		Downhole	
Total Vol	423.9	Total Added	135.0	Total Losses	-102.0

Other Fluid Types		Vol bbl	Deviation Information	
			Survey MD	m
			Survey TVD	m
			Angle	
			Direction	
			Horiz Displ.	m

Daily Products Cost	\$A	1,325.02	Total Daily Cost	\$A	2,475.02
Cumulative Products Cost	\$A	9,398.18	Total Cumulative Cost	\$A	15,148.18

Baroid Representatives: Tun Aung			
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