



DRILLING FLUID REPORT

Report #	28	Date :	5-Oct-2006
Rig No	32	Spud :	8-Sep-2006
Depth	3041	to	3041 Metres

OPERATOR	BEACH Petroleum LTD	CONTRACTOR	ENSIGN Int'l Energy SVCs
REPORT FOR	Barry BEETSON	REPORT FOR	David SHEERAN
WELL NAME AND No	GLENAIRE # 1	FIELD	PEP 160
		LOCATION	OTWAY Basin
		STATE	VICTORIA

DRILLING ASSEMBLY		JET SIZE		CASING		MUD VOLUME (BBL)		CIRCULATION DATA																
BIT SIZE	6.00	TYPE	SL12TKPR	OPEN		13 3/8	SURFACE SET @	997	ft	HOLE	324	PITS	388	PUMP SIZE		5 X 8.5		Inches	CIRCULATION PRESS (PSI)		2000	psi		
DRILL PIPE SIZE	3.5	TYPE	15.5 #	Length	2795	Mtrs	9 5/8	INTERMEDIATE SET @	4107	ft	TOTAL CIRCULATING VOL.		712	PUMP MODEL		3 x NAT 8-P80		ASSUMED EFF	97	%	BOTTOMS UP (min)		57	min
DRILL PIPE SIZE	3.50	TYPE	HW	Length	86	Mtrs	7	PRODUCTION/LINER Set @	9839	ft	IN STORAGE		110	BBL/STK@100%		0.0516		STK / MIN	95	TOTAL CIRC. TIME (min)		173	min	
DRILL COLLAR SIZE (")	2.88	Length	161	Mtrs	MUD TYPE		5% KCI-PHPA-POLYMER						BBL/MIN		4.76		GAL / MIN	200	ANN VEL. (ft/min)	206	DP	176		

MUD PROPERTIES				MUD PROPERTY SPECIFICATIONS					
SAMPLE FROM	P/Suction	Below shkrs	Mud Weight	10.2	API Filtrate	6 - 8	HPHT Filtrate	NA	
TIME SAMPLE TAKEN	06.30	23.30	Plastic Vis	ALAP	Yield Point	8 - 15	pH	9.0 - 9.5	
DEPTH (ft) - (m)	Metres	3,041	3,041	KCI	>5%	PHPA	0.75 - 1.5	Sulphites	80 - 120

OBSERVATIONS			
With no drilling, and therefore no new cuttings, mud is slowly cooling. Properties are fairly stable as a result, although fluid loss is showing slight upward trend. Consequently, some premix was bled over.			
FUNNEL VISCOSITY (sec/qt) API @	45 °C	45	45
PLASTIC VISCOSITY cP @	50 °C	12	13
YIELD POINT (lb/100ft²)		9	9
GEL STRENGTHS (lb/100ft²) 10 sec/10 min		2.11	2.11
RHEOLOGY q 600 / q 300		33	21
RHEOLOGY q 200 / q 100		16	10
RHEOLOGY q 6 / q 3		2	2
FILTRATE API (cc's/30 min)		6.8	6.8
HPHT FILTRATE (cc's/30 min) @	°F		
CAKE THICKNESS API : HPHT (32nd in)		1	--
SOLIDS CONTENT (% by Volume)		8.4	8.7
LIQUID CONTENT (% by Volume) OIL/WATER		91.6	91.3

OPERATIONS SUMMARY			
RIH to 3041 m. Circulate and attempt to get signal from mwd tool. No go. Pump slug and POH. Reset mwd. RIH to 3041 m. Circulate and attempt to retrieve signal.			
ALKALINITY MUD (Pm)		0.55	0.60
ALKALINITY FILTRATE (Pf / Mf)	0.40	1.80	0.52
CHLORIDE (mg/L)	118,000	114,000	
TOTAL HARDNESS AS CALCIUM (mg/L)	60	20	
SULPHITE (mg/L)	180	180	
K+ (mg/L)	76,125	76,125	
KCI (% by Wt.)	14.5	14.5	
PHPA (ppb)	0.90	0.90	

Mud Accounting (bbls)				Solids Control Equipment								
FLUID BUILT & RECEIVED		FLUID DISPOSED		SUMMARY		Type	Hrs	Cones	Hrs	FLC 514	Size	Hrs
Premix (drill water)		Desander		INITIAL VOLUME	822	Centrifuge	DE1000			Desander		
Premix (recirc from sump)		Desilter				Degasser				Desilter		
Drill Water		Downhole		+ FLUID RECEIVED								
Direct Recirc Sump		Dumped		- FLUID LOST								
Other (eg Diesel)		Centrifuge		FLUID in STORAGE	110							
TOTAL RECEIVED		TOTAL LOST		FINAL VOLUME	822	Centrifuge			0			

Product	Price	Start	Received	Used	Close	Cost	Solids Analysis		Bit Hydraulics & Pressure Data			
Baryte	\$ 8.20	677		30	647	\$ 246.00		%	PPB	Jet Velocity		
							High Grav solids	0.8	11.42	Impact force		
							Total LGS	7.9	74.9	HHP		
							Bentonite equiv.	0.8	6.9	HSI		
							Drilled Solids	7.1	65.0	Bit Press Loss		
							Salt	7.3	66.0	CSG Seat Frac Press		
							n @ 23.30 Hrs	0.67		Equiv. Mud Wt.		
							K @ 23.30 Hrs	1.73		ECD		
										Max Pressure @ Shoe :		
										2200 psi		
										13.80 ppg		
										10.58 ppg		
										1842 psi		
DAILY COST							CUMULATIVE COST					
\$246.00							\$99,570.23					

Any opinion and/or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation or warranty is made by ourselves or our agents as to its correctness or completeness, and no liability is assumed for any damages resulting from the use of same.