



DRILLING FLUID REPORT

Report #	29	Date :	6-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	TYPE	OPEN		13 3/8	SURFACE SET @	997	ft	HOLE	PITS	PUMP SIZE		CIRCULATION PRESS (PSI)			
6.00	SL12TKPR					304	M	324	388	5	X	8.5	Inches	2000	psi
DRILL PIPE SIZE	TYPE	Length		9 5/8	INTERMEDIATE SET @	4107	ft	TOTAL CIRCULATING VOL.		PUMP MODEL	ASSUMED EFF	BOTTOMS			
3.5	15.5 #	2795	Mtrs			1252	M	712		3 x NAT 8-P80	97	%	UP (min)	57	min
DRILL PIPE SIZE	TYPE	Length		7	PRODUCTION/LINER Set @	9839	ft	IN STORAGE		BBL/STK@ 100%	STK / MIN	TOTAL CIRC.			
3.50	HW	86	Mtrs			2999	M	110		0.0516	95	TIME (min)		173	min
DRILL COLLAR SIZE (")	Length			MUD TYPE						BBL/MIN	GAL / MIN	ANN VEL. (ft/min)	DP DCS	206	
2.88	161	Mtrs		5% KCI-PHPA-POLYMER						4.76	200			176	

SAMPLE FROM		MUD PROPERTIES		MUD PROPERTY SPECIFICATIONS					
TIME SAMPLE TAKEN		P/Suction		Mud Weight	10.2	API Filtrate	6 - 8	HPHT Filtrate	NA
DEPTH (ft) - (m)		20.00		Plastic Vis	ALAP	Yield Point	8 - 15	pH	9.0 - 9.5
FLOWLINE TEMPERATURE		3,041		KCI	>5%	PHPA	0.75 - 1.5	Sulphites	80 - 120
WEIGHT		10.20 1.224		OBSERVATIONS OPERATIONS SUMMARY Circulate at 3040 m and attempt to retrieve signal from MWD. No Go. Pump slug and POH to 1132 m. Strong signal from MWD found. RIH to 2052 m. Lost signal. Attempt to find signal. No Go. POH. Lay out MWD tool. Make up bit and bit sub and RIH to 256 m. Slip and cut line. Wait on directional tools and circulate at low pump rate (35 spm.)					
FUNNEL VISCOSITY (sec/qt) API @		45							
PLASTIC VISCOSITY cP @		13							
YIELD POINT (lb/100ft ²)		10							
GEL STRENGTHS (lb/100ft ²) 10 sec/10 min		2 10							
RHEOLOGY q 600 / q 300		36 23							
RHEOLOGY q 200 / q 100		18 11							
RHEOLOGY q 6 / q 3		3 2							
FILTRATE API (cc's/30 min)		7.0							
HPHT FILTRATE (cc's/30 min) @									
CAKE THICKNESS API : HPHT (32nd in)		1 --							
SOLIDS CONTENT (% by Volume)		8.7							
LIQUID CONTENT (% by Volume) OIL/WATER		91.3							
SAND CONTENT (% by Vol.)		0.10							
METHYLENE BLUE CAPACITY (ppb equiv.)		14.0							
pH		11.0							
ALKALINITY MUD (Pm)		0.56							
ALKALINITY FILTRATE (Pf / Mf)		0.50 1.80							
CHLORIDE (mg/L)		113,000							
TOTAL HARDNESS AS CALCIUM (mg/L)		20							
SULPHITE (mg/L)		150							
K+ (mg/L)		76,125							
KCl (% by Wt.)		14.5							
PHPA (ppb)		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		Shaker #1	4 x 310	12
Premix (recirc from sump)		Desilter		+ FLUID RECEIVED		Degasser				Desilter		Shaker #2	4 x 310	12
Drill Water		Downhole				- FLUID LOST								
Direct Recirc Sump		Dumped		FLUID in STORAGE	110			Overflow (ppg)		Underflow (ppg)		Output (Gal/Min.)		
Other (eg Diesel)		Centrifuge		FINAL VOLUME	822	Centrifuge				0				
TOTAL RECEIVED		TOTAL LOST												

Product	Price	Start	Received	Used	Close	Cost	Solids Analysis		Bit Hydraulics & Pressure Data		
Baryte	\$ 8.20	647		40	607	\$ 328.00		%	PPB	Jet Velocity	
							High Grav solids	0.8	11.42	Impact force	
							Total LGS	7.9	75.0	HHP	
							Bentonite equiv.	0.8	6.9	HSI	
							Drilled Solids	7.2	65.2	Bit Press Loss	
							Salt	7.2	65.4	CSG Seat Frac Press	2200 psi
							n @ 20.00 Hrs	0.65		Equiv. Mud Wt.	13.80 ppg
							K @ 20.00 Hrs	2.09		ECD	10.59 ppg
										Max Pressure @ Shoe :	1842 psi
							DAILY COST		CUMULATIVE COST		
							\$328.00		\$99,898.23		

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