

DRILLING FLUID REPORT



Report #	35	Date :	12-Oct-2006
Rig No	32	Spud :	8-Sep-2006
Depth	3119	to	3119 Metres

OPERATOR	BEACH Petroleum LTD	CONTRACTOR	ENSIGN Int'l Energy SVCs
REPORT FOR	Brian MARRIOTT	REPORT FOR	Andy BAKER
WELL NAME AND No	GLENAIRE # 1 ST1	FIELD	PEP 160
		LOCATION	OTWAY Basin
		STATE	VICTORIA

DRILLING ASSEMBLY		JET SIZE		CASING		MUD VOLUME (BBL)		CIRCULATION DATA												
BIT SIZE	6.00	TYPE	Smith XR+	24	24	24	13 3/8	SURFACE SET @	997	ft	HOLE	324	PITS	438	PUMP SIZE	5 X 8.5	Inches	CIRCULATION PRESS (PSI)	80	psi
DRILL PIPE SIZE	3.5	TYPE	15.5 #	Length	2872	Mtrs	9 5/8	INTERMEDIATE SET @	4107	ft	TOTAL CIRCULATING VOL.	762	PUMP MODEL	3 x NAT 8-P80	ASSUMED EFF	97	%	BOTTOMS UP (min)	131	min
DRILL PIPE SIZE	3.50	TYPE	HW	Length	86	Mtrs	7	PRODUCTION/ LINER Set @	9839	ft	IN STORAGE	71	BBL/STK@ 100%	0.0516	STK / MIN	40	TOTAL CIRC. TIME (min)	416	min	
DRILL COLLAR SIZE (")	4.75	Length	161	Mtrs	MUD TYPE		5% KCI-PHPA-POLYMER		BBL/MIN	2.00	GAL / MIN	84	ANN VEL. (ft/min)	87	DP	87	DCs	153		

SAMPLE FROM		MUD PROPERTIES		MUD PROPERTY SPECIFICATIONS					
TIME SAMPLE TAKEN		P/Suction	P/Suction	Mud Weight	>= 10.0	API Filtrate	6 - 8	HPHT Filtrate	NA
DEPTH (ft) - (m)	Metres		22.30	Plastic Vis	ALAP	Yield Point	8 - 15	pH	9.0 - 9.5
FLOWLINE TEMPERATURE	⁰ C / ⁰ F		3,119	KCI	>5%	PHPA	0.75 - 1.5	Sulphites	80 - 120

WEIGHT		OBSERVATIONS	
WEIGHT	ppg / SG	10.05	1.206
FUNNEL VISCOSITY (sec/qt) API @	⁰ C	39	
PLASTIC VISCOSITY cP @	50 ⁰ C	11	
YIELD POINT (lb/100ft ²)		6	
GEL STRENGTHS (lb/100ft ²) 10 sec/10 min		1	1
RHEOLOGY q 600 / q 300		28	17
RHEOLOGY q 200 / q 100		12	6
RHEOLOGY q 6 / q 3		1	1
FILTRATE API (cc's/30 min)		7.5	
HPHT FILTRATE (cc's/30 min) @	⁰ F		
CAKE THICKNESS API : HPHT (32nd in)		1	--
SOLIDS CONTENT (% by Volume)		7.7	
LIQUID CONTENT (% by Volume) OIL/WATER		92.3	

OPERATIONS SUMMARY	
Wait on goose neck.	
Monitor well with pill tank and circulate through 2" line.	
POH. Pick up mud motor and RIH.	
Test MWD tool at 57 m. Faulty.	
Install goose neck and fix MWD. Pressure test goose neck.	
RIH.	

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	835	Centrifuge	DE1000			Desander			
Premix (recirc from sump)		Desilter				Degasser				Desilter			
Drill Water		Downhole	2	+ FLUID RECEIVED									
Direct Recirc Sump		Dumped		- FLUID LOST	2								
Other (eg Diesel)		Centrifuge		FLUID in STORAGE	71								
TOTAL RECEIVED		TOTAL LOST	2	FINAL VOLUME	833	Centrifuge		Overflow (ppg)		Underflow (ppg)	0	Output (Gal/Min.)	

Product				Solids Analysis			Bit Hydraulics & Pressure Data		
Product	Price	Start	Received	Used	Close	Cost	%	PPB	Jet Velocity
Baryte	\$ 8.20	560		30	530	\$ 246.00	0.9	12.73	20
							6.8	64.5	9
							0.8	7.0	0
							6.0	55.0	0.0
							6.8	62.0	4
							n @ 22.30 Hrs	0.72	2200 psi
							K @ 22.30 Hrs	0.98	13.80 ppg
									10.16 ppg
									Max Pressure @ Shoe : 1919 psi

DAILY COST		CUMULATIVE COST	
\$246.00		\$102,297.46	

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