



DRILLING FLUID REPORT

Report #	32	Date :	2-Jul-2007
Rig No	11	Spud :	1-Jun-2007
Depth	1887	to	1887 Metres

OPERATOR Petro Tech Pty Ltd		CONTRACTOR Century Drilling Limited	
REPORT FOR Dave Hair		REPORT FOR Cesar Miaco	
WELL NAME AND No Boola Boola#2		FIELD PEP 166	LOCATION Gippsland Basin
		STATE Victoria	

DRILLING ASSEMBLY		JET SIZE		CASING		MUD VOLUME (BBL)		CIRCULATION DATA			
BIT SIZE 8.50	TYPE Rock-217	12	12	13 3/8	SURFACE SET @ 49 ft 15 M	HOLE 413	PITS 350	PUMP SIZE 5.5 X 7 Inches		CIRCULATION PRESS (PSI) psi	
DRILL PIPE SIZE 4.5	TYPE 16.6 #	Length 1840 Mtrs		9 5/8	INTERMEDIATE SET @ 1870 ft 570 M	TOTAL CIRCULATING VOL. 813		PUMP MODEL GD-PZ-7	ASSUMED EFF 97 %	BOTTOMS UP (min) min	
DRILL PIPE SIZE 4.50	TYPE HW	Length 37 Mtrs		PRODUCTION, or LINER Set @ ft M		IN STORAGE 50		BBL/STK 0.0499	STK /MIN	TOTAL CIRC. TIME (min) min	
DRILL COLLAR SIZE (") 6.25		Length 8.00		MUD TYPE 10 Mtrs Gel/KCl/Polymer				BBL/MIN	GAL /MIN	ANN VEL. (ft/min)	DP Lam

SAMPLE FROM		MUD PROPERTIES		MUD PROPERTY SPECIFICATIONS				
TIME SAMPLE TAKEN		Suction	Suction	Mud Weight	8.6 - 9.1	API Filtrate	8.0 - 15.0	HPHT Filtrate
DEPTH (ft) - (m)		1,887		Plastic Vis	ALAP	Yield Point	4.0 - 10.0	pH
FLOWLINE TEMPERATURE				KCl	1.0 - 2.0%	PHPA		Sulphites
WEIGHT		10.55 1.267		OBSERVATIONS				
FUNNEL VISCOSITY (sec/qt) API @		42		Barite used for heavy weight pill to POH. *Inventory corrections.				
PLASTIC VISCOSITY cP @		12						
YIELD POINT (lb/100ft ²)		19						
GEL STRENGTHS (lb/100ft ²) 10 sec/10 min		13/20						
RHEOLOGY θ 600 / θ 300		43 31						
RHEOLOGY θ 200 / θ 100		27 21						
RHEOLOGY θ 6 / θ 3		12 11						
FILTRATE API (cc's/30 min)		16.0						
HPHT FILTRATE (cc's/30 min) @								
CAKE THICKNESS API : HPHT (32nd in)		1						
SOLIDS CONTENT (% by Volume)		4.8 11.8		OPERATIONS SUMMARY				
LIQUID CONTENT (% by Volume) OIL/WATER		88.2		RIH to 1718m were packed-off and circulate bottoms up. POH for logging runs. Conduct wire-line logging.				
SAND CONTENT (% by Vol.)		tr						
METHYLENE BLUE CAPACITY (ppb equiv.)		7.5						
pH		8.0						
ALKALINITY MUD (Pm)								
ALKALINITY FILTRATE (Pf / Mf)								
CHLORIDE (mg/L)		5,600						
TOTAL HARDNESS AS CALCIUM (mg/L)		140						
SULPHITE (mg/L)								
K+ (mg/L)								
KCl (% by Wt.)								
PHPA (ppb)								

Mud Accounting (bbls)				Solids Control Equipment							
FLUID BUILT & RECEIVED		FLUID DISPOSED		SUMMARY		Type	Hrs	Cones	Hrs	Size	Hrs
Premix (drill water)		Desander		INITIAL VOLUME	843	Centrifuge		Desander	2	Shaker #1	3 x 210
Premix (recirc from sump)		Desilter				Degasser	Poorbo	Desilter	12	Shaker #2	3 x 210
Drill Water		Downhole	30	+ FLUID RECEIVED							
Direct Recirc Sump		Dumped		- FLUID LOST	30						
Other (eg Diesel)		Other		+ FLUID IN STORAGE	50						
TOTAL RECEIVED		TOTAL LOST		FINAL VOLUME	863	Overflow (ppg)		Underflow (ppg)		Output (Gal/Min.)	
						Desander		0			
						Desilter		0			

Product	Price	Start	Received	Used	Close	Cost	Solids Analysis		Bit Hydraulics & Pressure Data	
Baryte	\$ 10.85	800	960	40	1720	\$ 434.00	%	PPB	Jet Velocity	
Lime	\$ 10.50	8		1	7	\$ 10.50	High Grav solids	4.8	71.11	Impact force
							Total LGS	7.0	65.9	HHP
							Bentonite	0.1	0.6	HSI
							Drilled Solids	6.9	62.7	Bit Press Loss
							Salt	0.3	3.2	CSG Seat Frac Press
							n @ 8:30 Hrs	0.47		500 psi
							K @ 8:30 Hrs	8.36		Equiv. Mud Wt.
										14.20 ppg
										ECD
										Max Pressure @ Shoe :
										355 psi
							DAILY COST		CUMULATIVE COST	
							\$289.30		\$57,312.70	

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.