



DRILLING FLUID REPORT

Report #	30	Date :	30-Jun-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	TYPE	12	12	13	13 3/8	SURFACE	49 ft	HOLE	PITS		PUMP SIZE		CIRCULATION	
8.50	Reed-TD4415PD				SET @	15 M		398	390		5.5 X 7		Inches	
DRILL PIPE	TYPE	Length			9 5/8	INTERMEDIATE	1870 ft	TOTAL CIRCULATING VOL.		PUMP MODEL	ASSUMED EFF	BOTTOMS		
SIZE 4.5	16.6 #	1684 Mtrs			SET @	570 M		868		GD-PZ-7	97 %	UP (min)		
DRILL PIPE	TYPE	Length			PRODUCTION, or			IN STORAGE		BBL/STK	STK /MIN	TOTAL CIRC.		
SIZE 4.50	HW	37 Mtrs			LINER Set @			80		0.0499		TIME (min)		
DRILL COLLAR SIZE (")		Length			MUD TYPE					BBL/MIN	GAL / MIN	ANN VEL.	DP	
6.25	8.00	166 Mtrs			Gel/KCl/Polymer							(ft/min)	DCs	

SAMPLE FROM		MUD PROPERTIES		MUD PROPERTY SPECIFICATIONS			
		Suction	Suction	Mud Weight	8.6 - 9.1	API Filtrate	8.0 - 15.0
TIME SAMPLE TAKEN			16:00	Plastic Vis	ALAP	Yield Point	4.0 - 10.0
DEPTH (ft) - (m)			1,887	KCl	1.0 - 2.0%	PHPA	Sulphites 80 - 120
FLOWLINE TEMPERATURE				OBSERVATIONS			
WEIGHT		ppg / SG		No mud treatment.			
FUNNEL VISCOSITY (sec/qt) API @		°C					
PLASTIC VISCOSITY cP @		45 °C					
YIELD POINT (lb/100ft²)							
GEL STRENGTHS (lb/100ft²) 10 sec/10 min							
RHEOLOGY θ 600 / θ 300							
RHEOLOGY θ 200 / θ 100							
RHEOLOGY θ 6 / θ 3							
FILTRATE API (cc's/30 min)							
HPHT FILTRATE (cc's/30 min) @		°F					
CAKE THICKNESS API : HPHT (32nd in)							
SOLIDS CONTENT (% by Volume)		4.8					
LIQUID CONTENT (% by Volume) OIL/WATER				OPERATIONS SUMMARY			
SAND CONTENT (% by Vol.)		tr		Continue Jarring. Packed hole thought to be at approximately 1750metres.			
METHYLENE BLUE CAPACITY (ppb equiv.)		7.5		Rig up and run logging tools for stuck pipe.			
pH		8.0					
ALKALINITY MUD (Pm)							
ALKALINITY FILTRATE (Pf / Mf)		0.10					
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	898	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	20	+ FLUID RECEIVED							
Direct Recirc Sump		Dumped		- FLUID LOST	30						
Other (eg Diesel)		Other	10	+ FLUID IN STORAGE	80						
TOTAL RECEIVED		TOTAL LOST		FINAL VOLUME				Overflow (ppg)	Underflow (ppg)	Output (Gal/Min.)	
		30		948				Desander	0		
								Desilter	0		

Product	Price	Start	Received	Used	Close	Cost	Solids Analysis		Bit Hydraulics & Pressure Data			
							%	PPB	Jet Velocity			
							High Grav solids	4.8	71.11	Impact force		
							Total LGS	7.7	72.9	HHP		
							Bentonite	0.0	-0.2	HSI		
							Drilled Solids	7.7	70.3	Bit Press Loss		
							Salt	0.3	3.2	CSG Seat Frac Press 500 psi		
							n @ 16:00 Hrs	0.46		Equiv. Mud Wt. 14.20 ppg		
							K @ 16:00 Hrs	9.33		ECD		
										Max Pressure @ Shoe : 345 psi		
							DAILY COST		CUMULATIVE COST			
									\$57,023.40			

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