



DRILLING FLUID REPORT

Report #	31	Date :	1-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 SET @	49 ft	HOLE	413	PITS	360	PUMP SIZE		CIRCULATION PRESS (PSI)		
8.50	Rock-217											5.5	X	7	Inches	psi
DRILL PIPE SIZE	TYPE	Length			9 5/8	INTERMEDIATE SET @	1870 ft	TOTAL CIRCULATING VOL.				PUMP MODEL	ASSUMED EFF	BOTTOMS UP (min)		
4.5	16.6 #	1840		Mtrs			570	M	843			GD-PZ-7	97	%	min	
DRILL PIPE SIZE	TYPE	Length				PRODUCTION, or LINER Set @						BBL/STK	STK /MIN	TOTAL CIRC. TIME (min)		
4.50	HW	37		Mtrs					70			0.0499			min	
DRILL COLLAR SIZE (")		Length				MUD TYPE						BBL/MIN	GAL / MIN	ANN VEL. (ft/min)	DP	
6.25	8.00	10		Mtrs		Gel/KCl/Polymer									DCs	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)			24:00	Plastic Vis	ALAP	Yield Point	4.0 - 10.0	pH
FLOWLINE TEMPERATURE			1,887	KCl	1.0 - 2.0%	PHPA		Sulphites
WEIGHT				OBSERVATIONS				
FUNNEL VISCOSITY (sec/qt) API @			10.55	Hole circulated until a consistent mud weight reached both in and out before POH.				
PLASTIC VISCOSITY cP @			12					
YIELD POINT (lb/100ft ²)			20					
GEL STRENGTHS (lb/100ft ²) 10 sec/10 min			13 19					
RHEOLOGY Ø 600 / Ø 300			44 32					
RHEOLOGY Ø 200 / Ø 100			28 21					
RHEOLOGY Ø 6 / Ø 3			11 10					
FILTRATE API (cc's/30 min)			13.5					
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	3 point tool run in hole to find stuck section. Back-off tool run in and drill string broken between the first and second DC. Drill string POH. Bit and bit sub RIH for wiper trip.				
SAND CONTENT (% by Vol.)			tr					
METHYLENE BLUE CAPACITY (ppb equiv.)			7.5					
pH			8.0					
ALKALINITY MUD (Pm)								
ALKALINITY FILTRATE (Pf / Mf)			0.10 1.00					
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	868	Centrifuge		Desander	2	Shaker #1	3 x 210	2
Premix (recirc from sump)		Desilter				Degasser	Poorbo	Desilter	12	Shaker #2	3 x 210	2
Drill Water		Downhole	26	+ FLUID RECEIVED								
Direct Recirc Sump		Dumped		- FLUID LOST	26							
Other (eg Diesel)		Other		+ FLUID IN STORAGE	70							
TOTAL RECEIVED		TOTAL LOST		FINAL VOLUME	913	Overflow (ppg)		Underflow (ppg)		Output (Gal/Min.)		
		26				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	7.0	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 @ 24:00 Hrs	0.46		500 psi
							K @ 24:00 Hrs	9.33		Equiv. Mud Wt.
										14.20 ppg
										ECD
										Max Pressure @ Shoe :
										355 psi
							DAILY COST		CUMULATIVE COST	
									\$57,023.40	

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