



DRILLING FLUID REPORT

Report #	22	Date :	22-Jun-2007
Rig No	11	Spud :	1-Jun-2007
Depth	1631	to	1706
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	12	13 3/8	SURFACE SET @	49	ft	HOLE	PITS	PUMP SIZE		CIRCULATION						
8.50	Reed-TD43AP						15	M	360	385	5.5	X	7	Inches	PRESS (PSI)	1400	psi		
DRILL PIPE SIZE	TYPE	Length			9 5/8	INTERMEDIATE SET @	1870	ft	TOTAL CIRCULATING VOL.		PUMP MODEL	ASSUMED EFF		BOTTOMS					
4.5	16.6 #	1503		Mtrs			570	M	820		GD-PZ-7	97		%	UP (min)				
DRILL PIPE SIZE	TYPE	Length			PRODUCTION. o LINER Set @			ft	IN STORAGE		BBL/STK	STK / MIN		TOTAL CIRC.					
4.50	HW	37		Mtrs				M	75		0.0499	170		TIME (min)					
DRILL COLLAR SIZE (")	Length				MUD TYPE						BBL/MIN	GAL / MIN		ANN VEL.		DP	163	Tur	
6.25	8.00	166		Mtrs	Gel/KCl/Polymer						8.23	346		(ft/min)		DCs	255	1026	Tur

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)				1100		2230		Plastic Vis	ALAP	Yield Point	4.0 - 10.0	pH			
FLOWLINE TEMPERATURE				1,660		1,702		KCl	1.0 - 2.0%	PHPA		Sulphites			
WEIGHT				51		52		OBSERVATIONS Maintain volume using sump water Running desilter and desander, cracking sand trap to keep MW at 9.4ppg Dumped about 100 bbls of mud to bring MW to 9.4ppg Started using PAC L to bring fluid loss values back in control Using Xanthan gum to increase viscosity and yield point							
FUNNEL VISCOSITY (sec/qt) API @				9.40		1.128						9.40		1.128	
PLASTIC VISCOSITY cP @				35		34									
YIELD POINT (lb/100ft ²)				6		7									
GEL STRENGTHS (lb/100ft ²) 10 sec/10 min				12		10									
RHEOLOGY 0 600 / 0 300				9		14						8		12	
RHEOLOGY 0 200 / 0 100				24		18						24		17	
RHEOLOGY 0 6 / 0 3				15		12						14		10	
FILTRATE API (cc's/30 min)				6		6						6		1	
HPHT FILTRATE (cc's/30 min) @				16.6		19.4									

OPERATIONS SUMMARY			
Drill ahead to midnight depth of 1706m			

Mud Accounting (bbls)				Solids Control Equipment									
FLUID BUILT & RECEIVED		FLUID DISPOSED		SUMMARY		Type	Hrs	Cones	Hrs	Size	Hrs		
Premix (drill water)		Desander	3	INITIAL VOLUME	845	Centrifuge		Desander	2	24	Shaker #1	3 x 210	24
Premix (recirc from sump)		Desilter	17			Degasser	Poorbo	Desilter	12	24	Shaker #2	3 x 210	24
Drill Water		Downhole	74	+ FLUID RECEIVED	200								
Direct Recirc Sump	200	Dumped	100	- FLUID LOST	225								
Other (eg Diesel)		Other	30	+ FLUID IN STORAGE	75								
TOTAL RECEIVED	200	TOTAL LOST	225	FINAL VOLUME	895			Overflow (ppg)	Underflow (ppg)	Output (Gal/Min.)			
						Desander	9.4	13.0	0.10				
						Desilter	9.4	11.5	0.50				

Product		Price	Start	Received	Used	Close	Cost	Solids Analysis		Bit Hydraulics & Pressure Data			
AMC PAC L	\$ 155.20	32		4	28	\$ 620.80		%	PPB	Jet Velocity			334
Xanthan Gum	\$ 361.25	9		2	7	\$ 722.50	High Grav solids	0.1	1.94	Impact force			562
							Total LGS	7.0	66.5	HHP			190
							Bentonite	0.1	0.5	HSI			3.3
							Drilled Solids	7.0	63.3	Bit Press Loss			941
							Salt	0.5	4.5	CSG Seat Frac Press			500 psi
							n @ 2230 Hrs	0.50		Equiv. Mud Wt.			14.20 ppg
							K @ 2230 Hrs	3.91		ECD			12.99 ppg
										Max Pressure @ Shoe :			467 psi
								DAILY COST		CUMULATIVE COST			
								\$1,343.30		\$27,069.70			

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