



DAILY DRILLING REPORT

ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

WELL: AYRFORD-1	DATE: 12/04/08
PERMIT: PEP 168	REPORT No. DR 6
RIG: ADS Rig 6	D.F.S. 6

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL			SAFETY/BOP/DRILLS					
DENSITY(SG)		Bio-0		gpm	uf	hrs	ACCIDENT FREE DAYS 294				
VISCOSITY(Secs)		Gel- 0	DESILTER				LAST BOP DRILL				
pH		KCL-0	DESANDER				LAST FIRE DRILL				
PV/YP		XAN-0	CENTRIFUGE 1				LAST H2S DRILL				
GELS 10/10			CENTRIFUGE 2				LAST BOP TEST				
WL API (cc/30min)							BOP TEST DUE 26/4				
WL HTHP(cc/30min)			SHAKERS	-			FORMATION DATA				
CAKE(mm)			SCREENS				DEPTH				
SOLIDS %			PUMPS	1	2	3	TRIP GAS (%)				
SAND %			TYPE	SB 700	NP 600		CONN. GAS (%)				
CHLORIDES(mg/l)			STROKE(in)	16	8		B'GRD GAS (%)				
KCL %			LINER(in)	6.5 x 2.75	5.5		PORE PRESS (ppg)				
MBT			SPM	48	0		ECD (ppg)				
TEMP °C			GPM	384			LITHOLOGY				
HOLE VOL(bbl)	135		AV-DP(m/min)				TIME ANALYSIS				
SURF VOL(bbl)	442		AV-DC(m/min)					HRS	CUM.		
LOSSES(bbl/hr)			SPP(psi)				1. MOVE RIG				
MUD Co	RMR		SCR - spm	-	-		2. RIG UP				
MUD TYPE	KCL/PHPA		SCR - spm	-	-		3. DRILLING				
BIT DATA			BHA DETAILS		BHA No.						
BIT No.	1	2	TOOL		OD (in)	Length (m)					
SIZE (in)	12 1/4	8.5			Bit	8 1/2	0.30				
TYPE	JST 11X	FSX5652			Motor	7.94	0.83				
IADC CODE	26/04/1900	S323			S Stab	1.54	9.38				
SERIAL No.	L2337	11058760				0.00	0.00				
NOZZLES(mm)	3/16 1/14	3X13-2X14			NMDC	8	9.49				
DEPTH IN (m)	7	564			S Stab	8 X 6	1.54				
DEPTH OUT (m)	561				12 X 61/4 DC	6 1/4	107.72				
DRILLED (m. cum)	278				BICO JARS	61/2	9.59				
HOURS (cum.)	36				3 X 61/4 DC	61/4	26.75				
GRADE	1-1-SS-A-E-1-NO-TD				4 x 4.5 HWDP	6 1/4	36.13				
AVGE ROP (m/hr)	15.3										
WOB (mt)	10/20										
RPM	100/120										
JET VEL (m/sec)					BHA LENGTH (m)		201.73				
HHP @ BIT					BHA WEIGHT (Klbf)		43060				
					STRING WEIGHT (Klbf)		75k				
SURVEYS:	DEPTH	DEVIATION	AZIMUTH	TVD	COMMENTS						
1	33	1/4			TOTCO						
2	185	3/4			TOTCO						
3	331	1			TOTCO						
4	486	1			TOTCO						
DRILLING TOOLS											
	SERIAL No.	CUM. HOURS	DRILLING DATA				TOTAL (HRS)				
							24.0 212.0				
							212.0				
	BICO JARS	DJ010 36.0	DRAG - UP (Klbf)								
			DRAG - DOWN (Klbf)								
			TORQUE-On Bottom (Kft.lb)				N/R				
			TORQUE-Off Bottom (Kft.lb)				N/R				
WEATHER			WEATHER STATE		RAINFALL (mm)	TEMP.(°C)	VISIBILITY (km)		WIND SPEED(kts)	OTHER	
			clear			18-24	good		0-5		
BULK STOCK			GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER		POT WATER		DIESEL FUEL	
										20,000	
PERSONNEL ON RIG			TRANSPORTATION			COMMENTS/REQUIREMENTS					
			TRUCKS		LOAD	HOURS					
OPERATOR			2								
DRILLING CONTRACTOR			18								
SERVICE COMPANYS											
Mud Logging Crew			2								
Mud Engineer			1								
Cementers			4								
Electric Logging Crew											
DST Crew											
OTHERS											
TOTAL			27								
SUPERVISOR			D Hair		ENGINEER		GR		RIG MANAGER		D.Pollard