



DAILY DRILLING REPORT

ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

WELL: AYRFORD-1	DATE: 15/04/08
PERMIT: PEP 168	REPORT No.: DR 9
RIG: ADS Rig 6	D.F.S.: 9

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL			SAFETY/BOP/DRILLS			
DENSITY(SG)	9.1	Bio-0		gpm	uf	hrs	ACCIDENT FREE DAYS	295	
VISCOSITY(Secs)	39	Gel- 0	DESILTER			nil	LAST BOP DRILL	14/4	
pH	8.5	KCL-57	DESANDER			nil	LAST FIRE DRILL		
PV/YP	13/16	XAN-0	CENTRIFUGE 1			nil	LAST H2S DRILL		
GELS 10/10	2/3	PHPA-4	CENTRIFUGE 2			nil	LAST BOP TEST		
WL API (cc/30min)	7.4	SO/SU- 2					BOP TEST DUE	26/4	
WL HTHP(cc/30min)		PAC-R-12	SHAKERS	1	2		FORMATION DATA		
CAKE(mm)	1	CACO3-144	SCREENS	2X84-2X105	2X84-2X106		DEPTH		
SOLIDS %	4.7		PUMPS	1	2	3	TRIP GAS (%)		
SAND %	.25		TYPE	SB 700	NP 600		CONN. GAS (%)		
CHLORIDES(mg/l)	13500		STROKE(in)	16	8		B'GRD GAS (%)		
KCL %	2.5		LINER(in)	6.5 x 2.75	5.5		PORE PRESS (ppg)		
MBT	10		SPM	48	0		ECD (ppg)		
TEMP °C	36		GPM	384			LITHOLOGY		
HOLE VOL(bbl)	265		SPP(psi)	837			TIME ANALYSIS		
SURF VOL(bbl)	450		AV-DP(m/min)	199				HRS CUM.	
LOSSES(bbl/hr)			AV-DC(m/min)	312			1. MOVE RIG		
MUD Co	RMR		SCR - spm	20/200	-		2. RIG UP	82.0	
MUD TYPE	KCL/PHPA		SCR - spm	25/280	-		3. DRILLING	18.0 96.0	
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			MDC	8	9.49		
NOZZLES(mm)	3/16 1/4	3X13-2X14			S Stab	8 X 6	1.54		
DEPTH IN (m)	7	561			12 X 61/4 DC	6 1/4	107.72		
DEPTH OUT (m)	561	~			BICO JARS	61/2	9.59		
DRILLED (m. cum)	554	822			3 X 61/4 DC	61/4	26.75		
HOURS (cum.)	36	57.5			4 x 4.5 HWDP	6 1/4	36.13		
GRADE	1-1-SS-A-E-1-NO-TD	IN							
AVGE ROP (m/hr)	15.3	14.3							
WOB (mt)	10/20	4-7							
RPM	100/120	140							
JET VEL (m/sec)		214			BHA LENGTH (m)		201.73		
HHP @ BIT		92			BHA WEIGHT (Klbf)		48280		
					STRING WEIGHT (Klbf)		105		
SURVEYS:	DEPTH	DEVIATION	AZIMUTH	TVD	COMMENTS				
7	900	1	159 MAG		SS				
8	1050	1	195 MAG		SS				
9	1,200	0	295 MAG		SS				
4	486	1			TOTCO				
5	599	1	52 MAG		SS				
6	755	1	62 MAG		SS				
DRILLING TOOLS	SERIAL No.	CUM. HOURS	DRILLING DATA			TOTAL (HRS)	24.0	284.0	
61/2 MONEL	700891	78.5	DRAG - UP (Klbf)		2		284.0		
BICO JARS	DJ010	93.5	DRAG - DOWN (Klbf)		2				
81/2 STAB	T2265	78.5	TORQUE-On Bottom (Kft.lb)			N/R			
81/2 STAB	T2264	78.5	TORQUE-Off Bottom (Kft.lb)			N/R			
61/2 MOTOR	F57	78.5							
WEATHER	WEATHER STATE		RAINFALL (mm)	TEMP.(°C)	VISIBILITY (km)	WIND SPEED(kts)	OTHER		
	SHOWERS			15-25	good	0-5	COOL		
BULK STOCK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER		POT WATER	DIESEL FUEL		
				BORE			14,400		
PERSONNEL ON RIG			TRANSPORTATION			COMMENTS/REQUIREMENTS			
OPERATOR	3		TRUCKS	LOAD	HOURS				
DRILLING CONTRACTOR	18		1	1	CACO3				
SERVICE COMPANYS									
Mud Logging Crew	3								
Mud Engineer	1								
Cementers	0								
Electric Logging Crew									
DST Crew									
OTHERS									
TOTAL	25								
SUPERVISOR	D Hair		ENGINEER	GR	RIG MANAGER	S.Kinnealy			