



DAILY DRILLING REPORT

ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

WELL: AYRFORD-1	DATE: 16/04/08
PERMIT: PEP 168	REPORT No.: DR 10
RIG: ADS Rig 6	D.F.S.: 10

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL			SAFETY/BOP/DRILLS			
DENSITY(SG)	9.2	Bio-1		gpm	uf	hrs	ACCIDENT FREE DAYS	299	
VISCOSITY(Secs)	41	Gel- 0	DESILTER			nil	LAST BOP DRILL	15/4	
pH	8.5	KCL-30	DESANDER			nil	LAST FIRE DRILL		
PV/YP	12/10	XAN-6	CENTRIFUGE 1			nil	LAST H2S DRILL		
GELS 10/10	1/2	PHPA-3	CENTRIFUGE 2			nil	LAST BOP TEST		
WL API (cc/30min)	6.5	SO/SU- 2					BOP TEST DUE	26/4	
WL HTHP(cc/30min)		PAC-R-0	SHAKERS	1	2		FORMATION DATA		
CAKE(mm)	1	CACO3-352	SCREENS	2X84-2X105	2X84-2X106		DEPTH		
SOLIDS %	4.9		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		LINER(in)	6.5 x 2.75	5.5		PORE PRESS (ppg)		
MBT	7.5		SPM	48	0		ECD (ppg)		
TEMP °C	41		GPM	384			LITHOLOGY		
HOLE VOL(bbl)	309		SPP(psi)	837			TIME ANALYSIS		
SURF VOL(bbl)	440		AV-DP(m/min)	199				HRS	CUM.
LOSSES(bbl/hr)			AV-DC(m/min)	312			1. MOVE RIG		
MUD Co	RMR		SCR - spm	20/203	-		2. RIG UP		82.0
MUD TYPE	KCL/PHPA		SCR - spm	25/296	-		3. DRILLING	23.0	119.0
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	1061	3 X 61/4 DC		61/4	26.75			
HOURS (cum.)	36	80.5	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	13.0							
WOB (mt)	10/20	2-7							
RPM	100/120	140							
JET VEL (m/sec)		214	BHA LENGTH (m)			201.73			
HHP @ BIT		93	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				
10	1,460	0	136 MAG		SS				
5	599	1	52 MAG		SS				
6	755	1	62 MAG		SS				
DRILLING TOOLS	SERIAL No.	CUM. HOURS	DRILLING DATA			TOTAL (HRS)	24.0	308.0	
61/2 MONEL	700891	101.5	DRAG - UP (Klbf)		2			308.0	
BICO JARS	DJ010	116.5	DRAG - DOWN (Klbf)		2				
81/2 STAB	T2265	101.5	TORQUE-On Bottom (Kft.lb)			N/R			
81/2 STAB	T2264	101.5	TORQUE-Off Bottom (Kft.lb)			N/R			
61/2 MOTOR	F57	101.5							
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			12,000		
PERSONNEL ON RIG			TRANSPORTATION			COMMENTS/REQUIREMENTS			
OPERATOR	3		TRUCKS	LOAD	HOURS				
DRILLING CONTRACTOR	18								
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			

