



DAILY DRILLING REPORT

ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

WELL: AYRFORD-1	DATE: 13/04/08
PERMIT: PEP 168	REPORT No.: DR7
RIG: ADS Rig 6	D.F.S.: 7

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL			SAFETY/BOP/DRILLS				
DENSITY(SG)	8.7	Bio-0		gpm	uf	hrs	ACCIDENT FREE DAYS	295		
VISCOSITY(Secs)	33	Gel- 0	DESILTER			nil	LAST BOP DRILL			
pH	9	KCL-125	DESANDER			nil	LAST FIRE DRILL			
PV/YP	5/8	XAN-10	CENTRIFUGE 1			nil	LAST H2S DRILL			
GELS 10/10	1/3	PHPA-16	CENTRIFUGE 2			nil	LAST BOP TEST			
WL API (cc/30min)	16	SO/SU-2					BOP TEST DUE	26/4		
WL HTHP(cc/30min)			SHAKERS	1	2		FORMATION DATA			
CAKE(mm)	1		SCREENS	2X84-2X105	2X84-2X106		DEPTH			
SOLIDS %	1.9		PUMPS	1	2	3	TRIP GAS (%)			
SAND %	.25		TYPE	SB 700	NP 600		CONN. GAS (%)			
CHLORIDES(mg/l)	17000		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	27		GPM	384			LITHOLOGY			
HOLE VOL(bbl)	135		SPP(psi)	617			TIME ANALYSIS			
SURF VOL(bbl)	442		AV-DP(m/min)	221				HRS	CUM.	
LOSSES(bbl/hr)			AV-DC(m/min)	346			1. MOVE RIG			
MUD Co	RMR		SCR - spm	25/220	-		2. RIG UP		82.0	
MUD TYPE	KCL/PHPA		SCR - spm	30/270	-		3. DRILLING	21.0	59.5	
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 1/14	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)	278	312			3 X 61/4 DC	61/4	26.75			
HOURS (cum.)	36	21.0			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	14.8								
WOB (mt)	10/20	2-5								
RPM	100/120	140								
JET VEL (m/sec)		237			BHA LENGTH (m)		201.73			
HHP @ BIT		120			BHA WEIGHT (Klbf)		43060			
					STRING WEIGHT (Klbf)		93K			
SURVEYS:	DEPTH	DEVIATION	AZIMUTH	TVD	COMMENTS					
1	33	1/4			TOTCO					
2	185	3/4			TOTCO					
3	331	1			TOTCO					
4	486	1			TOTCO					
5	599	1	52		MAG					
6	755	1	62		MAG					
					TOTAL (HRS)		24.0			236.0
DRILLING TOOLS	SERIAL No.	CUM. HOURS	DRILLING DATA							
61/2 MONEL	700891	21	DRAG - UP (Klbf)		2					
BICO JARS	DJ010	57.0	DRAG - DOWN (Klbf)		2					
81/2 STAB	T2265	21	TORQUE-On Bottom (Kft.lb)		N/R					
81/2 STAB	T2264	21	TORQUE-Off Bottom (Kft.lb)		N/R					
61/2 MOTOR	F57	21								
WEATHER	WEATHER STATE		RAINFALL (mm)	TEMP.(°C)	VISIBILITY (km)		WIND SPEED(kts)	OTHER		
	SHOWERS			15-20	good		0-5	COOL		
BULK STOCK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER		POT WATER		DIESEL FUEL		
				BORE				1,800		
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				