



DAILY DRILLING REPORT

ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

WELL: AYRFORD-1
 PERMIT: PEP 168
 RIG: ADS Rig 6

DATE: 10/04/08
 REPORT No. DR 4
 D.F.S. 4

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL			SAFETY/BOP/DRILLS	
DENSITY(SG)	9.4	Bio-0		gpm	uf	hrs	ACCIDENT FREE DAYS 293
VISCOSITY(Secs)	50	Gel- 0	DESILTER				LAST BOP DRILL
pH	8	KCL-0	DESANDER				LAST FIRE DRILL
PV/YP	12/46	XAN-0	CENTRIFUGE 1				LAST H2S DRILL
GELS 10/10	4/10		CENTRIFUGE 2				LAST BOP TEST
WL API (cc/30min)							BOP TEST DUE
WL HTHP(cc/30min)			SHAKERS	-			FORMATION DATA
CAKE(mm)	1		SCREENS				
SOLIDS %	7		PUMPS	1	2	3	TRIP GAS (%)
SAND %	.25		TYPE	SB 700	NP 600		CONN. GAS (%)
CHLORIDES(mg/l)	14000		STROKE(in)	16	8		B'GRD GAS (%)
KCL %	.7		LINER(in)	6.5 x 2.75	5.5		PORE PRESS (ppg)
MBT	25		SPM	49	0		ECD (ppg)
TEMP °C	30		GPM	392			LITHOLOGY
HOLE VOL(bbl)	135		AV-DP(m/min)	85.0			TIME ANALYSIS
SURF VOL(bbl)	470		AV-DC(m/min)	102.0			
LOSSES(bbl/hr)			SPP(psi)	500			1. MOVE RIG
MUD Co	RMR		SCR - spm	-	-		2. RIG UP
MUD TYPE	Spud		SCR - spm	-	-		3. DRILLING
BIT DATA			BHA DETAILS		BHA No.		4. TRIP
BIT No.	1		TOOL		OD (in)	Length (m)	5. WIPER TRIP
SIZE (in)	12 1/4		Bit	12 1/4	0.30		6. SURVEY
TYPE	JST 11X		BS	8	0.83		7. CIRC./COND
IADC CODE	117		8" DC	8	9.38		8. HANDLE BHA
SERIAL No.	L2337		STAB	12 25	1.36		9. CASE/CEMENT
NOZZLES(mm)	3/16 1/14		8" DC	8	9.25		10. WELLHEAD
DEPTH IN (m)	7		XO	8 X 6	0.71		11. BOPS/DIV
DEPTH OUT (m)	561		12 X 61/4 DC	6 1/4	107.72		12. LOT
DRILLED (m. cum)	278		BICO JARS	61/2	9.59		13. CORING
HOURS (cum.)	36		3 X 61/4 DC	61/4	26.75		14. LOGGING
GRADE	1-1-SS-A-E-1-NO-TD						15. REAM/WASH
AVGE ROP (m/hr)	15.3						16. FISH/STUCK
WOB (mt)	10/20						17. LOSS CIRC
RPM	100/120						18. KICK CONTROL
JET VEL (m/sec)			BHA LENGTH (m)		165.89		19. SIDETRACK
HHP @ BIT			BHA WEIGHT (Klbf)		43060		20. RIG REPAIR
			STRING WEIGHT (Klbf)		75k		21. WELL TEST
SURVEYS:	DEPTH	DEVIATION	AZIMUTH	TVD	COMMENTS		22. WO WEATHER
1	33	1/4			TOTCO		23. WAIT - OTHER
2	185	3/4			TOTCO		24. ABD./SUSPEND
3	331	1			TOTCO		25. RIG SERVICE
4	486	1			TOTCO		26. SLIP/CUT LINE
							27. OTHER
							COMPLETION
DRILLING TOOLS	SERIAL No.	CUM. HOURS	DRILLING DATA			TOTAL (HRS)	24.0 164.0
12 1/4 STAB	T 2276	36	DRAG - UP (Klbf)				164.0
BICO JARS	DJ010	36.0	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
							21,600
PERSONNEL ON RIG			TRANSPORTATION			COMMENTS/REQUIREMENTS	
OPERATOR	2		TRUCKS	LOAD	HOURS		
DRILLING CONTRACTOR	18		1			HWDP	
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	