



DAILY DRILLING REPORT

ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

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

DATE: 19/04/08
REPORT No. DR 13
D.F.S. 13

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL			SAFETY/BOP/DRILLS			
DENSITY(SG)				gpm	uf	hrs	ACCIDENT FREE DAYS	302	
VISCOSITY(Secs)			DESILTER			nil	LAST BOP DRILL	16/4	
pH			DESANDER			nil	LAST FIRE DRILL		
PV/YP			CENTRIFUGE 1			nil	LAST H2S DRILL		
GELS 10/10			CENTRIFUGE 2			nil	LAST BOP TEST		
WL API (cc/30min)							BOP TEST DUE	26/4	
WL HTHP(cc/30min)			SHAKERS	1	2		FORMATION DATA		
CAKE(mm)			SCREENS	2X84-2X105	2X84-2X106		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		0		ECD (ppg)		
TEMP °C			GPM				LITHOLOGY		
HOLE VOL(bbl)			SPP(psi)				TIME ANALYSIS		
SURF VOL(bbl)			AV-DP(m/min)					HRS	CUM.
LOSSES(bbl/hr)			AV-DC(m/min)				1. MOVE RIG		
MUD Co			SCR - spm		-		2. RIG UP		82.0
MUD TYPE			SCR - spm		-		3. DRILLING		119.0
BIT DATA			BHA DETAILS		BHA No.		4. TRIP	12.0	24.5
BIT No.			TOOL		OD (in)	Length (m)	5. WIPER TRIP		20.0
SIZE (in)							6. SURVEY		5.5
TYPE							7. CIRC./COND		10.0
IADC CODE							8. HANDLE BHA	2.0	11.5
SERIAL No.							9. CASE/CEMENT		17.5
NOZZLES(mm)							10. WELLHEAD		3.5
DEPTH IN (m)							11. BOPS/DIV		19.5
DEPTH OUT (m)							12. LOT		1.0
DRILLED (m. cum)							13. CORING		
HOURS (cum.)							14. LOGGING		25.5
GRADE							15. REAM/WASH		7.5
AVGE ROP (m/hr)							16. FISH/STUCK		
WOB (mt)							17. LOSS CIRC		
RPM							18. KICK CONTROL		
JET VEL (m/sec)			BHA LENGTH (m)			0.00	19. SIDETRACK		
HHP @ BIT			BHA WEIGHT (Klbf)			48280	20. RIG REPAIR		1.0
			STRING WEIGHT (Klbf)			105	21. WELL TEST		
SURVEYS:	DEPTH	DEVIATION	AZIMUTH	TVD	COMMENTS		22. WO WEATHER		
							23. WAIT - CMT		17.5
							24. ABD./SUSPEND	9.5	9.5
							25. RIG SERVICE		3.0
							26. SLIP/CUT LINE		
							27. OTHER	0.5	2.0
							COMPLETION		
DRILLING TOOLS	SERIAL No.	CUM. HOURS	DRILLING DATA			TOTAL (HRS)	24.0	380.0	
			DRAG - UP (Klbf)					380.0	
			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	
	SHOWERS			15-25	good		0-5	COOL	
BULK STOCK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER		POT WATER	DIESEL FUEL		
				BORE			7,000		
PERSONNEL ON RIG			TRANSPORTATION			COMMENTS/REQUIREMENTS			
OPERATOR	2		TRUCKS	LOAD	HOURS				
DRILLING CONTRACTOR	20								
SERVICE COMPANYS									
Mud Logging Crew	3								
Mud Engineer	1								
Cementers	2								
Electric Logging Crew	0								
DST Crew									
OTHERS									
TOTAL	28								
SUPERVISOR	D Hair		ENGINEER	GR	RIG MANAGER	S.Kinnealy			