



# DAILY DRILLING REPORT

## ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

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

**DATE:** 20/04/08  
**REPORT No.** DR 14  
**D.F.S.** 14

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		<b>FORMATION DATA</b>
CAKE(mm)			SCREENS	2X84-2X105	2X84-2X106		
SOLIDS %			<b>PUMPS</b>	<b>1</b>	<b>2</b>	<b>3</b>	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)				<b>TIME ANALYSIS</b>
SURF VOL(bbl)			AV-DP(m/min)				
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
<b>BIT DATA</b>			<b>BHA DETAILS</b>		<b>BHA No.</b>		4. TRIP 2.0 26.5
BIT No.			<b>TOOL</b>		<b>OD (in)</b>	<b>Length (m)</b>	5. WIPER TRIP 20.0
SIZE (in)							6. SURVEY 5.5
TYPE							7. CIRC./COND 10.0
IADC CODE							8. HANDLE BHA 11.5
SERIAL No.							9. CASE/CEMENT 17.5
NOZZLES(mm)							10. WELLHEAD 3.5
DEPTH IN (m)							11. BOPS/DIV 6.0 25.5
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)			<b>BHA LENGTH (m)</b>			0.00	19. SIDETRACK
HHP @ BIT			<b>BHA WEIGHT (Klbf)</b>			48280	20. RIG REPAIR 1.0
			<b>STRING WEIGHT (Klbf)</b>			105	21. WELL TEST
<b>SURVEYS:</b>	<b>DEPTH</b>	<b>DEVIATION</b>	<b>AZIMUTH</b>	<b>TVD</b>	<b>COMMENTS</b>		22. WO WEATHER
							23. WAIT - CMT 17.5
							24. ABD./SUSPEND 2.0 11.5
							25. RIG SERVICE 3.0
							26. SLIP/CUT LINE
							27. OTHER 2.0
							COMPLETION
<b>DRILLING TOOLS</b>	<b>SERIAL No.</b>	<b>CUM. HOURS</b>	<b>DRILLING DATA</b>			<b>TOTAL (HRS)</b>	10.0 390.0
			DRAG - UP (Klbf)				390.0
			DRAG - DOWN (Klbf)				
			TORQUE-On Bottom (Kft.lb)			N/R	
			TORQUE-Off Bottom (Kft.lb)			N/R	
<b>WEATHER</b>	<b>WEATHER STATE</b>		<b>RAINFALL (mm)</b>	<b>TEMP.(°C)</b>	<b>VISIBILITY (km)</b>	<b>WIND SPEED(kts)</b>	<b>OTHER</b>
	SHOWERS			15-25	good	0-5	COOL
<b>BULK STOCK</b>	<b>GEL(sx)</b>	<b>BARITE(sx)</b>	<b>CEMENT(sx)</b>	<b>DRILLWATER</b>		<b>POT WATER</b>	<b>DIESEL FUEL</b>
				BORE			7,000
<b>PERSONNEL ON RIG</b>			<b>TRANSPORTATION</b>			<b>COMMENTS/REQUIREMENTS</b>	
<b>OPERATOR</b>	2		<b>TRUCKS</b>	<b>LOAD</b>	<b>HOURS</b>		
<b>DRILLING CONTRACTOR</b>	20						
<b>SERVICE COMPANYS</b>							
Mud Logging Crew	3						
Mud Engineer	1						
Cementers	2						
Electric Logging Crew	0						
DST Crew							
<b>OTHERS</b>							
<b>TOTAL</b>	28						
<b>SUPERVISOR</b>	D Hair		<b>ENGINEER</b>	GR	<b>RIG MANAGER</b>	S.Kinnealy	