



DAILY DRILLING REPORT

ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

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

DATE: 8/04/08
 REPORT No. DDR 2
 D.F.S. 2

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL			SAFETY/BOP/DRILLS				
DENSITY(SG)	9.3	Bio-1		gpm	uf	hrs	ACCIDENT FREE DAYS	291		
VISCOSITY(Secs)	38	Gel-40	DESILTER				LAST BOP DRILL			
pH	9.5	KCL-94	DESANDER				LAST FIRE DRILL			
PV/YP	5/43		CENTRIFUGE 1				LAST H2S DRILL			
GELS 10/10	3/10		CENTRIFUGE 2				LAST BOP TEST			
WL API (cc/30min)							BOP TEST DUE			
WL HTHP(cc/30min)			SHAKERS	-			FORMATION DATA			
CAKE(mm)	1		SCREENS				DEPTH			
SOLIDS %	6.3		PUMPS	1	2	3	TRIP GAS (%)			
SAND %	.25		TYPE	SB 700	NP 600		CONN. GAS (%)			
CHLORIDES(mg/l)	15000		STROKE(in)	16	8		B'GRD GAS (%)			
KCL %	2		LINER(in)	6.5 x 2.75	5.5		PORE PRESS (ppg)			
MBT			SPM	48	0		ECD (ppg)			
TEMP °C	30		GPM	384			LITHOLOGY			
HOLE VOL(bbl)	94		AV-DP(m/min)	79.0			TIME ANALYSIS			
SURF VOL(bbl)	250		AV-DC(m/min)	102.0				HRS	CUM.	
LOSSES(bbl/hr)			SPP(psi)	500			1. MOVE RIG			
MUD Co	RMR		SCR - spm	-	-		2. RIG UP		82.0	
MUD TYPE		Spud	SCR - spm	-	-		3. DRILLING	19.5	22.0	
BIT DATA			BHA DETAILS		BHA No.					
BIT No.	1		TOOL		OD (in)	Length (m)				
SIZE (in)	12 1/4			Bit	12 1/4	0.30	4. TRIP			
TYPE	JST 11X			BS	8	0.83	5. WIPER TRIP			
IADC CODE	117			8" DC	8	9.38	6. SURVEY		0.5	0.5
SERIAL No.	L2337			STAB	12 25	1.36	7. CIRC./COND			
NOZZLES(mm)	3/16 1/14			8" DC	8	9.25	8. HANDLE BHA			
DEPTH IN (m)	7			XO	8 X 6	0.71	9. CASE/CEMENT			
DEPTH OUT (m)				12 X 61/4 DC	6 1/4	107.72	10. WELLHEAD			
DRILLED (m. cum)	278			BICO JARS	61/2	9.59	11. BOPS/DIV			
HOURS (cum.)	19.5			3 X 61/4 DC	61/4	26.75	12. LOT			
GRADE							13. CORING			
AVGE ROP (m/hr)	14.0						14. LOGGING			
WOB (mt)	10/15						15. REAM/WASH		0.5	0.5
RPM	120						16. FISH/STUCK			
JET VEL (m/sec)			BHA LENGTH (m)			165.89	17. LOSS CIRC			
HHP @ BIT			BHA WEIGHT (Klbf)			43060	18. KICK CONTROL			
			STRING WEIGHT (Klbf)			56K	19. SIDETRACK			
SURVEYS:	DEPTH	DEVIATION	AZIMUTH	TVD	COMMENTS					
1	33	1/4			TOTCO		20. RIG REPAIR			
2	185	3/4			TOTCO		21. WELL TEST			
							22. WO WEATHER			
							23. WAIT - OTHER		3.0	9.0
							24. ABD./SUSPEND			
							25. RIG SERVICE		0.5	0.5
							26. SLIP/CUT LINE			
							27. OTHER			1.5
							COMPLETION			
DRILLING TOOLS	SERIAL No.	CUM. HOURS	DRILLING DATA			TOTAL (HRS)	24.0	116.0		
12 1/4 STAB	T 2276	19.5	DRAG - UP (Klbf)		2			116.0		
BICO JARS	DJ010	19.5	DRAG - DOWN (Klbf)		1					
			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			
PERSONNEL ON RIG			TRANSPORTATION			COMMENTS/REQUIREMENTS				
OPERATOR	2		TRUCKS	LOAD	HOURS					
DRILLING CONTRACTOR	18									
SERVICE COMPANYS										
Mud Logging Crew	2									
Mud Engineer	1									
Cementers	2									
Electric Logging Crew										
DST Crew										
OTHERS										
TOTAL	25									
SUPERVISOR	D Hair		ENGINEER	GR	RIG MANAGER	D.Pollard				