



DAILY DRILLING REPORT

ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

WELL: **DATE:**
PERMIT: **REPORT No:**
RIG: **D.F.S.:**

DEPTH 2400 Hrs: **OPERATIONS at 0600 Hrs:**
TVD: **FORMATION:**
24 HR PROG.: **LAST CASING:** **AT** **SHOE L.O.T.:**
HOLE SIZE: **ELEV:** **RT - GL:** **MAASP:**

FROM	TO	HOURS	OPERATIONS
0000	0300	3.0	Rig up cementing lines - hold pre-job safety meeting - Cement as per programme
0300	1130	8.5	Woc - prepare and test Bop on test stump
1130	1400	2.5	Slack off casing- remove conductor
1400	1500	1.0	Install braden Head
1500	1600	1.0	Cement top job with 24 sax A cement
1600	2400	8.0	N/u Bop's
			HS&E No Incidents
		24.0	

OPERATIONS TO 0600 HRS: Complete N/u Bop - 0300
 Rig up and test Bop on wellhead - 0600

PROGRAMME NEXT 24 HRS: Rih - drill float/shoe - 3m formation - Leak-off test - drill ahead

WELL COSTS (A\$)	DAILY COST:	\$83,629.00	CUMULATIVE:	\$807,159.00
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DAILY DRILLING REPORT

ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

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

DATE: 11/04/08
REPORT No. DR 5
D.F.S. 5

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL			SAFETY/BOP/DRILLS		
DENSITY(SG)	9.4	Bio-0		gpm	uf	hrs	ACCIDENT FREE DAYS	294
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				DEPTH	
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		0		ECD (ppg)	
TEMP °C	30		GPM				LITHOLOGY	
HOLE VOL(bbl)	135		AV-DP(m/min)				TIME ANALYSIS	
SURF VOL(bbl)	470		AV-DC(m/min)					HRS CUM.
LOSSES(bbl/hr)			SPP(psi)				1. MOVE RIG	
MUD Co	RMR		SCR - spm	-	-		2. RIG UP	82.0
MUD TYPE	Spud		SCR - spm	-	-		3. DRILLING	38.5
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		
TYPE	JST 11X		BS		8	0.83		
IADC CODE	117		8" DC		8	9.38		
SERIAL No.	L2337		STAB		12 25	1.36		
NOZZLES(mm)	3/16 1/14		8" DC		8	9.25		
DEPTH IN (m)	7		XO		8 X 6	0.71		
DEPTH OUT (m)	561		12 X 61/4 DC		6 1/4	107.72		
DRILLED (m. cum)	278		BICO JARS		61/2	9.59		
HOURS (cum.)	36		3 X 61/4 DC		61/4	26.75		
GRADE	1-1-SS-A-E-1-NO-TD							
AVGE ROP (m/hr)	15.3							
WOB (mt)	10/20							
RPM	100/120							
JET VEL (m/sec)			BHA LENGTH (m)			165.89		
HHP @ BIT			BHA WEIGHT (Klbf)			43060		
			STRING WEIGHT (Klbf)			75k		
SURVEYS:	DEPTH	DEVIATION	AZIMUTH	TVD	COMMENTS			
1	33	1/4			TOTCO			
2	185	3/4			TOTCO			
3	331	1			TOTCO			
4	486	1			TOTCO			
					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							
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		