



DAILY DRILLING REPORT

ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

WELL:
PERMIT:
RIG:

DATE:
REPORT No:
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
0-0	0030	0.5	Drill 8 1/2" Hole 1908m to 1916m
0030	0130	1.0	Circ Hole clean
0130	0600	4.5	Poh Wiper to old hole 1343m - work tight hole 1450 - 1300m
0600	0900	3.0	Pull back to shoe for Rig Repairs
0900	1330	4.5	Repair Lo Drum clutch / pump suction / pump master valve
1330	1530	2.0	Rih to Wiper depth 1343m
1530	2100	5.5	Rih - work tight spots with kelly 1380 - 1500m - jars not working
2100	2200	1.0	Wash / ream 50m to bottom
2200	2400	2.0	Drill 8 1/2" Hole 1916m to 1944m
			HS&E No Incidents
		24.0	

OPERATIONS TO 0600 HRS:

PROGRAMME NEXT 24 HRS:

WELL COSTS (A\$)	DAILY COST:	\$55,332.00	CUMULATIVE:	\$1,305,944
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DAILY DRILLING REPORT

ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

WELL: EASTWING 1	DATE: 7/05/08
PERMIT: PEP 168	REPORT No.: DR 12
RIG: ADS Rig 6	D.F.S.: 12

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL			SAFETY/BOP/DRILLS			
DENSITY(SG)	9.4	Bio-0		gpm	uf	hrs	ACCIDENT FREE DAYS	317	
VISCOSITY(Secs)	45	Gel-0	DESILTER				LAST BOP DRILL	7/5/08	
pH	8.5	Kcl-67	DESANDER				LAST FIRE DRILL		
PV/YP	18/22	CaCo3-0	CENTRIFUGE 1				LAST H2S DRILL		
GELS 10/10	3/5	Phpa-5	CENTRIFUGE 2				LAST BOP TEST		
WL API (cc/30min)	6.5	Xan-3					BOP TEST DUE	13/5/08	
WL HTHP(cc/30min)	-	So/Su-2	SHAKERS	2			FORMATION DATA		
CAKE(mm)	1	Pac-R-10	SCREENS	2x84-2x105			DEPTH		
SOLIDS %	6.7	Caustic-1	PUMPS	1	2	3	TRIP GAS (%)		
SAND %	.25		TYPE	SB 700	NP 600		CONN. GAS (%)		
CHLORIDES(mg/l)	19000		STROKE(in)	16	8		B'GRD GAS (%)		
KCL %	3		LINER(in)	5.5 x 2.75	5.5		PORE PRESS (ppg)		
MBT	12.5		SPM	40	65		ECD (ppg)	9.4	
TEMP °C	33		GPM	223	131		LITHOLOGY		
HOLE VOL(bbl)	412		SPP ~ psi	1050			TIME ANALYSIS		
SURF VOL(bbl)	300		AV-DP(m/min)	167				HRS	CUM.
LOSSES(bbl/hr)			AV-DC(m/min)	262			1. MOVE RIG		
MUD Co	RMR		SCR - spm	23/440	91/440		2. RIG UP		27.0
MUD TYPE	KCL/PHPA		SCR - spm	27/540	112/540		3. DRILLING	2.5	147.5
BIT DATA			BHA DETAILS		BHA No.				
BIT No.	3	2	TOOL		OD (in)	Length (m)			
SIZE (in)	8.5	8.5	BIT		8 1/2	0.30			
TYPE	2463Z	FSX565Z	N/B STAB		6 1/4 X 8 1/2	1.27			
IADC CODE	S223	S323	PONY DC		6 1/2	3.22			
SERIAL No.	0882805	11058761	81/2 STAB		6.25 X 8.5	1.52			
NOZZLES(mm)	4/12 1/14	5 X 12	MONEL		6.5	9.49			
DEPTH IN (m)	1376	582	81/S STAB		6.25 X 8.5	1.54			
DEPTH OUT (m)	IN	1376	12 X 61/4 DC		6 1/4	108.14			
DRILLED (m. cum)	582	788	BICO JAR		6 1/2	9.59			
HOURS (cum.)	58.5	55.0	3 X 61/4 DC		6 1/4	26.68			
GRADE	IN	3/3/BT/S/X/1/CT/DMF	4 X HWDP		6 1/4 X 4 1/2	36.13			
AVGE ROP (m/hr)	10	14.3	XO		61/4	0.30			
WOB (mt)	4-10	0-5							
RPM	80-120	150							
JET VEL (m/sec)	192	236	BHA LENGTH (m)			198.18			
HHP @ BIT	65	108	BHA WEIGHT (Klbf)			43k			
			STRING WEIGHT (Klbf)			106			
SURVEYS:	DEPTH	DEVIATION	AZIMUTH	TVD	COMMENTS				
13	1,850	1/4	56 mag		SS				
8									
9									
10									
11									
12									
DRILLING TOOLS	SERIAL No.	CUM. HOURS	DRILLING DATA			TOTAL (HRS)	24.0	312.0	
S STAB & NBR	6081/T 2276	116.5/58.5	DRAG - UP (Klbf)		1		312.0		
BICO JARS	DJ010	265.5	DRAG - DOWN (Klbf)		2				
MDC	700891	218	TORQUE-On Bottom (Kft.lb)		n/a				
Pony DC	F 57	58.5	TORQUE-Off Bottom (Kft.lb)		n/a				
S STAB	2265	218							
WEATHER	WEATHER STATE		RAINFALL (mm)	TEMP.(°C)	VISIBILITY (km)	WIND SPEED(kts)	OTHER		
	o/cast		Showers	8-19	good	0-5	cool		
BULK STOCK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER		POT WATER	DIESEL FUEL		
	84	500					12,800		
PERSONNEL ON RIG			TRANSPORTATION			COMMENTS/REQUIREMENTS			
OPERATOR	3		TRUCKS	LOAD	HOURS	Fuel has been ordered - require before weekend			
DRILLING CONTRACTOR	20								
SERVICE COMPANYS									
Mud Logging Crew	3								
Mud Engineer	1								
Cementers	0								
Electric Logging Crew									
DST Crew									
OTHERS									
TOTAL	27								
SUPERVISOR	D Hair		ENGINEER	GR	RIG MANAGER	D.Pollard			