



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	0530	5.5	Work stuck pipe while lowering mud wt to 9.2
0530	0830	3.0	Spot water +10% KCl pill and hold string in tension
0830	1030	2.0	Circulate and work pipe
1030	1500	4.5	Spot Rod-Free pill around drill collars - hold at string wt
1500	2200	7.0	Slump & torque pipe - jar up - alternatley soak and wait while equipment cools
2200	2400	2.0	Repair slipping clutch
		24.0	

OPERATIONS TO 0600 HRS: Repair slipping clutch - 0030
 Displace 30 bbl fresh water around collars and hold 50 k overpull
 Slump & torque pipe - jar up - alternatley soak and wait while equipment cools

PROGRAMME NEXT 24 HRS: Attempt to free string

WELL COSTS (A\$)	DAILY COST:	\$56,570.00	CUMULATIVE:	\$1,471,413
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DAILY DRILLING REPORT

ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

WELL: EASTWING 1
PERMIT: PEP 168
RIG: ADS Rig 6

DATE: 11/05/08
REPORT No. DR 15
D.F.S. 15

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL			SAFETY/BOP/DRILLS			
DENSITY(SG)	9.1	Bio-0		gpm	uf	hrs	ACCIDENT FREE DAYS	319	
VISCOSITY(Secs)	39	GeI-0	DESILTER				LAST BOP DRILL	8/5/08	
pH	8.5	Kcl-42	DESANDER				LAST FIRE DRILL		
PV/YP	15/15	CaCo3-0	CENTRIFUGE 1				LAST H2S DRILL		
GELS 10/10	1/2	Phpa-0	CENTRIFUGE 2				LAST BOP TEST		
WL API (cc/30min)	6.5	Xan-0					BOP TEST DUE	13/5/08	
WL HTHP(cc/30min)	-	So/Su-0	SHAKERS	2			FORMATION DATA		
CAKE(mm)	1	Pac-R-22	SCREENS	2x84-2x105			DEPTH		
SOLIDS %	5	Caustic-0	PUMPS	1	2	3	TRIP GAS (%)		
SAND %	tr	Rod Free-4	TYPE	SB 700	NP 600		CONN. GAS (%)		
CHLORIDES(mg/l)	12000		STROKE(in)	16	8		B'GRD GAS (%)		
KCL %	1.5		LINER(in)	5.5 x 2.75	5.5		PORE PRESS (ppg)		
MBT	10		SPM	47	65		ECD (ppg)	9.54	
TEMP °C	39		GPM	262	155	418	LITHOLOGY		
HOLE VOL(bbl)	483		SPP ~ psi	1350			TIME ANALYSIS		
SURF VOL(bbl)	430		AV-DP(m/min)	197				HRS	CUM.
LOSSES(bbl/hr)			AV-DC(m/min)	308			1. MOVE RIG		
MUD Co	RMR		SCR - spm	25/230	60/170		2. RIG UP		27.0
MUD TYPE	KCL/PHPA		SCR - spm				3. DRILLING		184.0
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)	887	788	BICO JAR		6 1/2	9.59			
HOURS (cum.)	95	55.0	3 X 61/4 DC		6 1/4	26.68			
GRADE	IN	3/3/BT/SX/1/CT/DMF	4 X HWDP		6 1/4 X 4 1/2	36.13			
AVGE ROP (m/hr)	9.3	14.3	XO		61/4	0.30			
WOB (mt)	4-10	0-5							
RPM	80-120	150							
JET VEL (m/sec)	214	236	BHA LENGTH (m)			198.18			
HHP @ BIT	90	108	BHA WEIGHT (Klbf)			43k			
			STRING WEIGHT (Klbf)			162			
SURVEYS:	DEPTH	DEVIATION	AZIMUTH	TVD	COMMENTS				
	13	1,850	1/4	56 mag	SS				
	14	1995	11/2	350mag	SS				
	15	2,148	2 1/4	109mag	SS				
							COMPLETION		
DRILLING TOOLS	SERIAL No.	CUM. HOURS	DRILLING DATA			TOTAL (HRS)	24.0	384.0	
S STAB & NBR	6081/T 2276	153/95	DRAG - UP (Klbf)		1			384.0	
BICO JARS	DJ010	302.0	DRAG - DOWN (Klbf)		2				
MDC	700891	254.5	TORQUE-On Bottom (Kft.lb)		n/a				
Pony DC	F 57	95	TORQUE-Off Bottom (Kft.lb)		n/a				
S STAB	2265	254.5							
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					12,400		
PERSONNEL ON RIG			TRANSPORTATION			COMMENTS/REQUIREMENTS			
OPERATOR	3		TRUCKS	LOAD	HOURS	Bha - 105 stds - KD 8m			
DRILLING CONTRACTOR	20								
SERVICE COMPANYS									
Mud Logging Crew	3								
Mud Engineer	1								
Cementers	2								
Electric Logging Crew									
DST Crew									
OTHERS									
TOTAL	29								
SUPERVISOR	D Hair		ENGINEER	GR	RIG MANAGER	D.Pollard			