



# 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	Change bit/bha to locked assembly - rih to shoe - lay out washed out motor
0530	0600	0.5	Break circ
0600	0700	1.0	Slip & Cut drilling line
0700	0730	0.5	Rig Service
0730	0930	2.0	Rih to 950m
0930	1000	0.5	Break circ
1000	1100	1.0	Rih to 1370m TD
1100	1930	8.5	Drillm 8 1/2" Hole 1370 to 1417m
1930	2000	0.5	Circ & Survey @ 1399m 1deg Az 37mag
2000	2400	4.0	Drill 8 1/2" Hole 1417m to 1468m
			HS&E No Incidents
		24.0	

**OPERATIONS TO 0600 HRS:**

**PROGRAMME NEXT 24 HRS:**

<b>WELL COSTS (A\$)</b>	<b>DAILY COST:</b>	<b>\$72,243.00</b>	<b>CUMULATIVE:</b>	<b>\$1,148,854.00</b>
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# DAILY DRILLING REPORT

## ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

WELL: EASTWING 1	DATE: 4/05/08
PERMIT: PEP 168	REPORT No. DR 9
RIG: ADS Rig 6	D.F.S. 9

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL			SAFETY/BOP/DRILLS			
DENSITY(SG)	9.1	Bio-0		gpm	uf	hrs	ACCIDENT FREE DAYS	314	
VISCOSITY(Secs)	41	Gel-10	DESILTER				LAST BOP DRILL	4/5/08	
pH	8.5	Kcl-17	DESANDER				LAST FIRE DRILL		
PV/YP	11/15	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-1	SHAKERS	2			<b>FORMATION DATA</b>		
CAKE(mm)	1	Pac-R-1	SCREENS	2x84-2x105			DEPTH		
SOLIDS %	4.4	Caustic-1	<b>PUMPS</b>				TRIP GAS (%)		
SAND %	.5		TYPE	SB 700	NP 600	3	CONN. GAS (%)		
CHLORIDES(mg/l)	17000		STROKE(in)	16	8		B'GRD GAS (%)		
KCL %	2.2		LINER(in)	6.5 x 2.75	5.5		PORE PRESS (ppg)		
MBT	15		SPM	50			ECD (ppg)		
TEMP °C	39		GPM	400			LITHOLOGY		
HOLE VOL(bbl)	306		SPP ~ psi	950			<b>TIME ANALYSIS</b>		
SURF VOL(bbl)	440		AV-DP(m/min)	188				<b>HRS</b>	<b>CUM.</b>
LOSSES(bbl/hr)			AV-DC(m/min)	294			1. MOVE RIG		
MUD Co	RMR		SCR - spm	22/340	92/340		2. RIG UP		27.0
MUD TYPE	KCL/PHPA		SCR - spm	26/400	108/400		3. DRILLING	12.5	101.5
<b>BIT DATA</b>			<b>BHA DETAILS</b>		<b>BHA No.</b>				
BIT No.	3	2	<b>TOOL</b>		<b>OD (in)</b>	<b>Length (m)</b>			
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	S323	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)	98	788	BICO JAR		6 1/2	9.59			
HOURS (cum.)	12.5	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)	8	14.3	XO		61/4	0.30			
WOB (mt)	0-7	0-5							
RPM	120	150							
JET VEL (m/sec)	215	236	<b>BHA LENGTH (m)</b>				198.18		
HHP @ BIT	88	108	<b>BHA WEIGHT (Klbf)</b>				43k		
			<b>STRING WEIGHT (Klbf)</b>				106		
<b>SURVEYS:</b>	<b>DEPTH</b>	<b>DEVIATION</b>	<b>AZIMUTH</b>	<b>TVD</b>	<b>COMMENTS</b>				
7	960	1	348 mag		SS				
8	1107	1	316 mag		SS				
9	1,260	3/4	150 mag		SS				
10	1,399	1	37 mag		SS				
5									
6									
<b>DRILLING TOOLS</b>	<b>SERIAL No.</b>	<b>CUM. HOURS</b>	<b>DRILLING DATA</b>			<b>TOTAL (HRS)</b>	24.0	240.0	
S STAB & NBR	6081/T 2276	70.5/12.5	DRAG - UP (Klbf)		1		240.0		
BICO JARS	DJ010	221.0	DRAG - DOWN (Klbf)		2				
MDC	700891	172	TORQUE-On Bottom (Kft.lb)		n/a				
Pony DC	F 57	12.5	TORQUE-Off Bottom (Kft.lb)		n/a				
S STAB	2265	172							
<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>		
	o/cast		Showers	8-19	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>		
		500					19,800		
<b>PERSONNEL ON RIG</b>			<b>TRANSPORTATION</b>			<b>COMMENTS/REQUIREMENTS</b>			
<b>OPERATOR</b>	3		<b>TRUCKS</b>	<b>LOAD</b>	<b>HOURS</b>				
DRILLING CONTRACTOR	19								
SERVICE COMPANYS									
Mud Logging Crew	3								
Mud Engineer	1								
Cementers	0								
Electric Logging Crew									
DST Crew									
<b>OTHERS</b>									
<b>TOTAL</b>	26								
<b>SUPERVISOR</b>	D Hair		<b>ENGINEER</b>	GR	<b>RIG MANAGER</b>	S.Kineally			