





# DAILY DRILLING REPORT

## ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

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

**DATE:** 3/05/08  
**REPORT No.** DR 8  
**D.F.S.** 8

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL			SAFETY/BOP/DRILLS			
DENSITY(SG)	9	Bio-0		gpm	uf	hrs	ACCIDENT FREE DAYS	313	
VISCOSITY(Secs)	40	GeI-0	DESILTER				LAST BOP DRILL	3/5/08	
pH	8.5	Kcl-60	DESANDER				LAST FIRE DRILL		
PV/YP	11/15	CaCo3-0	CENTRIFUGE 1				LAST H2S DRILL		
GELS 10/10	2/3	Phpa-12	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-2	SHAKERS	2			<b>FORMATION DATA</b>		
CAKE(mm)	1	55	SCREENS	2x84-2x105			DEPTH		
SOLIDS %	4.5		<b>PUMPS</b>	<b>1</b>	<b>2</b>	<b>3</b>	TRIP GAS (%)		
SAND %	.5		TYPE	SB 700	NP 600		CONN. GAS (%)		
CHLORIDES(mg/l)	14000		STROKE(in)	16	8		B'GRD GAS (%)		
KCL %	2.1		LINER(in)	6.5 x 2.75	5.5		PORE PRESS (ppg)		
MBT	10		SPM	50			ECD (ppg)		
TEMP °C	39		GPM	400			LITHOLOGY		
HOLE VOL(bbl)	295		SPP ~ psi	930			<b>TIME ANALYSIS</b>		
SURF VOL(bbl)	450		AV-DP(m/min)	195				<b>HRS</b>	<b>CUM.</b>
LOSSES(bbl/hr)			AV-DC(m/min)	308			1. MOVE RIG		
MUD Co	RMR		SCR - spm	25/265	84/300		2. RIG UP		27.0
MUD TYPE	KCL/PHPA		SCR - spm	30/350	117/240		3. DRILLING	16.0	89.0
<b>BIT DATA</b>			<b>BHA DETAILS</b>		<b>BHA No.</b>				
BIT No.	1RR	2	<b>TOOL</b>		<b>OD (in)</b>	<b>Length (m)</b>			
SIZE (in)	12.1/4	8.5	BIT		8 1/2	0.30	5. WIPER TRIP		
TYPE	JST11X	FSX565Z	N/B STAB		61/4 X 8 1/2	0.74	6. SURVEY		
IADC CODE	117	S323	MUD MOTOR		8.5	7.95	7. CIRC./COND		
SERIAL No.	L2337	11058761	81/2 STAB		6.25 X 8.5	1.52	8. HANDLE BHA		
NOZZLES(mm)	3/16-1/14	5 X 12	MONEL		6.5	9.49	9. CASE/CEMENT		
DEPTH IN (m)	22	582	81/S STAB		6.25 X 8.5	1.54	10. WELLHEAD		
DEPTH OUT (m)	582	-	12 X 61/4 DC		6 1/4	108.14	11. BOPS/DIV		
DRILLED (m. cum)	560	788	BICO JAR		6 1/2	9.59	12. LOT		
HOURS (cum.)	31	55.0	3 X 61/4 DC		6 1/4	26.68	13. CORING		
GRADE	1-1-SS-A-2E-1-NO-TD	IN	4 X HWDP		6 1/4 X 4 1/2	36.13	14. LOGGING		
AVGE ROP (m/hr)	18	14.3	XO		61/4	0.30	15. REAM/WASH		
WOB (mt)	10	0-5					16. FISH/STUCK		
RPM	120	150					17. LOSS CIRC		
JET VEL (m/sec)	204	236	<b>BHA LENGTH (m)</b>			202.38	18. KICK CONTROL		
HHP @ BIT	96	108	<b>BHA WEIGHT (Klbf)</b>			43k	19. SIDETRACK		
			<b>STRING WEIGHT (Klbf)</b>			106	20. RIG REPAIR		
							21. WELL TEST		
<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				
					22. WO WEATHER				
					23. WAIT -WOC				
					24. ABD./SUSPEND				
					25. RIG SERVICE				
					26. SLIP/CUT LINE				
					27. OTHER				
					COMPLETION				
<b>DRILLING TOOLS</b>	<b>SERIAL No.</b>	<b>CUM. HOURS</b>	<b>DRILLING DATA</b>			<b>TOTAL (HRS)</b>	24.0	216.0	
S STAB & NBR	6081/T 2276	58	DRAG - UP (Klbf)		4		216.0		
BICO JARS	DJ010	208.5	DRAG - DOWN (Klbf)		2				
MDC	700891	159.5	TORQUE-On Bottom (Kft.lb)		n/a				
MUD MOTOR	F 57	159.5	TORQUE-Off Bottom (Kft.lb)		n/a				
S STAB	2265	159.5							
<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					21,000		
<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									
OTHERS									
<b>TOTAL</b>	26								
<b>SUPERVISOR</b>	D Hair		<b>ENGINEER</b>	GR	<b>RIG MANAGER</b>	S.Kineally			