





# DAILY DRILLING REPORT

## ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

<b>WELL:</b> EASTWING 1	<b>DATE:</b> 27/04/08
<b>PERMIT:</b> PEP 168	<b>REPORT No.:</b> DR 2
<b>RIG:</b> ADS Rig 6	<b>D.F.S.:</b> 2

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL			SAFETY/BOP/DRILLS			
DENSITY(SG)	9.2	Bio-0		gpm	uf	hrs	ACCIDENT FREE DAYS	307	
VISCOSITY(Secs)	45	Gel-0	DESILTER				LAST BOP DRILL		
pH	8.5	Kcl-0	DESANDER				LAST FIRE DRILL		
PV/YP	4/36		CENTRIFUGE 1				LAST H2S DRILL		
GELS 10/10	4/9		CENTRIFUGE 2				LAST BOP TEST		
WL API (cc/30min)							BOP TEST DUE		
WL HTHP(cc/30min)			SHAKERS	2			<b>FORMATION DATA</b>		
CAKE(mm)	1		SCREENS	2x84-2x105			DEPTH		
SOLIDS %	5.6		<b>PUMPS</b>	<b>1</b>	<b>2</b>	<b>3</b>	TRIP GAS (%)		
SAND %	.25		TYPE	SB 700	NP 600		CONN. GAS (%)		
CHLORIDES(mg/l)	13000		STROKE(in)	16	8		B'GRD GAS (%)		
KCL %	2		LINER(in)	6.5 x 2.75	5.5		PORE PRESS (ppg)		
MBT	15		SPM	61	0		ECD (ppg)		
TEMP °C	29		GPM	488			LITHOLOGY		
HOLE VOL(bbl)	281		SPP ~ psi	800			<b>TIME ANALYSIS</b>		
SURF VOL(bbl)	430		AV-DP(m/min)	106				<b>HRS</b>	<b>CUM.</b>
LOSSES(bbl/hr)			AV-DC(m/min)	104/134			1. MOVE RIG		
MUD Co	RMN		SCR - spm	-	-		2. RIG UP		27.0
MUD TYPE	Spud		SCR - spm	-	-		3. DRILLING		31.0
<b>BIT DATA</b>			<b>BHA DETAILS</b>		<b>BHA No.</b>				
BIT No.	1RR		<b>TOOL</b>		<b>OD (in)</b>	<b>Length (m)</b>			
SIZE (in)	12.1/4		BIT		12 1/4	0.30			
TYPE	JST11X		BIT SUB		8	0.83			
IADC CODE	117		8" DC		8	9.25			
SERIAL No.	L2337		8" STAB		12 1/4	1.36			
NOZZLES(mm)	3/16-1/14		8" DC		8	9.38			
DEPTH IN (m)	22		X/O		8 X 6	0.71			
DEPTH OUT (m)	582		12 X 61/4 DC		6 1/4	108.14			
DRILLED (m. cum)	560		BICO JAR		6 1/2	9.59			
HOURS (cum.)	31		3 X 61/4 DC		6 1/4	26.68			
GRADE			4 X HWDP		6 1/4 X 4 1/2	36.13			
AVGE ROP (m/hr)	18								
WOB (mt)	10								
RPM	120								
JET VEL (m/sec)	204		<b>BHA LENGTH (m)</b>			202.37			
HHP @ BIT	96		<b>BHA WEIGHT (Klbf)</b>			43k			
			<b>STRING WEIGHT (Klbf)</b>			74			
<b>SURVEYS:</b>	<b>DEPTH</b>	<b>DEVIATION</b>	<b>AZIMUTH</b>	<b>TVD</b>	<b>COMMENTS</b>				
1	33	1/2			TOTCO				
2	183	1/2			TOTCO				
3	327	1/2			TOTCO				
4	488	3/4			TOTCO				
							COMPLETION		
<b>DRILLING TOOLS</b>	<b>SERIAL No.</b>	<b>CUM. HOURS</b>	<b>DRILLING DATA</b>			<b>TOTAL (HRS)</b>	24.0	96.0	
12 1/4 STAB	T 2276	66	DRAG - UP (Klbf)		2			96.0	
BICO JARS	DJ010	147.5	DRAG - DOWN (Klbf)		2				
			TORQUE-On Bottom (Kft.lb)		n/a				
			TORQUE-Off Bottom (Kft.lb)		n/a				
<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>		
	Rain Showers			Dec-20	poor	0-10	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					30,500		
<b>PERSONNEL ON RIG</b>			<b>TRANSPORTATION</b>			<b>COMMENTS/REQUIREMENTS</b>			
OPERATOR	2		<b>TRUCKS</b>	<b>LOAD</b>	<b>HOURS</b>	4 jts 9 5/8" csg on site			
DRILLING CONTRACTOR	20								
SERVICE COMPANYS									
Mud Logging Crew	2								
Mud Engineer	1								
Cementers	2								
Electric Logging Crew									
DST Crew									
OTHERS									
<b>TOTAL</b>	<b>27</b>								
<b>SUPERVISOR</b>	D Hair		<b>ENGINEER</b>	GR	<b>RIG MANAGER</b>	S.Kineally			