DAILY DRILLING REPORT

ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

Essential Petroleum Exploration Pty Ltd

WELL:	EASTWING 1	**DATE:**	14/05/08
PERMIT:	PEP 168	**REPORT No:**	DR 19
RIG:	ADS Rig 6	**D.F.S.**	19

DEPTH 2400 Hrs:	TOF 2186	**OPERATIONS at 0600 Hrs:**	POH BHA				
TVD		**FORMATION:**					
24 HR PROG.:	0	**LAST CASING:**	9 5/8	AT	578	**SHOE L.O.T.:**	13.3
HOLE SIZE:	8 1/2	**ELEV:**	59	**RT - GL:**	4.3	**MAASP:**	414

FROM	TO	HOURS	OPERATIONS
0-0	0530	5.5	Rih with clean out assembly - hold up at 1500m p/u kelly
0530	1700	11.5	Work down to 1938m wash/ream tight spots & cave-ins
1700	2000	3.0	Circulate to raise mud weight to 9.4 - pump slug
2100	2400	3.0	Poh wash ream back through tight spots to 1400m
			HS&E No Incidents
		23.0	

OPERATIONS TO 0600 HRS: Poh from 1400m to DC's

PROGRAMME NEXT 24 HRS: Poh - rih with cement stinger to set kick off plug @ 1930 +/-

WELL COSTS (A$)	**DAILY COST:**	**$114,732.00**	**CUMULATIVE:**	**$1,756,036.00**

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MUD PROPERTIES		ADDITIVES
DENSITY(SG)	9.35	Bio-0
VISCOSITY(Secs)	43	Gel-0
pH	8.5	Kcl-0
PV/YP	16/22	CaCo3-120
GELS 10/10	3/6	Phpa-0
WL API (cc/30min)	6.5	Xan-1
WL HTHP(cc/30min)	_	So/Su-0
CAKE(mm)	1	Pac-R-0
SOLIDS %	5.9	Caustic-0
SAND %	tr	Rod Free-0
CHLORIDES(mg/l)	24000	Quickseal-0
KCL %	4.3	
MBT	10	
TEMP °C	~	
HOLE VOL(bbl)	484	
SURF VOL(bbl)	350	
LOSSES(bbl/hr)		
MUD Co	RMR	
MUD TYPE	KCL/PHPA	

SOLIDS CONTROL			
	gpm	uf	hrs
DESILTER			
DESANDER			
CENTRIFUGE 1			
CENTRIFUGE 2			
SHAKERS	2		
SCREENS	2x84-2x105		
PUMPS	**1**	**2**	**3**
TYPE	SB 700	NP 600	
STROKE(in)	16	8	
LINER(in)	5.5 x 2.75	5.5	
SPM	0	100	
GPM	0	250	
SPP ~ psi	0	500	
AV-DP(m/min)	0		
AV-DC(m/min)	0		
SCR - spm	0	0	
SCR - spm			

SAFETY/BOP/DRILLS	
ACCIDENT FREE DAYS	323
LAST BOP DRILL	12/5/08
LAST FIRE DRILL	
LAST H2S DRILL	
LAST BOP TEST	
BOP TEST DUE	13/5/08
FORMATION DATA	
DEPTH	
TRIP GAS (%)	
CONN. GAS (%)	
B'GRD GAS (%)	
PORE PRESS (ppg)	
ECD (ppg)	
LITHOLOGY	

BIT DATA		
BIT No.	4RR	
SIZE (in)	8.5	
TYPE	FSX 5657	
IADC CODE	S223	
SERIAL No.	11058761	
NOZZLES(mm)	3/15-2/14	
DEPTH IN (m)	WIPER	
DEPTH OUT (m)		
DRILLED (m. cum)		
HOURS (cum.)		
GRADE		
AVGE ROP (m/hr)		
WOB (mt)		
RPM		
JET VEL (m/sec)		
HHP @ BIT		

BHA DETAILS	BHA No.	
TOOL	**OD (in)**	**Length (m)**
BIT	8 1/2	0.30
N/B STAB	61/4 X 8 1/2	0.74
BITSUB	6 1/2	0.91
2 X 61/4 DC	6.25 X 8.5	18.16
S STAB	6.5	1.54
11 X 61/4 DC	6 1/4	89.43
BICO JAR	6 1/2	9.75
4 X 61/4 DC	6 1/4	26.36
5 X HWDP	6 1/4 X 4 1/2	36.13
XO	61/4	0.30
BHA LENGTH (m)		183.62
BHA WEIGHT (Klbf)		43k
STRING WEIGHT (Klbf)		162

TIME ANALYSIS	HRS	CUM.
1. MOVE RIG		
2. RIG UP		27.0
3. DRILLING		184.0
4. TRIP		16.5
5. WIPER TRIP	13.0	36.5
6. SURVEY		6.5
7. CIRC./COND	5.0	13.0
8. HANDLE BHA		17.5
9. CASE/CEMENT		13.0
10. WELLHEAD		1.5
11. BOPS/DIV		23.5
12. LOT		1.0
13. CORING		
14. LOGGING		
15. REAM/WASH	6.0	15.5
16. FISH/STUCK		94.0
17. LOSS CIRC		
18. KICK CONTROL		
19. SIDETRACK		
20. RIG REPAIR		16.5
21. WELL TEST		
22. WO WEATHER		
23. WAIT -WOC		6.5
24. ABD./SUSPEND		
25. RIG SERVICE		4.5
26. SLIP/CUT LINE		2.0
27. OTHER		1.0
COMPLETION		
TOTAL (HRS)	24.0	480.0
		480.0

SURVEYS:	DEPTH	DEVIATION	AZIMUTH	TVD	COMMENTS

DRILLING TOOLS	SERIAL No.	CUM. HOURS
NBR	T-1922	
S STAB	T-2264	
BICO JAR	DJ 001	

DRILLING DATA	
DRAG - UP (Klbf)	0
DRAG - DOWN (Klbf)	0
TORQUE-On Bottom (Kft.lb)	n/a
TORQUE-Off Bottom (Kft.lb)	n/a

WEATHER	WEATHER STATE	RAINFALL (mm)	TEMP.(°C)	VISIBILITY (km)	WIND SPEED(kts)	OTHER
	o/cast		8-19	good	0-5	cool

BULK STOCK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER	POT WATER	DIESEL FUEL
	84	500				15,600

PERSONNEL ON RIG	
OPERATOR	2
DRILLING CONTRACTOR	20
SERVICE COMPANYS	
Mud Logging Crew	3
Mud Engineer	1
Cementers	2
Electric Logging Crew	
DST Crew	
OTHERS	
TOTAL	28

TRANSPORTATION		
TRUCKS	**LOAD**	**HOURS**

COMMENTS/REQUIREMENTS

SUPERVISOR	D Hair	ENGINEER	GR	RIG MANAGER	D.Pollard