DAILY DRILLING REPORT

ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

Essential Petroleum Exploration Pty Ltd

WELL:	EASTWING 1 - A1	**DATE:**	17/05/08
PERMIT:	PEP 168	**REPORT No:**	DR 22
RIG:	ADS Rig 6	**D.F.S.**	22

DEPTH 2400 Hrs:	1363m TOC	**OPERATIONS at 0600 Hrs:**	Survey @ 1365m				
TVD	0	**FORMATION:**	Parrate/Cmt				
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 tag cement @ 1184m - L/d singles & p/u stands
0530	0930	4.0	Wash / ream to hard cement @ 1354m
0930	1030	1.0	Dress cement till hard @ 1363m
1030	1130	1.0	Circ hole clean
1130	1500	3.5	Poh to Bha
1500	2230	7.5	Rack back slick Bha - M/u & orient Kick off assembly - test motor
2230	2400	1.5	Rih Drill Pipe
			HS&E No Incidents
		24.0	

OPERATIONS TO 0600 HRS:	Rih to 1350m -0300
	Wash down to Toc 1363m - 0400
	Drill 2m to 1365 - 0430
	Orient and survey - missrun - rerun - 0600
	Wire line sheave fouled & kinked wire - 0630 recover survey and start sliding - 0700
PROGRAMME NEXT 24 HRS:	Kick off plug & drill ahead with surveys

WELL COSTS (A$)	**DAILY COST:**	**$65,407.00**	**CUMULATIVE:**	**$2,063,033**

DAILY DRILLING REPORT
ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

Essential Petroleum Exploration Pty Ltd

WELL:	EASTWING 1 - A1	**DATE:**	17/05/08
PERMIT:	PEP 168	**REPORT No.**	DR 22
RIG:	ADS Rig 6	**D.F.S.**	22

MUD PROPERTIES		ADDITIVES
DENSITY(SG)	9.2	Bio-0
VISCOSITY(Secs)	35	Gel-0
pH	10.5	Kcl-28
PV/YP	12/7	CaCo3-88
GELS 10/10	1/3	Phpa-0
WL API (cc/30min)	17	Xan-1
WL HTHP(cc/30min)	_	So/Su-0
CAKE(mm)	1	Pac-R-1
SOLIDS %	5.4	Caustic-0
SAND %	tr	Rod Free-0
CHLORIDES(mg/l)	16000	Quickseal-0
KCL %	2.5	
MBT	7.5	
TEMP °C	31	
HOLE VOL(bbl)	484	
SURF VOL(bbl)	400	
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	40	0	
GPM	250	0	
SPP ~ psi	200	0	
AV-DP(m/min)	0		
AV-DC(m/min)	0		
SCR - spm	0	0	
SCR - spm			

SAFETY/BOP/DRILLS	
ACCIDENT FREE DAYS	326
LAST BOP DRILL	16/5/08
LAST FIRE DRILL	
LAST H2S DRILL	
LAST BOP TEST	
BOP TEST DUE	30/5/08
FORMATION DATA	
DEPTH	
TRIP GAS (%)	
CONN. GAS (%)	
B'GRD GAS (%)	
PORE PRESS (ppg)	
ECD (ppg)	
LITHOLOGY	

BIT DATA		
BIT No.	5	RR5
SIZE (in)	8.5	8.5
TYPE	EQCIS	EQCIS
IADC CODE	117	117
SERIAL No.	10998868	10998868
NOZZLES(mm)	3 X 14	3 X 14
DEPTH IN (m)	1354	1363
DEPTH OUT (m)	1363	
DRILLED (m. cum)	1	
HOURS (cum.)	1	
GRADE	CLEANOUT	
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	0.26
MUD MOTOR	6.5	7.69
FLOAT SUB	6 1/2	0.62
UG 81/2 STAB	6.25 X 8,25	1.90
UBHO	6.5	0.69
XO	6.5	0.45
MONEL	6 1/4	8.42
4 X HWDP	61/4 X 41/2	36.13
3 X 61/4 DC SPIRALS	6 1/4	27.13
BICO JAR	6.5	9.75
2 X 61/4 DC	61/4	18.85
BHA LENGTH (m)		111.89
BHA WEIGHT (Klbf)		27000
STRING WEIGHT (Klbf)		95

TIME ANALYSIS	HRS	CUM.
1. MOVE RIG		
2. RIG UP		27.0
3. DRILLING		184.0
4. TRIP		33.5
5. WIPER TRIP		36.5
6. SURVEY		6.5
7. CIRC./COND		14.0
8. HANDLE BHA		29.0
9. CASE/CEMENT		13.0
10. WELLHEAD		1.5
11. BOPS/DIV		31.5
12. LOT		1.0
13. CORING		
14. LOGGING		
15. REAM/WASH		15.5
16. FISH/STUCK		94.0
17. LOSS CIRC		
18. KICK CONTROL		
19. SIDETRACK	24.0	30.0
20. RIG REPAIR		16.5
21. WELL TEST		
22. WO WEATHER		
23. WAIT -WOC		6.5
24. ABD./SUSPEND		
25. RIG SERVICE		5.0
26. SLIP/CUT LINE		2.0
27. OTHER		5.0
COMPLETION		
TOTAL (HRS)	24.0	552.0
		552.0

SURVEYS:	DEPTH	DEVIATION	AZIMUTH	TVD	COMMENTS

DRILLING TOOLS	SERIAL No.	CUM. HOURS
SCHLUMBERGER	K/O TOOLS	
BICO JAR	DJ001	

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 & rain	heavy	8-15	fair	0-5	cool

BULK STOCK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER	POT WATER	DIESEL FUEL
	84	500				27,400

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