



DAILY DRILLING REPORT

ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

WELL:
PERMIT:
RIG:

DATE:
REPORT No:
D.F.S.

DEPTH 2400 Hrs: **OPERATIONS at 0600 Hrs:**
EST. TOF: **FORMATION:**
24 HR PROG.: **LAST CASING:** AT **SHOE L.O.T.:**
HOLE SIZE: **ELEV:** **RT - GL:** **MAASP:**

FROM	TO	HOURS	OPERATIONS
0-0	0100	1.0	Weatherford equipment failure - rig down back off shot
0100	0300	2.0	Rig up kelly to circulate - gooseneck leaking - difficulty breaking circ -
0300	0600	3.0	Circulate to reduce mud weight to 9 ppg
0600	1800	12.0	Circulate to reduce mud weight to 8.9 ppg - jar & torque down - pump sweeps - work pipe
1800		5.0	Weatherford install replacement equipment - rih with guns - locate collar - work reverse torque down pipe
	2300		fire guns and back off @ 2194m [above Waarre formation] pull back kelly & rig down Weatherford
2300	2400	1.0	Pump out 2 singles with high overpull - circ B/u
			HS&E No Incidents
		24.0	

OPERATIONS TO 0600 HRS: Pump out 10 singles high over pull - unable to pull without pumping
 Circ mud wt up to 9.2 ppg
 Pull back 6 singles with kelly - rack back and poh

PROGRAMME NEXT 24 HRS: Poh - M/u bit bha - wash to TOF - cond mud - poh & rih with cement stinger to set kick off plug

WELL COSTS (A\$)	DAILY COST:	\$54,450.00	CUMULATIVE:	\$1,583,181.00
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DAILY DRILLING REPORT

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WELL: EASTWING 1	DATE: 12/05/08
PERMIT: PEP 168	REPORT No.: DR 17
RIG: ADS Rig 6	D.F.S.: 17

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL			SAFETY/BOP/DRILLS			
DENSITY(SG)	8.9	Bio-2		gpm	uf	hrs	ACCIDENT FREE DAYS	321	
VISCOSITY(Secs)	39	Gel-0	DESILTER				LAST BOP DRILL	11/5/08	
pH	9	Kcl-0	DESANDER				LAST FIRE DRILL		
PV/YP	15/15	CaCo3-0	CENTRIFUGE 1				LAST H2S DRILL		
GELS 10/10	1/1	Phpa-0	CENTRIFUGE 2				LAST BOP TEST		
WL API (cc/30min)	6.5	Xan-3					BOP TEST DUE	13/5/08	
WL HTHP(cc/30min)	-	So/Su-0	SHAKERS	2			FORMATION DATA		
CAKE(mm)	1	Pac-R-3	SCREENS	2x84-2x105			DEPTH		
SOLIDS %	3.4	Caustic-3	PUMPS	1	2	3	TRIP GAS (%)		
SAND %	tr	Rod Free-0	TYPE	SB 700	NP 600		CONN. GAS (%)		
CHLORIDES(mg/l)	13500	Quickseal-1	STROKE(in)	16	8		B'GRD GAS (%)		
KCL %	2.2		LINER(in)	5.5 x 2.75	5.5		PORE PRESS (ppg)		
MBT	7.5		SPM	0	100		ECD (ppg)	9.54	
TEMP °C	43		GPM	0	250		LITHOLOGY		
HOLE VOL(bbl)	483		SPP ~ psi	0	500		TIME ANALYSIS		
SURF VOL(bbl)	430		AV-DP(m/min)	0				HRS	CUM.
LOSSES(bbl/hr)			AV-DC(m/min)	0			1. MOVE RIG		
MUD Co	RMR		SCR - spm	0	0		2. RIG UP		27.0
MUD TYPE	KCL/PHPA		SCR - spm				3. DRILLING		184.0
BIT DATA			BHA DETAILS		BHA No.				
BIT No.	3	2	TOOL		OD (in)	Length (m)			
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	S223	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	81/2 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)	887	788	BICO JAR		6 1/2	9.59			
HOURS (cum.)	95	55.0	3 X 61/4 DC		6 1/4	26.68			
GRADE	IN	3/3/BT/SX/1/CT/DMF	4 X HWDP		6 1/4 X 4 1/2	36.13			
AVGE ROP (m/hr)	9.3	14.3	XO		61/4	0.30			
WOB (mt)	4-10	0-5							
RPM	80-120	150							
JET VEL (m/sec)	214	236	BHA LENGTH (m)			198.18			
HHP @ BIT	90	108	BHA WEIGHT (Klbf)			43k			
			STRING WEIGHT (Klbf)			162			
SURVEYS:	DEPTH	DEVIATION	AZIMUTH	TVD	COMMENTS				
13	1,850	1/4	56 mag		SS				
14	1995	11/2	350mag		SS				
15	2,148	2 1/4	109mag		SS				
10	1,399	1	37 mag		SS				
11	1,560	1/2	278 mag		SS				
12	1697	1/4	336 mag		SS				
DRILLING TOOLS	SERIAL No.	CUM. HOURS	DRILLING DATA			TOTAL (HRS)	24.0	432.0	
S STAB & NBR	6081/T 2276	153/95	DRAG - UP (Klbf)		1			432.0	
BICO JARS	DJ010	302.0	DRAG - DOWN (Klbf)		2				
MDC	700891	254.5	TORQUE-On Bottom (Kft.lb)		n/a				
Pony DC	F 57	95	TORQUE-Off Bottom (Kft.lb)		n/a				
S STAB	2265	254.5							
WEATHER	WEATHER STATE		RAINFALL (mm)	TEMP.(°C)	VISIBILITY (km)	WIND SPEED(kts)	OTHER		
	o/cast		Showers	8-19	good	0-5	cool		
BULK STOCK	GEL(sx)	BARITE(sx)	CEMENT(sx)	DRILLWATER		POT WATER	DIESEL FUEL		
	84	500					8,300		
PERSONNEL ON RIG			TRANSPORTATION			COMMENTS/REQUIREMENTS			
OPERATOR	2		TRUCKS	LOAD	HOURS				
DRILLING CONTRACTOR	20								
SERVICE COMPANYS									
Mud Logging Crew	3								
Mud Engineer	1								
Cementers	2								
Electric Logging Crew									
DST Crew									
OTHERS									
TOTAL	28								
SUPERVISOR	D Hair		ENGINEER	GR	RIG MANAGER	D.Pollard			