



Essential  
Petroleum  
Resources  
Limited

# DAILY DRILLING REPORT

RIG : Hunt Energy Rig-2  
PERMIT : PEP 152, Otway Basin

DATE: 18-Jun-04  
REPORT No: 11  
D.F.S: 9.5  
SHOE F.I.T: 12.5ppg

WELL NAME: KILLARNEY EPRL-1

STATUS @ 2400 HRS: Logging w/Schlum e-log #2: CSAT Velocity Surev.

DEPTH - 2400 HRS: 1,640 m  
DEPTH - PREVIOUS: 1,640 m  
24 HR PROGRESS: 0 m  
SAFETY MEETINGS: Crews held pre-Tour Safety meetings & 2x JSA's; 2x E-log Safety Meetings.

FORMATION: Eumerella Fm  
HOLE SIZE: 8.1/2"  
ACCIDENTS: Nil

RT - GL (m): 3.9 m  
SHOE DEPTH: 255.8 mRT  
LAST CASING: 9.5/8" Surface

MUD PROPERTIES		ADDITIVES
DENSITY (ppg)	9.45	
VISCOSITY	43	
pH	8.5	
PV / YP	15 / 16	
GELS 10s/10m	2 / 4	
WL API / FC (cc)	6.0	
SOLIDS %	6.6	
SAND %	Trace	
CHLORIDES	22,000	
KCL (% WT)	4.10	
MBT / PHPA (ppb)	10 / 0.9	
Pm Pm/Mf	0 0.05/0.75	
TEMP (degC)	43.4	
HOLE VOL (bbls)	342	
SURFACE VOL (bbls)	359	
HOLE LOSSES (bbls)	6	
MUD CO	RMN	
MUD ENGINEER	N. Kyberd	

SOLIDS CONTROL		
UNIT	GPM / HRS	UF / OF
DESILTER	1.5 / 3	11.4 / 9.3
DESANDER		
MUDCLEANER		
CENTRIFUGE		
SHAKER SCREENS: 1x S110, 1x S84, 1x S55		

PUMPS	1	2
TYPE	TSM-500	DB-550
STROKE (")	16	16
LINER (")	5 1/2	5 1/2
SPM		
PRESSURE		
GPM (97% eff)		
AV (DP - ft/min)		
AV (DC - ft/min)		
SPR (P1 / P2)		
SPR PRESS		

INVENTORY	
BARITE	350 sx
GEL	42 sx
CEMENT	5 tonnes
SALT	0 sx
KCL	91 sx
DRILLWATER	100 %
DIESEL FUEL	8,434 lts

DRILLS / BOPS	
LAST BOP DRILL	16-Jun-04
LAST FIRE DRILL	
LAST ABN.RIG DRILL	
LAST BOP TEST	12-Jun-04
NEXT BOP TEST	26-Jun-04
DAYS SINCE LAST LTA	525

BIT DATA	
BIT No.	3
SIZE (ins)	8.1/2"
TYPE	CH04MS
IADC CODE	4-1-7
SERIAL No.	172489
NOZZLES	3 x 13
OUT (m)	1,640
IN (m)	1,321
DRILLED (m)	319.0
HOURS	30
CONDITION	1-2-WT-G-E-I-NO-TD
AVG ROP (m/hr)	10.63
WOB (x1000 lbs)	20 - 25
RPM	100
JET VEL (ft/sec)	282
HHP @ BIT (HSI)	2.33

SURVEYS		
DEPTHS	Inc (deg)	Azimuth
MD/ ( TVD )		
246	1.25	-
451	1.00	-
697	0.50	-
961	2.00	-
1,206	2.00	-
1,309	1.25	-
1,628	2.50	-

FORMATION DATA	
TRIP GAS (%)	
CONN.GAS (%)	
B.GAS (%)	
P.PRESS (ppg)	
ECD (ppg)	

TIME ANALYSIS	
1. MOVE RIG	
2. RIG UP	
3. DRILLING	
4. BIT TRIP	5.5
5. WIPER TRIP	3.5
6. SURVEY	0.5
7. CIRC / COND	1.5
8. CHANGE BHA	0.5
9. CASE & CEMENT	
10. WELLHEAD	
11. BOP'S	
12. L.O.T.	
13. CORING	
14. LOGGING	11
15. REAM / WASH	1.5
16. FISH / STUCK	
17. LOSS CIRC	
18. KICK CONTROL	
19. SIDETRACK	
20. REP. SUBSURFACE	
21. REP. SURFACE	
22. WELL TEST	
23. W.O. WEATHER	
24. WAIT - OTHER	
25. ABANDON / SUSP	
26. RIG DOWN	
27. W.O. CEMENT	
28. DRILL CEMENT	
29. RIG SERVICE	
30. SLIP & CUT LINE	
<b>TOTAL</b>	<b>24</b>

BHA.: TCI Bit + F/Sub + 1x 6.1/4" DC + Stab + 12x 6.1/4" DC + Jars + 6x 6.1/4" DC +  
+ 6x HWDP = 245.26m.

BHA WEIGHT :	55,800 lbs	STRING WT.:	108,000 lbs
	(buoyed weight)		(buoyed weight)
DP RATING :	lbs - 'G' Grade	MARGIN :	0 lbs @ 75%
DP RATING :	595,000 lbs - 'S' Grade	MARGIN :	446,250 lbs @ 75%
TORQUE ON BTM :	n/a ft.lbs	DRAG UP :	2,000 lbs
TORQUE OFF BTM :	n/a ft.lbs	DRAG DOWN :	14,000 lbs

CONTINUED ../2

END OF REPORT