



Essential  
Petroleum  
Resources  
Limited

# DAILY DRILLING REPORT

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

DATE: 15-Jun-04  
REPORT No: 8  
D.F.S: 6.5  
SHOE F.I.T: 12.5ppg

WELL NAME: KILLARNEY EPRL-1 STATUS @ 2400 HRS: Pulling out of hole for bit change.

DEPTH - 2400 HRS: 1,321 m  
DEPTH - PREVIOUS: 1,098 m  
24 HR PROGRESS: 223 m  
SAFETY MEETINGS: Crews held pre-Tour Safety meetings & 2x JSA's.

FORMATION: Belfast Mudstone  
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	SOLIDS CONTROL		
DENSITY (ppg)	9.30	5sx AMC-Pac R	UNIT	GPM / HRS	UF / OF
VISCOSITY	43	5sx AMC-Pac LV	DESILTER	0.6 / 18	11.4 / 9.3
pH	8.5	5dr PHPA	DESANDER		
PV / YP	15 / 19	85sx KCl	MUDCLEANER		
GELS 10s/10m	2 / 6	4sx Sod.Sulphite	CENTRIFUGE		
WL API / FC (cc)	6.2		SHAKER SCREENS:	1x S84, 2x S55	
SOLIDS %	5.6				
SAND %	Tr				
CHLORIDES	21,000				
KCL (% WT)	4.00				
MBT / PHPA (ppb)	- / 1.1				
Pm Pm/Mf	0 0.05/0.55				
TEMP (degC)	44.5				
HOLE VOL (bbls)	275				
SURFACE VOL (bbls)	385				
HOLE LOSSES (bbls)	152				
MUD CO	RMN				
MUD ENGINEER	N. Kyberd				

INVENTORY	
BARITE	400 sx
GEL	42 sx
CEMENT	5 tonnes
SALT	0 sx
KCL	156 sx
DRILLWATER	100 %
DIESEL FUEL	5,050 lts

PUMPS		1	2	DRILLS / BOPS	
TYPE	TSM-500	DB-550		LAST BOP DRILL	13-Jun-04
STROKE (")	16	16		LAST FIRE DRILL	
LINER (")	5 1/2	5 1/2		LAST ABN.RIG DRILL	
SPM	40	40		LAST BOP TEST	12-Jun-04
PRESSURE	1,520			NEXT BOP TEST	26-Jun-04
GPM (97% eff)	448			DAYS SINCE LAST LTA	522
AV (DP - ft/min)	(Csg) 197, (OH) 219				
AV (DC - ft/min)	(OH) 379				
SPR (P1 / P2)	30 / 36	32 / 39			
SPR PRESS	375 / 575	375 / 575			

TIME ANALYSIS	
1. MOVE RIG	
2. RIG UP	
3. DRILLING	17
4. BIT TRIP	4.5
5. WIPER TRIP	
6. SURVEY	1.5
7. CIRC / COND	1
8. CHANGE BHA	
9. CASE & CEMENT	
10. WELLHEAD	
11. BOP'S	
12. L.O.T.	
13. CORING	
14. LOGGING	
15. REAM / WASH	
16. FISH / STUCK	
17. LOSS CIRC	
18. KICK CONTROL	
19. SIDETRACK	
20. REP. SUBSURFACE	
21. REP. SURFACE	

BIT DATA	
BIT No.	2RR
SIZE (ins)	8.1/2"
TYPE	FS2565
IADC CODE	
SERIAL No.	5996742
NOZZLES	5 x 12
OUT (m)	1,321
IN (m)	258.0
DRILLED (m)	1,063.0
HOURS	57.5
CONDITION	In
AVG ROP (m/hr)	18.49
WOB (x1000 lbs)	8 - 15
RPM	100 - 120
JET VEL (ft/sec)	260
HHP @ BIT (HSL)	2.60

SURVEYS		
DEPTHS	Inc (deg)	Azimuth
MD/ ( TVD )		
49.5	0.50	-
246	1.25	-
451	1.00	-
697	0.50	-
961	2.00	-
1,206	2.00	-

FORMATION DATA	
TRIP GAS (%)	
CONN.GAS (%)	0
B.GAS (%)	8
P.PRESS (ppg)	
ECD (ppg)	9.6 ppg

BHA.: PDC Bit + F/Sub + 1x 6.1/4" DC + Stab + 10x 6.1/4" DC + Jars + 6x 6.1/4" DC + 6x HWDP = 226.66m.

BHA WEIGHT :	51,000 lbs	STRING WT.:	90,000 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 :	3,400 ft.lbs	DRAG UP :	2,000 lbs
TORQUE OFF BTM :	1,020 ft.lbs	DRAG DOWN :	4,000 lbs

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>

CONTINUED ../2

END OF REPORT