



DAILY GEOLOGICAL REPORT

WELL: Glenaire-01 **REPORT No.:** 15 **DAYS FROM SPUD:** 15 **DATE:** 23/09/06
PL: PEP 160 **0000 hrs Depth:** 3002 m **LAST DEPTH:** 2934 m **PROGRESS:** 68 m
LOCATION: Otway Basin **Rig:** Ensign 32 **RT elevation:** 76.1 m **PTD:** 3945 m
Northing: 5 840 813 m N **Easting:** 499 810 m E **Ground Level:** 70.0m
NEARBY WELLS: Tullich-1, Mceachern-1, Haselgrove South-1, Heathfield-1

0600 OPS: RIH with Schlumberger Run#1 GR-LLD-LLS-DT-Cal, log repeat section from bottom, run back to bottom - calliper failure – POOH - check head - isolate calliper (no backup calliper available) – RIH - log up to shoe with Run#1 GR-LLD-LLS-DT (no calliper or Rxoz), GR to surface.

PREVIOUS 24 Hours Operations: Drill ahead with 216mm hole to 3002m, wiper trip to condition hole, POOH to log, Rig up Schlumberger, Run#1 GR-LLD-LLS-DT-Cal, RIH.

Comment: Deviation at 2989m = 6.25Deg Az 315 (uncorrected).

Caliper at bottom on repeat – hole in gauge, good condition.

Hole deviation in approximate agreement with rig survey results.

| Formation Tops (Wellsite) | Wellsite (mRT) | Wellsite (mSS) | Prognosed Depths | | Prognosis | |
|------------------------------|-------------------|-------------------|------------------|-------|-------------|-----|
| | | | (mRT) | (mSS) | Diff | H/L |
| Gambier Limestone | 6.1 | 70 | 6 | 70 | 0 | |
| Dilwyn Formation | 29 | 47 | 82 | -6 | 53H | |
| Pember Formation | 320 | -244 | 347 | -271 | 27H | |
| Pebble Point Formation | 380 | -304 | 421 | -345 | 41H | |
| Sherbrook Group | 448 | -372 | 487 | -411 | 39H | |
| Eumeralla Formation | 609 | -533 | 656 | -580 | 47H | |
| Windermere/Katnook Ss | Not Present | n/p | 2034 | -1958 | Not Present | |
| Laira Formation | 1968 | -1892 | 2059 | -1983 | 91H | |
| Pretty Hill Formation | | | 3746 | -3670 | | |
| T.D. | | | 3945 | -3869 | | |

| Interval (m) ROP (ave) min/m | Lithology Description | Gas/Background Breakdown C1/C2/C3/C4/C5 |
|------------------------------------|---|---|
| 2976 – 3002 (10) | SILTY CLAYSTONE, (100%) light to dark grey to medium brown grey, abundant very fine altered feldspar grains in part, trace black carbonaceous flecks and detritus, common micromica, moderately hard, subfissile. SANDSTONE, (Trace) off white to light brown, silty to very fine, subangular to subrounded, moderately sorted, strong silica and calcareous cements, abundant off white argillaceous matrix – matrix supported, abundant altered feldspar grains, trace green grey brown red and black volcanogenic lithics, trace quartz grains, trace fine brown and clear mica flakes, trace black carbonaceous detritus, hard, no visual porosity, no oil fluorescence. | 27 – 215 (45) (77:8:9:4:2) |
| Fluorescence | Nil in the sandstone, but: The detrital coal has no fluorescence but gives a very weak dull yellow crush cut. | |

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