



DAILY GEOLOGICAL REPORT

WELL: Glenaire-01 **REPORT No.:** 21 **DAYS FROM SPUD:** 21 **DATE:** 29/09/06
PL: PEP 160 **0000 hrs Depth:** 3230 m **LAST DEPTH:** 3103 m **PROGRESS:** 127 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, circulate hole clean (WTG 3076 units (81:8:7:3:1)), POOH for steering assembly.

PREVIOUS 24 Hours Operations: Drill ahead with 152mm hole to 3230m, circulate hole clean, POOH to due to excessive deviation, wait at shoe for directional steering equipment.

Comment: Survey at 3194m = 9.25 degrees N15W.

Formation Tops (Wellsite)	Wellsite (mRT)	Wellsite (mSS)	Prognosed (mRT)	Depths (mSS)	Prognosis 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
3162 – 3230 (33)	SILTY CLAYSTONE, (90%) medium to dark grey to medium brown grey, abundant very fine altered feldspar grains in part, moderately calcareous where arenaceous, trace black carbonaceous flecks and detritus, trace calcite veining, common micromica, hard, subfissile. SANDSTONE, (10%) off white to light brown, silty to fine, dominantly very fine, subangular to subrounded, moderately sorted, moderate silica and strong 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 mica flakes, trace black carbonaceous detritus, hard, no visual porosity, no oil fluorescence.	35 – 2766 (300) (77:8:8:5:2)
Fluorescence	Dull orange mineral fluorescence, no cut, in the sandstone, but: The detrital coal has no fluorescence but gives a very weak dull yellow crush cut.	

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