



DAILY GEOLOGICAL REPORT

WELL: Glenaire-01 **REPORT No.:** 24 **DAYS FROM SPUD:** 24 **DATE:** 02/10/06
PL: PEP 160 **0000 hrs Depth:** 3306 m **LAST DEPTH:** 3290 m **PROGRESS:** 16 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:

PREVIOUS 24 Hours Operations: Drill ahead with 152mm hole to 3306m, survey at 3294m = 20.5 degrees at 358.7 degrees azimuth, circulate hole clean, POOH in preparation for setting cement plug and sidetracking due to excessive hole deviation.

Comment:

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
3304 – 3306 (4.5)	SILTY CLAYSTONE, (100%) medium to dark grey to medium brown grey, occasionally very dark grey and moderately carbonaceous, abundant very fine altered feldspar grains in part, trace black carbonaceous flecks and detritus, common calcite lined fractures, common micromica, 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 mica flakes, trace fine black carbonaceous detritus, common calcite lined fractures, hard, no visual porosity, no oil fluorescence.	54 – 79 (70) (60:8:13:12:7)
Fluorescence	The sandstone has dull orange mineral fluorescence, no cut. The detrital coal has no fluorescence but gives a very weak dull yellow crush cut.	

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