



DAILY GEOLOGICAL REPORT

WELL: Glenaire-1ST1 **REPORT No.:** 43 **DAYS FROM SPUD:** 43 **DATE:** 21/10/06
PL: PEP 160 **0000 hrs Depth:** 3572 m **LAST DEPTH:** 3563 m **PROGRESS:** 9 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: Drill ahead with 152mm hole to 3578m.

PREVIOUS 24 Hours Operations: Drill ahead with 152mm hole to 3564m, POOH due to low ROP, pick up new PDC bit, RIH, trip gas (from 3192m) 3610 units with slightly oil cut mud, trip gas from 3564m 10 units, drill ahead with 152mm hole to 3572m.

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	3508	-1822	3746	-3670	238H	
T.D.			3945	-3869		

Interval (m) ROP (ave) min/m	Lithology Description	Gas/Background Breakdown C1/C2/C3/C4/C5
3564 – 3576 (1)	<p>SILTY CLAYSTONE, (50%) medium to dark grey to rarely medium brown grey,, moderately carbonaceous, trace fine black carbonaceous flecks and detritus, common micromica, hard, subfissile.</p> <p>SANDSTONE, (50%) off white, very fine to medium, dominantly fine, angular to subrounded, poorly sorted, strong silica and weak calcareous cements, common white argillaceous matrix, quartzose, trace to common altered feldspars, trace green grey black and brown lithics, trace fine black coaly detritus, very hard, no visual porosity, no oil fluorescence.</p>	35 – 98 (70) (72:8:7:7:6)
Fluorescence	The sandstone has dull yellow orange mineral fluorescence, no oil fluorescence or cut.	

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