



DAILY GEOLOGICAL REPORT

WELL: Glenaire-1ST1 **REPORT No.:** 45 **DAYS FROM SPUD:** 45 **DATE:** 23/10/06
PL: PEP 160 **0000 hrs Depth:** 3648 m **LAST DEPTH:** 3612 m **PROGRESS:** 36 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 at 3655m.

PREVIOUS 24 Hours Operations: Drill ahead with 152mm hole to 3642m, wiper trip (hole tight), wiper trip gas 3200 units, drill ahead with 152mm hole to 3648m.

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
3618 – 3654 (1.8)	SILTY CLAYSTONE, (70%) medium grey to black to medium brown, moderately carbonaceous, trace black carbonaceous flecks and detritus, common micromica, hard, subfissile. SANDSTONE, (30%) off white, very fine to fine, dominantly very fine, angular to subrounded, moderately sorted, strong silica and moderate calcareous cements, abundant white argillaceous matrix –matrix supported, quartzose, abundant altered feldspar grains, trace green, orange and grey lithics, trace black coaly detritus, hard, no visual porosity.	5 – 43 (27) (82:7:5:3:3)
Fluorescence	The sandstone has dull yellow orange mineral fluorescence, no oil fluorescence or cut.	

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