



DAILY GEOLOGICAL REPORT

WELL: Glenaire-1ST1 **REPORT No.:** 49 **DAYS FROM SPUD:** 49 **DATE:** 27/10/06
PL: PEP 160 **0000 hrs Depth:** 3701 m **LAST DEPTH:** 3700 m **PROGRESS:** 1 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: Circulate while waiting for mud chemicals.

PREVIOUS 24 Hours Operations: RIH to shoe, pressure test surface equipment, circulate out from shoe (maximum gas 1670 units, RIH, trip gas 3354u, drill 1m of new hole at 0.9m/hr in claystone to evaluate torque, hole slowly flowing from bottom, gradually increase mud weight to 12.0 ppg attempting to control influx.

Comment: Gas analysis of influx (90:6:2:1:1) cf. gas analysis of influx from oil zone at 3192m (61:12:13:9:5). Gas analysis whilst circulating 10-20 units (80:6:4:5:5), gas from shutdown peaks 960 units (90:6:2:1:1).

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.	3700	-3630	3945	-3869	245H

Interval (m) ROP (ave) min/m	Lithology Description	Gas/Background Breakdown C1/C2/C3/C4/C5
3700 – 3701 (0.9)	SILTY CLAYSTONE, (90%) medium grey to black to medium brown, moderately to very carbonaceous, trace black carbonaceous flecks and coaly detritus, trace very fine altered feldspar where brown, trace to common micromica, hard, subfissile. SANDSTONE, (10%) off white, very fine to fine, dominantly fine, angular to subrounded, moderately sorted, very strong silica and moderate calcareous cements, common white argillaceous matrix, quartzose, common altered feldspar grains, trace green, orange and grey lithics, trace black coaly detritus, very hard, no visual porosity, no oil fluorescence.	190units (90:6:2:1:1)
Fluorescence	NIL	

Fluorescence		
---------------------	--	--

Fluorescence		
---------------------	--	--

Fluorescence		
---------------------	--	--

Fluorescence		
---------------------	--	--

Fluorescence		
---------------------	--	--



DAILY GEOLOGICAL REPORT

Fluorescence		

Fluorescence		