



DAILY GEOLOGICAL REPORT

WELL: Glenaire-1ST1 **REPORT No.:** 36 **DAYS FROM SPUD:** 36 **DATE:** 14/10/06
PL: PEP 160 **0000 hrs Depth:** 3182 m **LAST DEPTH:** 3169 m **PROGRESS:** 13 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, drill ahead with 152mm hole to 3192m, trip gas 3445 units with slightly oil cut mud.
PREVIOUS 24 Hours Operations: Drill ahead with 152mm hole to 3182m, POOH for new bit, flow check at shoe positive, slow influx, RIH, circulate out (4154 units gas and slightly oil cut mud), increase mud weight to 10.5+ lb/gal, POOH, pick up PDC bit.
Comment: Influx on trip gave 4154 units of total gas (73:9:9:6:3) with oil cut mud. The oil is on the heavier end of light crude (bright pale yellow white fluorescence, milky white cut). The sandstones present visually are too tight for significant intergranular porosity, but the little fractures through it coupled with a minor input from the sand would be the most likely source, (the fluorescence does not show up in the sand cutting samples - too tight). The producing interval is probably mainly from around 3152m, but with some minor input from other fractures below at 3165 and 3180m.

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
	No new formation recovered.	
Fluorescence		

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