



DAILY GEOLOGICAL REPORT

WELL: Glenaire-01 **REPORT No.:** 6 **DAYS FROM SPUD:** 6 **DATE:** 13/06/06
PL: PEP 160 **0000 hrs Depth:** 1248 m **LAST DEPTH:** 883 m **PROGRESS:** 365 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 to 1255m, wiper trip prior to running casing.

PREVIOUS 24 Hours Operations: Drill ahead to 1248m.

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			2034	-1958	
Laira Formation			2059	-1983	
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
970 – 1080 (35)	<p>SILTY CLAYSTONE, (90%) light to medium green grey to light to medium brown grey, trace very fine altered feldspar grains in part, trace black carbonaceous flecks and detritus, trace micromica, common pyrite, soft, non fissile.</p> <p>SANDSTONE, (10%) light green grey, very fine to fine, dominantly fine, subangular to subrounded, moderately sorted, moderate silica cement, abundant off white argillaceous matrix – matrix supported, abundant altered feldspar grains, abundant green grey and common brown red and black volcanogenic lithics, trace quartz grains, trace brown and clear mica flakes, trace pyrite, trace black carbonaceous detritus, friable to moderately hard, no visual porosity, no oil fluorescence.</p>	3 – 23.7 (100:0:0:0:0)
Fluorescence	Nil	

1080 – 1255 (14)	<p>SILTY CLAYSTONE, off white to light to medium brown grey to light to medium green grey, trace to common very fine altered feldspar grains, slightly calcareous in part where arenaceous, trace black carbonaceous flecks and detritus, trace micromica, rare pyrite, soft, non fissile.</p> <p>SANDSTONE, off white to light green grey, very fine to occasionally medium, dominantly fine, subangular to subrounded, moderately sorted, moderate silica cement, very weak calcareous cement in part, abundant off white argillaceous and silt matrix – matrix supported, abundant altered feldspar grains, abundant green grey and common brown red and black volcanogenic lithics, trace quartz grains, trace fine brown and clear mica flakes, rare pyrite, trace black carbonaceous detritus, moderately hard, no visual porosity, no oil fluorescence.</p>	3 – 26.7 (97:2:tr:tr:0)
Fluorescence	Nil	

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