



DAILY GEOLOGICAL REPORT

WELL: Glenaire-01 **REPORT No.:** 5 **DAYS FROM SPUD:** 5 **DATE:** 12/06/06
PL: PEP 160 **0000 hrs Depth:** 883 m **LAST DEPTH:** 310 m **PROGRESS:** 573 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 at 990m.

PREVIOUS 24 Hours Operations: Drill ahead to 883m, wiper trip to shoe.

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
448 - 609 16.6 – 0.3 (1.1)	<p>SANDSTONE, (95%) light brown, very fine to occasionally pebble, dominantly coarse to very coarse, subangular to rounded, very poorly sorted, weak silica cement, trace dark brown argillaceous matrix, opaque to milky quartz grains occasionally with yellow to brown staining, trace pyrite, friable, very good inferred porosity, no oil fluorescence.</p> <p>SILTSTONE, (5%) medium brown, very argillaceous, trace very fine off white altered feldspar grains, trace medium brown cryptocrystalline dolomite, trace black carbonaceous flecks, trace pyrite, trace micromica, soft, very dispersive, non fissile.</p>	Nil
Fluorescence	Nil	

609 – 700 12.5 – 0.5 (1.3)	<p>SILTY CLAYSTONE, (95%) light to medium green grey to light to medium brown grey to medium brown, trace very fine altered feldspar grains, trace black carbonaceous flecks, trace micromica, soft, non fissile.</p> <p>SANDSTONE, (5%) light green grey, very fine to fine, dominantly fine, subangular to subrounded, moderately sorted, weak silica cement, abundant off white argillaceous matrix – matrix supported, abundant altered feldspar grains, common to abundant green grey brown red and black volcanogenic lithics, trace quartz grains, rare pyrite, trace black carbonaceous detritus, friable, no visual porosity, no oil fluorescence.</p>	Nil
Fluorescence	Nil	



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700 – 883 3.0 – 153 (45)	<p>SANDSTONE, (10%) light green grey, very fine to occasionally medium, dominantly fine, subangular to subrounded, moderately sorted, moderate silica cement, very weak calcareous cement, abundant off white argillaceous matrix – matrix supported, abundant altered feldspar grains, common to abundant green grey brown red and black volcanogenic lithics, trace quartz grains, trace brown mica flakes, trace pyrite, trace black carbonaceous detritus, friable to moderately hard, no visual porosity, no oil fluorescence.</p> <p>SILTY CLAYSTONE, (90%) light to medium green grey to light to medium brown grey, trace very fine altered feldspar grains, trace black carbonaceous flecks, trace micromica, soft, non fissile.</p>	0.0 – 0.2 (0.1) (100:0:0:0)
Fluorescence Nil		

883-970 14 – 166 (38)	<p>SANDSTONE, 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 brown and red 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> <p>SILTY CLAYSTONE, light to medium green grey to light to medium brown grey, trace very fine altered feldspar grains in part, trace to common black carbonaceous flecks and detritus, trace micromica, rare pyrite, soft, non fissile.</p>	0.0 – 3.0 (1) (100:0:0:0)
Fluorescence		

Fluorescence		

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