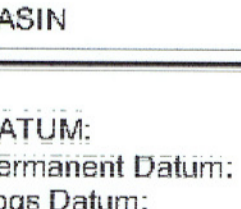




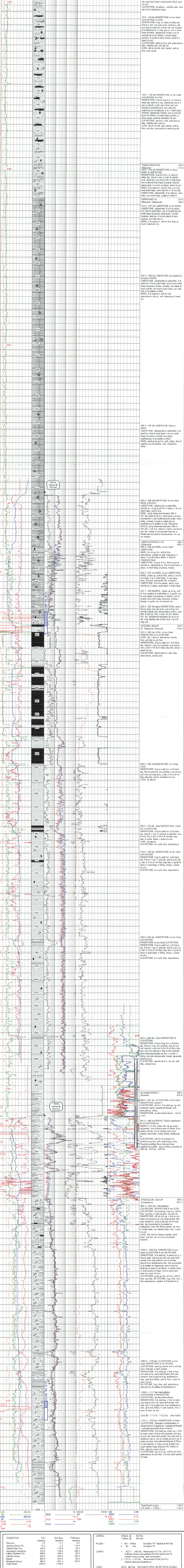
# Lakes Oil N.L. YORK-1

COMPOSITE WELL LOG 1:500



<b>PERMIT:</b>	PEP-158 VIC.	<b>REGION:</b>	YARRUM - VICTORIA	<b>Basin</b>	GIPPSLAND
<b>LOCATION:</b> Latitude Longitude	38°34'57.40"S 146°51'36.99"E	<b>TOTAL DEPTH:</b> Driller: Logger (extrap): DATE:	1200.0m 1196.0m	<b>Datum:</b> Permanent Logs Datum: Drilling Datum: Elevation:	MSL K.B. K.B. 13.2m, 11.2m.
<b>AMG Ref.:</b>	487 829.35E 5 729 515.75N	<b>Spudded:</b> Rig Released: STATUS:	01/03/2002 16/03/2002 Plugged & Abandoned	<b>Interpretation:</b> Geologist: Last Modified:	D.A. Short J.A. Mitchell June 2002
<b>Drilling Co.:</b> Rig:	Sidos Engineering Cardwell HL-195	<b>Wireline Logs:</b> Mudlogging:	Schlumberger Geoservices		

<b>Legend:</b>	Sandstone Siltstone Shale Coal Dolomite	Comglomerate Sandy Limestone Limestone Tuff / volcanics Metamorphics Granite	Calcareous Litic Carbonaceous Glaucous Fossils Chert Oolites	Fluorescence Gas Show Gas Recovery Oil Show Oil Recovery SWC Not Recovered Polymerological Stage Casing Shoe RFT Point	Well Diagrams Cement Plug Dwell Stem Test Perforations Core
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<b>FORMATION</b>	<b>KB (metres)</b>	<b>Sub-Sea (metres)</b>	<b>Thickness (metres)</b>	<b>CASING</b>	<b>24mm @ 433.0m</b>	<b>178mm @ 903.0m</b>
Alluvium	2.0	11.2	8.0	<b>PLUGS</b>	1 827 - 860m	54 sacks "A" Papped at 863.0m
Jemmy's Point Fm	184.0	-170.8	26.0		2 46 - 5m	23 sacks "A"
Gippsland Limestone	210.0	-199.8	258.0	<b>CORES</b>	1 827 - 860m	Recovered 10.77m (13.5%)
Lakes Entrance Fm	488.0	-429.3	83.3			(Latrobe Group coal packed off inner barrel in Latrobe Group sands recovered)
Latrobe Group	332.0	-518.8	332.0			2 1117.8 - 1132.2m
Basalt	884.0	-870.8	30.0			(Highly fractured Sandstone)
Strzelecki Group	984.0	-971.9	225.0	<b>LOGS</b>	404.0 - 883.5m	HALS-MFL-BHC-GR-SR (R to Surface)
Total Depth	1200.0	-1188.8				804.0 - 1191.0m

**Core #1 - 327.7 - 339.2m** Recovered 10.77m (32.5%) (Latrobe Group coal packed off inner barrel in Latrobe Group sands recovered)  
 117.7 - 122.8m MARL Green grey to grey, soft to firm, grades to calcillite in part, trace pyrite, occasional common olivine (trace only) with  
 329.9 - 332.0m GLAUCOUS SANDSTONE green fine to medium, occasional coarse or fine, sub round to round, micritic cement, abundant olivine (0.05%)  
 1122.8 - 1132.2m No core recovered, description from samples collected while logging. Samples contain highly vitrified and brown Claystone / weathered Basalt.  
 532.0 - 538.2m No recovery

**Core #2 - 1117.8 - 1132.2m** Recovered 4.92m (4.4%)  
 1117.8 - 1122.8m Highly fractured Sandstone with white to clear crystalline calcite infill fractures. Fractures dominantly vertical (80%) some near horizontal (Doddin) plane  
 defined by highly calcareous to calcareous near 1118.0m, these above bed dip to be 10°. The Sandstone was medium to dark grey, green grey, yellowish to olive green, common  
 medium-grains, sub angular to sub round, moderately well sorted, moderately to strongly siliceous cement, calcareous cement in part, common greenish grey matrix (dolomite), abundant  
 altered feldspar, common to abundant green and grey brown volcanic lithic grains, trace mica, trace carbonaceous organic, moderately hard, poor to very poor (VH) porosity  
 CLAYSTONE, dark, sub vitreous, moderately hard, brittle in part, sub fissile to occasionally blocky, minor with sub conchoidal fracture  
 SANDSTONE, medium to dark grey, grey brown, firm, sub blocky to sub fissile, conchoidal fracture  
 CLAYSTONE, medium to dark grey, grey brown, firm, sub blocky to sub fissile, conchoidal fracture