

# WINDERMERE-1

Location: Onshore Otway Basin  
 Latitude: 38.13'44.7" S  
 Longitude: 142.00'52.1" E

G.L. Elevation = 49 m  
 Total Depth Drilled (KB) = 1852 m; Depth logged (KB) = 1838 m  
 KB Elevation = 54 m amsl  
 Seismic line reference: OPP85A-645, Sp 645

Completed April, 1987 by Minora Resources N.L.  
 Status = Suspended - oil producer

Lithostratigraphy from Windermere-1 WCR  
 Lithological interpretation by Natalia Liberman (2000)  
 Palynology by R. Morgan (1997)  
 Produced by the Basin Studies Group 10-Oct-2000



Department of  
 Primary Industries

## Lithological legend

<b>Carbonate Lithotypes</b>	<b>Siliciclastic Lithotypes</b>	<b>Others</b>
Limestone	Conglomerate	l'bedded sandstone & mudstone
Limestone, sandy	Sandstone, pebbly	Siltstone
Limestone, dolomitic	Sandstone	Mudstone (shale)
Dolomite	Sandstone, calcareous	Mudstone, calcareous
Dolomite, calcareous	Sandstone, argillaceous	Claystone
Marl	Sandstone, glauconitic	Coal
	"Greensand"	

N.B. Not all lithological patterns in the legend have been used in this wellsheet.

## Accessory minerals legend

C - carbonaceous debris  
 P - pyrite  
 G - glauconite  
 M - mica

Arrowheads indicate SWC range & abundance  
 Patterns indicate cuttings/core range & abundance

trace	common
minor	abundant

## Pristane/Phytane Legend

< 1.5 Anoxic - Subaqueous (lacustrine or marine)  
 1.5 - 3.0 Trans - Transitional environment  
 > 3.0 Oxidic - Subaerial environment

## Palynological scheme legend

**SPORE-POLLEN:**

T. be = T. bellus	DINOFLAGELLATES:
P. tu = P. tuberculatus	W. th = W. thompsonae
N. as = N. asperus	C. in = C. incompositum
P. as = P. asperopolus	H. ta = H. tasmaniense
M. di = M. diversus	D. he = D. heterophlycta
L. ba = L. balmel	A. hy = A. hyperacantha
F. lo = F. longus	A. ho = A. homomorphom
T. li = T. lilliei	E. cr = E. crassitabulata
N. se = N. senectus	T. py = T. pyritifolius
T. ap = T. apoxyxinus	P. py = P. pyrophorum
P. ma = P. mawsonii	M. dr = M. druggii
H. un = H. uniforma (A. di = A. distocarinatus)	I. ko = I. korjaniense
P. pa = P. pannosus	X. au = X. australis
C. pa = C. paradoxa	N. ac = N. aceras
C. st = C. striatus	I. ro = I. rotundatum
C. hu = C. hughesii	I. cr = I. crotaceum
P. no = P. notensis	O. po = O. porifera
F. wo = F. wonthaggiensis	C. st = C. striatocoonus
C. au = C. australiensis	P. in = P. infusorioides
R. wa = R. watheroensis	

N.B. Not all palynological zones in the legend have been used in this wellsheet.

## Hydrocarbon shows/tests legend

Gas show (weak)
Gas show (strong)
Gas zone
Oil show (weak)
Oil show (strong)
Oil zone
Oil/gas show (weak)
Oil/gas show (strong)
Oil fluorescence
CO <sub>2</sub> zone
RFT test

N.B. Not all hydrocarbon symbols in the legend have been used in this wellsheet.

## Palynologists' environments legend

nm - non marine  
 lac - lacustrine  
 est - estuarine

mm - marginal marine  
 ns - nearshore marine  
 om - offshore marine

PALYNOLOGY SAMPLES:  
 ▲ samples from cuttings  
 ▼ samples from SWC, core

N.B. Environments are based on spore-pollen/dino ratios.

