

# MINERVA-2A

Location: Offshore Otway Basin  
 Latitude: 38 43 04.535 S  
 Longitude: 142 57 20.800 E

Water Depth = 59.7 m  
 Total Depth Drilled (KB) = 2170 m; Depth logged (KB) = 2179.77 m  
 KB Elevation = 25.3 m amsl  
 Seismic line reference: OE80A-1056, sp 4067

Completed October 17, 1993 by BHP Petroleum  
 Status = Gas Well - Cased & suspended

Lithostratigraphy by Ciaran Lavin (1997)  
 Lithological interpretation by Natalia Liberman (1998)  
 Palynology by R. Morgan & N. Hooker (1994)  
 Produced by the Basin Studies Group 04-Jun-200



## Lithological legend

<b>Carbonate Lithotypes</b>	<b>Siliciclastic Lithotypes</b>	<b>Others</b>
Limestone	Conglomerate	Extrusive rocks
Limestone, sandy	Sandstone, pebbly	Mafic sills
Limestone, dolomitic	Sandstone	Plutonic rocks
Dolomite	Sandstone, calcareous	Metamorphic rocks
Dolomite, calcareous	Sandstone, argillaceous	
Marl	Sandstone, glauconitic	
	"Greensand"	
		Coal

## Accessory minerals legend

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

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

## Pristane/Phytane Legend

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

## Palynological scheme legend

**SPORE-POLLEN:**

T. be	= T. bellus
P. tu	= P. tuberculatus
N. as	= N. asperus
P. as	= P. asperopolus
M. di	= M. diversus
L. ba	= L. balmei
F. lo	= F. longus
T. li	= T. lillei
N. se	= N. senectus
T. ap	= T. apoxyxinus
P. ma	= P. mawsonii
H. un	= H. uniforma (A. di = A. distocarínatus)
P. pa	= P. pannosus
C. pa	= C. paradoxa
C. st	= C. striatus
C. hu	= C. hugesii
P. no	= P. notensis
F. wo	= F. wonthaggiensis
C. au	= C. australiensis
R. wa	= R. watheroensis

**DINOFLAGELLATES:**

W. th	= W. thompsonae
C. in	= C. incompositum
H. ta	= H. tasmaniense
D. ho	= D. heterophycta
A. hy	= A. hyperacantha
A. ho	= A. homomorphom
E. cr	= E. crasstabulata
T. ev	= T. evittii
P. py	= P. pyrophorum
M. dr	= M. druggli
I. ko	= I. koroljense
X. au	= X. australis
N. ac	= N. aceras
I. ro	= I. rotundatum
I. cr	= I. cretaceum
O. po	= O. porifera
C. st	= C. striatoconus
P. in	= P. infusorioides
C. au	= C. australiensis
R. wa	= R. watheroensis

## Palynologists' environments legend

nm - non marine  
 lac - lacustrine  
 est - estuarine

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

N.B. Not all palynological zones in the legend have been used in this wellsheet.  
 N.B. Environments are based on spore-pollen/dino ratios.

## 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.

