

# MINERVA-1

Location: Offshore Otway Basin  
 Latitude: 38 42 12.23 S  
 Longitude: 142 57 12.34 E

Water Depth = 56.7 m  
 Total Depth Drilled (KB) = 2425 m; Depth logged (KB) = 2431.08 m  
 KB Elevation = 25.3 m amsl

Seismic line reference: OE81A-2028, sp 2232

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

Lithostratigraphy by Geoff Geary (1998)  
 Lithological interpretation by Natalia Liberman (1998)  
 Palynology by A.D. Partridge (1996)  
 Produced by the Basin Studies Group 04-Jun-2000



## Lithological legend

Carbonate Lithotypes	Siliciclastic Lithotypes	Others
Limestone	Conglomerate	'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"	

## Accessory minerals legend

C - carbonaceous debris	trace	common
P - pyrite	minor	abundant
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 Oxidic - Subaerial environment

## Palynological scheme legend

SPORE-POLLEN:	DINOFAGELLATES:
T. be = T. bellus	W. th = W. thompsonae
P. tu = P. tuberculatus	C. in = C. incompositum
N. as = N. asperus	H. ta = H. tasmaniense
P. as = P. asperopolus	D. he = D. heterophycta
M. di = M. diversus	A. hy = A. hyperacantha
L. ba = L. balmi	A. ho = A. homomorphom
F. lo = F. longus	E. cr = E. crassitabulata
T. li = T. lilliei	T. ev = T. evittii
N. se = N. senectus	P. py = P. pyrophorum
T. ap = T. apoxyxenus	M. dr = M. druggii
P. ma = P. mawsonii	I. ko = I. korjenense
H. un = H. uniformis (A. di = A. distocarinate)	X. au = X. australis
R. pa = R. pannosus	N. ac = N. aceris
C. pa = C. paradoxa	I. ro = I. rotundatum
C. st = C. striatus	I. cr = I. cretaceum
C. hu = C. hughesii	O. po = O. porifera
P. no = P. notensis	C. st = C. striatococcus
F. wo = F. wonthaggiensis	P. in = P. infusorioides
C. au = C. australiensis	
R. wa = R. walteroensis	

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

