

# MINERVA-2A

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

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

Completed October, 1993 by BHP Petroleum  
 Status = Gas Well - Cased & suspended  
 Lithostratigraphy by Geoff Geary (1998)  
 Lithological interpretation by Natalya Liberman (1998)  
 Palynology data confidential  
 Produced by the Basin Studies Group 07-Apr-1998



## Lithological legend

Carbonate Lithotypes		Siliciclastic Lithotypes		Others	
	Limestone		Conglomerate		I'bedded sandstone & mudstone
	Limestone, sandy		Sandstone, pebbly		Siltstone
	Limestone, dolomitic		Sandstone		Siltstone, carbonaceous
	Dolomite		Sandstone, carbonaceous		Mudstone (shale)
	Dolomite, calcareous		Sandstone, argillaceous		Mudstone, carbonaceous
	Marl		Sandstone, glauconitic		Mudstone, calcareous
			"Greensand"		Claystone
			Coal		Extrusive rocks
			Mafic sills		Plutonic rocks
			Metamorphic rocks		

## Palynological scheme legend

SPORE-POLLEN:		DINOFAGELLATES:	
T. be = T. bellus	P. tu = P. tuberculatus	C. in = C. incompositum	D. ho = D. heterophycta
N. as = N. asperus	P. as = P. asperopolus	A. hy = A. hyperacantha	A. ho = A. homomorphom
M. di = M. diversus	L. ba = L. balmei	E. cr = E. crassitabulata	T. ev = T. evittii
F. lo = F. longus	T. li = T. lilliei	I. ko = I. korjenense	X. au = X. australis
N. se = N. senectus	P. ap = T. apoxyxinus	N. ao = N. aceris	I. cr = I. cretaceum
P. ma = P. mawsonii	H. un = H. uniforma (A. di = A. distocarinitus)	O. po = O. porifera	C. st = C. striatocanus
P. pa = P. patrosus	C. pa = C. paradoxa	C. hu = C. hughesii	P. in = P. infusoroides
C. st = C. striatus	P. no = P. notensis	F. wo = F. wonthaggiensis	
C. au = C. australiensis	R. wa = R. watheroensis		

## Hydrocarbon shows legend

	Gas show (weak)
	Gas show (strong)
	Gas well
	Oil show (weak)
	Oil show (strong)
	Oil well
	Oil/gas show (weak)
	Oil/gas show (strong)
	Oil fluorescence

## S/W core - recovered

Dino/Spore-pollen legend	Accessory minerals legend
— absent	C - carbonaceous debris (magenta)
◊ moderate	S - shell debris (blue)
◊ very low	G - glauconite (green)
◊ low	M - mica (red)
	arrows indicate SWC range & abundance
	patterns indicate cuttings/core range & abundance

## Accessory minerals legend

Palynologists palaeoenvironments	Spore/pollen zones	Dino zones
non mar.	lac.	estu.
mar.	near mar.	near mar.
	shore	shore

## Palynological environments legend

non mar. - non marine environ.	lac. - lacustrine environment	estu. - estuarine	marg. mar. - marginal marine	nearshore - nearshore marine	offshore - offshore marine
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## Pristane/Phytane Ratio legend

Aqu - Aqueous, lacustrine or marine	Int - Intermediate	Ter - Terrestrial
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