

# LA BELLA-1

Location Offshore Otway Basin  
 Latitude 39 00 14.19S  
 Longitude 142 41 42.9E  
 Water Depth = 94.2 m  
 Total Depth Drilled (KB) = 2735 m  
 KB Elevation = 25.3 m amsl  
 Seismic line reference OE80A-1056, sp 2508  
 Completed February, 1993 by BHP Petroleum  
 Status = Plugged & abandoned; Sub-commercial gas  
 Lithostratigraphy by Geoff Geary (1998)  
 Lithological interpretation by Natalya Liberman (1998)  
 Palynology data confidential  
 Produced by the Basin Studies Group 23-Apr-1998  
 for Enclosure 27, VIMP55



## Lithological legend

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

## Palynological scheme legend

<b>SPORE-POLLEN:</b>	<b>DINOFAGELLATES:</b>
T.be = T. bellus	C.in = C. incompositum
P.tu = P. tuberculatus	D.he = D. heterophlycta
N.as = N. asperus	A.hy = A. hyperacantha
P.as = P. asperopolus	A.ho = A. homomorphom
M.di = M. diversus	E.cr = E. crassitabulata
L.ba = L. balmei	T.ev = T. evittii
F.lo = F. longus	M.dr = M. druggillii
T.li = T. illieii	I.ko = I. korojenense
N.sae = N. senectus	X.au = X. australis
T.ap = T. apoxyxenus	N.ac = N. aceris
P.ma = P. mawsonii	I.cr = I. cretaceum
H.un = H. uniformis (A. di = A. distocarinatus)	O.po = O. porifera
P.pa = P. pannosus	C.st = C. stratosconus
C.pa = C. paradoxa	P.in = P. infusorioides
C.st = C. striatus	
C.hu = C. hughesii	
P.no = P. notensis	
F.wo = F. wonthaggiensis	
C.au = C. australiensis	
R.wa = R. wathercoensis	

## 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	absent	moderate	high	very high
	□	▒	▓	⬛
	□	▒	▓	⬛
	□	▒	▓	⬛

## Accessory minerals legend

C - carbonaceous debris (magenta)	□	trace	▒	common
S - shell debris (blue)	□	minor	▓	abundant
G - glauconite (green)	□			
M - mica (red)	□			

## Palynological environments legend

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

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