

# CASTERTON-2

Location: Onshore Otway Basin  
 Latitude: -37.6491259 S  
 Longitude: 141.2217981 E

G.L. Elevation = 66 m  
 Total Depth Drilled (KB) = 1526 m; Depth logged (KB) = m  
 KB Elevation = 67 m amsl  
 Seismic line reference: OBR88A-20, 345m SSE of vp 402

Completed October, 1967 by Planet Exploration Co. P.L.  
 Status = Plugged & abandoned

Lithostratigraphy by Ciaran Lavin, 1996  
 Lithological interpretation  
 Palynology by A. Partridge, 1995

Produced by the Basin Studies Group 04-Jun-200



## 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	W. th = W. thompsonae
P. tu = P. tuberculatus	C. in = C. incompositum
N. as = N. asperus	H. ta = H. tasmanense
P. as = P. asperopolus	D. he = D. heterophylcta
M. di = M. diversus	A. hy = A. hyperacantha
L. ba = L. balmei	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. apoxyxinus	M. dr = M. druggii
P. ma = P. mawsonii	I. ko = I. korojenense
H. un = H. uniforma (A. di = A. distocaratus)	X. au = X. australis
P. pa = P. pannosus	N. ac = N. aceras
C. pa = C. paradoxus	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. wa = F. wonthaggiensis	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

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

