

PECTEN-1A

Location: Offshore Otway Basin
 Latitude: 38 40 41.0 S
 Longitude: 142 39 56.0 E

Water Depth = 62.5 m
 Total Depth Drilled (KB) = 2850 m; Depth logged (KB) = 2856.89 m
 KB Elevation = 34.15 m amsl
 Seismic line reference: OE80A-1020, near sp 3627

Completed June 14, 1967 by the Shell Company of Australia
 Status = Plugged & abandoned

Lithostratigraphy by Geoff Geary (1998)
 Lithological interpretation by Natalia Liberman (1998)
 Palynology by Morgan (1986), Partridge (1996)
 Produced by the Basin Studies Group 04-Jun-2000



Lithological legend

- | | | |
|-----------------------------|---------------------------------|-------------------|
| Carbonate Lithotypes | Siliciclastic Lithotypes | Others |
| 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" | |

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 Oxidic - 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. lilliei
 N. se = N. senecus
 T. ap = T. apoxyxenus
 P. ma = P. mawsonii
 H. un = H. uniformis (A. di = A. distocarinatus)
 P. pa = P. pannosus
 C. pa = C. paradoxa
 C. st = C. striatus
 C. hu = C. hughesii
 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. tasmaniensis
 D. he = D. heterophlycta
 A. hy = A. hyperacantha
 A. ho = A. homomorphom
 E. cr = E. crassitabulata
 T. ev = T. evittii
 P. py = P. pyrophorum
 M. dr = M. druggii
 I. ko = I. korojenense
 X. au = X. australis
 N. ac = N. aceris
 I. ro = I. rotundatum
 I. cr = I. crataecum
 O. po = O. porifera
 C. in = C. striatoconus
 P. in = P. infusorioides

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
- ☉ CO₂ zone
- RFT test

