

# CONAN-1

Location: Offshore Otway Basin  
 Latitude: 38 52 14.95 S  
 Longitude: 142 46 52.22 E

Water Depth = 70 m  
 Total Depth Drilled (KB) = 1985 m; Depth logged (KB) = 1967.48 m  
 KB Elevation = 25.3 m amsl  
 Seismic line reference: OH94-246, sp 1147

Completed August 5, 1995 by BHP Petroleum  
 Status = Plugged & abandoned

Lithostratigraphy by Geoff Geary (1998)  
 Lithological interpretation by Natalia Liberman (1998)  
 Palynology by A.D. Partridge (1997)  
 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 Oxid - 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. tasmaniense    |
| 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. korojense      |
| H. un = H. uniforma (A. di = A. distocarinus) | X. au = X. australis      |
| P. pa = P. 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. nolensis                           | C. st = C. striatoconus   |
| F. wo = F. worthaggiensis                     | P. in = P. infusoides     |
| C. au = C. australiensis                      |                           |
| 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.

