

**TRITON-1**  
 Location Offshore Otway Basin  
 Latitude 38 58 59.95S  
 Longitude 142 31 48.94E  
 Water Depth = 100 m  
 Total Depth Drilled (KB) = 3545 m  
 KB Elevation = 21 m amsl  
 Seismic line reference 1039, sp 2570  
 Completed March 1982 by Esso Australia Ltd  
 Status = Plugged & abandoned  
 Lithostratigraphy by Geoff Geary (1998)  
 Lithological Interps by Natalya Liberman (1998)  
 Palynology by Stacy (1982)  
 Produced by the Basin Studies Group 06-Mar-98 for  
 Enclosure 24 VIMP 55



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

- Palynological scheme legend**
- SPORE-POLLEN:**  
 T.be = T. bellus  
 T.tu = T. tuberculatus  
 N.as = N. asperus  
 P.as = P. asperopodus  
 M.di = M. diversus  
 L.ba = L. balmei  
 F.lo = F. longus  
 N.se = N. senectus  
 T.ap = T. apoxyxenus  
 P.ma = P. mawsonii  
 H.un = H. uniformis (A. di = A. distocarinatus)  
 P.pa = P. pannosus  
 C.pa = C. parvifera  
 C.st = C. striatus  
 C.hu = C. hughesii  
 P.no = P. notensis  
 F.wa = F. worthaggeniensis  
 C.au = C. australiensis  
 R.wa = R. watheroensis
- DINOFAGELLATES:**  
 C.in = C. incompositum  
 D.he = D. heterophlycta  
 A.hy = A. hyperacantha  
 A.ho = A. homomorphum  
 E.cr = E. cressatibulata  
 T.ev = T. evittii  
 M.dr = M. droggii  
 I.ko = I. korjense  
 X.au = X. australis  
 N.ac = N. aceris  
 I.cr = I. crataecum  
 O.po = O. porifera  
 C.st = C. striatoconus  
 P.in = P. infusorioides

- 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

- Palynological environments legend**
- non mar. - non marine environ.
  - lac. - lacustrine environment
  - estu. - estuarine
  - marg. mar. - marginal marine
  - nearshore - nearshore marine
  - offshore - offshore marine

- Pristane/Phytane Ratio legend**
- Aqu - Aqueous, lacustrine or marine
  - Int - Intermediate
  - Ter - Terrestrial

