

CONGER-1

Location: Offshore Gippsland Basin
 Latitude: 38 21 27.7 S
 Longitude: 148 03 46.3 E

Total Depth Drilled (KB) = 2970 m; Depth Logged (KB) = 2971.495 m
 KB Elevation = 21 m amsl
 Seismic line reference: G92A-3062, sp 2280.9 & G92A-3014 sp 2400.1

Completed March 19th, 1989 by Esso Exploration and Production
 Status = Plug and Abandon

Lithostratigraphy from Well Completion Report
 Lithological interpretation by Jim Driscoll (2001)
 Palynology by A. D. Partridge (1989)

Produced by the Basin Studies Group 08-May-01



Lithological legend

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

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. asperoporus |
| M. di | = M. diversus |
| L. ba | = L. balmei |
| F. lo | = F. longus |
| T. li | = T. lilliei |
| N. se | = N. senectus |
| T. ap | = T. apoxyxenus |
| P. ma | = P. mawsonii |
| H. un | = H. uniformis (A. di = A. distocarinitus) |
| P. pa | = P. pannosus |
| C. pa | = C. paradoxa |
| C. st | = C. striatus |
| C. hu | = C. hughesii |
| P. no | = P. notensis |
| F. wo | = F. worthaggenensis |
| 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. crassitabulata |
| T. ev | = T. evittii |
| M. dr | = M. druggii |
| I. ko | = I. korojense |
| X. au | = X. australis |
| N. ac | = N. aceris |
| I. ro | = I. rotundatum |
| I. cr | = I. cretaceum |
| O. po | = O. porifera |
| C. st | = C. striatoconus |
| P. in | = P. infusoroides |
- 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
 - CO₂ 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
- Palynology Samples
- M. di - Samples from core, swc
 - M. di - Samples from cuttings
- N.B. Environments are based on spore-pollen/dino ratios and/or WCR text

