

LINDON-1

Location: Onshore Otway Basin
 Latitude: 38 04 05.5 S
 Longitude: 141 30 54.7 E

GL Elevation = 63.3 m
 Total Depth Drilled (KB) = 3011 m; Depth logged (KB) = 3009.94 m
 KB Elevation = 69.8 m amsl
 Seismic line reference: OB83A-226, sp 532.5

Completed January 5, 1984 by Beach Petroleum N.L.
 Status = Plugged & abandoned, oil shows
 Lithostratigraphy by Andrew Constantine (1999)
 Lithological interpretation by Natalia Liberman (1998)
 Palynology by R. Morgan (1996), A.D. Partridge (1997)
 Produced by the Basin Studies Group 04-June-200



Enclosure 16
 VIMP Report 62
 K. Mehin & A. Constantine 1999

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" | |
- l'bedded sandstone & mudstone**
Mudstone (shale)
Mudstone, calcareous
Claystone
Coal

Palynological scheme legend

- SPORE-POLLEN:**
- | | |
|-------|--|
| T. ba | = T. baileyi |
| N. as | = N. asperus |
| P. as | = P. asperopulus |
| M. di | = M. diversus |
| L. ba | = L. baileyi |
| F. lo | = F. longus |
| T. li | = T. lilliei |
| N. se | = N. senectus |
| T. ap | = T. apoxyxenus |
| P. ma | = P. mawsonii |
| N. un | = N. 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. worthaggeniensis |
| C. au | = C. australiensis |
| R. wa | = R. watheroensis |
- DINOFLAELLATES:**
- | | |
|-------|----------------------|
| W. th | = W. thompsonae |
| C. in | = C. incompositum |
| H. ta | = H. tasmaniense |
| D. he | = D. heterophlycta |
| A. hy | = A. hyperacantha |
| A. ho | = A. homomorphom |
| E. cr | = E. crassilabellata |
| T. ev | = T. evittii |
| F. py | = F. pyrophorum |
| M. dr | = M. druggii |
| I. ko | = I. korojensense |
| 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 |
- Palynologists' environments legend**
- | | | | |
|-----|--------------|----|--------------------|
| nm | = non marine | mm | = marginal marine |
| lac | = lacustrine | ns | = nearshore marine |
| est | = estuarine | om | = offshore marine |
- Pristane/Phytane Legend**
- | | |
|-----------|--|
| < 1.5 | Anoxic - Subaqueous (lacustrine or marine) |
| 1.5 - 3.0 | Trans - Transitional environment |
| > 3.0 | Oxic - Subaerial environment |
- N.B.** Not all lithological patterns in the legend have been used in this wellsheet.
N.B. Not all palynological zones in the legend have been used in this wellsheet.
N.B. Environments are based on spore-pollen/dino ratios.

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 ₂ zone |
| ♅ | RFT test |
- N.B.** Not all hydrocarbon symbols 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

Pristane/Phytane Legend

- | | |
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