

NW

SE

LAIRA - 1

KATNOOK - 1

HEATHFIELD - 1

McEACHERN - 1

TULLICH - 1

CASTERTON - 1

KB = 68.6m

KB = 68.6m

KB = 74.4m

KB = 81.13m

KB = 83m

KB = 144m

10 Kms

40 Kms

7 Kms

6 Kms

19 Kms

Datum :
Sea Level

Datum :
Sea Level

WANGERRIP GROUP

CONDENSED SHERBROOK GROUP

EUMERALLA FORMATION

EUMERALLA FORMATION

SHALE UNIT

PRETTY HILL FORMATION

SHALE - SAND UNIT
Trace - Common,
Pink - medium red Garnet

BASAL SAND

CASTERTON FORMATION

PRETTY HILL FORMATION
SHALE UNIT

BASE EUMERALLA SAND

T.D. = 2520m

PALYNOLOGY : MORGAN, 1988

| DST No. | INTERVAL (Metres) | RECOVERY |
|---------|-------------------|---|
| 1 | 1882.0 - 1885.0m | Flowed gas at 1.8MMCFD/FWHP = 340psi on 1/2" choke. Rec. 27m of muddy water + 487m of gas cut water. |
| 2 | 1882 - 1885m | Flowed gas at 6.1MMCFD/FWHP = 1225psi on 1/2" choke. Rec. 153m water. R _w = 0.26ohms at 25°C, together with trace of oil/condensate. |
| 3 | 1887 - 1884m | Flowed G.T.S. at rate TSTM + full string of water R _w = 0.31ohms at 25°C. |

PRODUCTION TEST

| | | |
|---|----------------|---|
| 1 | 1882 - 1884.5m | (Part) Well flowed gas with an absolute open flow rate of at least 7.0MMCFD. See W.C.R. |
|---|----------------|---|

T.D. = 3003m

PALYNOLOGY : MORGAN, 1990

No further information currently available.

T.D. = 2286m

PALYNOLOGY : MORGAN, 1988

| DST No. | INTERVAL (Metres) | RECOVERY |
|---------|-------------------|--|
| 1 | 1115 - 1144.2m | 24.4m drilling mud. |
| 2 | 1243 - 1263.1m | 121.9m muddy gassy salt water + 1065.1m of gassy salt water. |
| 3 | 1709.3 - 1720m | 3.0m of drilling mud. |

T.D. = 2384m

PALYNOLOGY : MORGAN, 1990

| DST No. | INTERVAL (Metres) | RECOVERY |
|---------|-------------------|--|
| 1 | 1445.7 - 1456m | 4166m of salty, gassy water and 986m of slightly muddy, gassy water R _w = 0.25ohms at 82°C. |

T.D. = 1634m

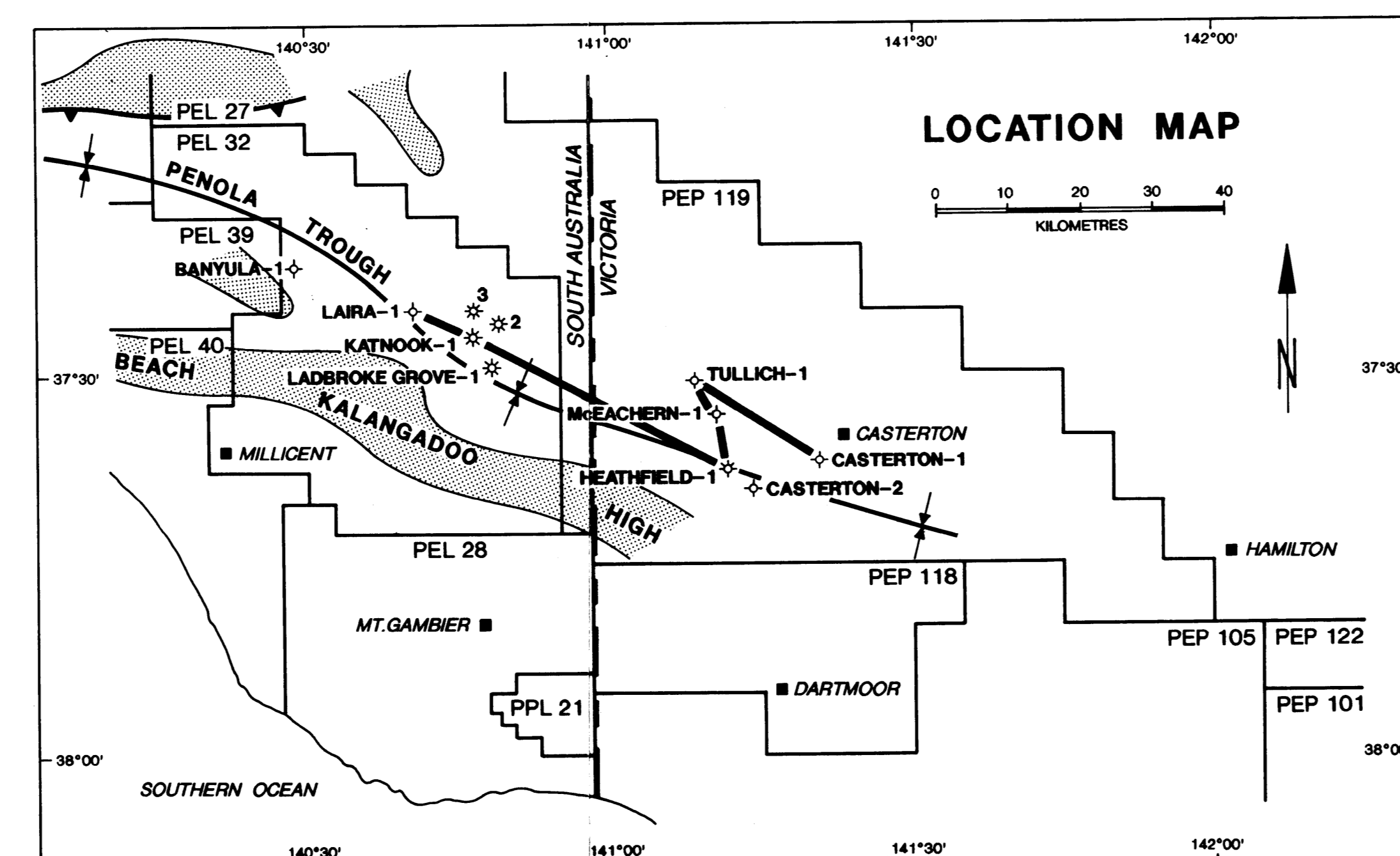
PALYNOLOGY : MORGAN, 1989

| DST No. | INTERVAL (Metres) | RECOVERY |
|---------|-------------------|--|
| 1 | 486.5 - 497.1m | 40m of brackish water cut mud |
| 2 | 635.5 - 643.1m | 40m of brackish water cut mud |
| 3 | 898.2 - 908.9m | 457m of gassy salt water. |
| 4 | 1134.2 - 1154m | 192.4m very gassy salt water cut mud + 963.2m very gassy salt water. |
| 5 | 1255.8 - 1275.6m | 4.6m drilling mud. |
| 6 | 1487.8 - 1487.4m | 137.2m muddy gassy salt water. |
| 7 | 1517.9 - 1537.7m | 121.9m muddy gassy salt water. |

T.D. = 2494m

PALYNOLOGY : MORGAN, 1986 & 1989

| DST No. | INTERVAL (Metres) | RECOVERY |
|---------|-------------------|--|
| 1 | 584.7 - 614.5m | 61m salt water cut mud + 442m very slightly gassy salt water. R _w = 0.53ohms at 70°F. |
| 2 | 720.9 - 740.7m | Mis-run (Packer failed) |
| 3 | 1164.9 - 1175.9m | 6.1m of drilling mud. |
| 4 | 1403.6 - 1423.4m | 12.2m of drilling mud. |
| 5 | 1471.6 - 1490.3m | 38.6m of drilling mud. |
| 6 | 1520.5 - 1549.8m | 1447.8m of salt water. R _w = 0.24ohms at 73°F |
| 7 | 1588.3 - 1610m | 668.4m muddy salt water. R _w = 0.24ohms at 73°F |
| 8 | 1953.5 - 1983.5m | 36.6m salt water cut mud. |
| 9 | 2116 - 2132.1m | 82.3m mud + 274.3m muddy salt water |

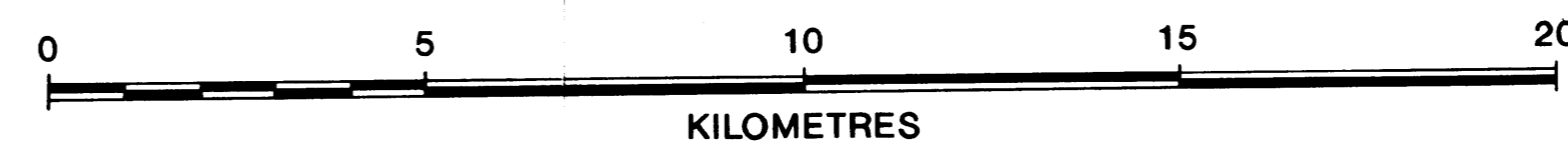


LEGEND

- ▲ SIDE WALL CORE (RECORDED)
- △ SIDE WALL CORE (NOT RECORDED)
- CONVENTIONAL CORE
- ⊙ DST No., INTERVAL
- GARNET
- ~ UNCONFORMITY
- ⚡ GAS WELL
- ⚡ GAS SHOW
- ⊕ DRY HOLE (P & A)
- ⊕ SAND
- ⚡ FAULT
- ⊕ TROUGH

VERTICAL SCALE 1 : 4,000

HORIZONTAL SCALE 1 : 100,000



GAS AND FUEL EXPLORATION N.L.
OTWAY BASIN
WELL LOG CORRELATION
LAIRA-1, KATNOOK-1, HEATHFIELD-1,
McEACHERN-1, TULLICH-1
AND CASTERTON-1

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SCALE : AS SHOWN
APPROVED BY :

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