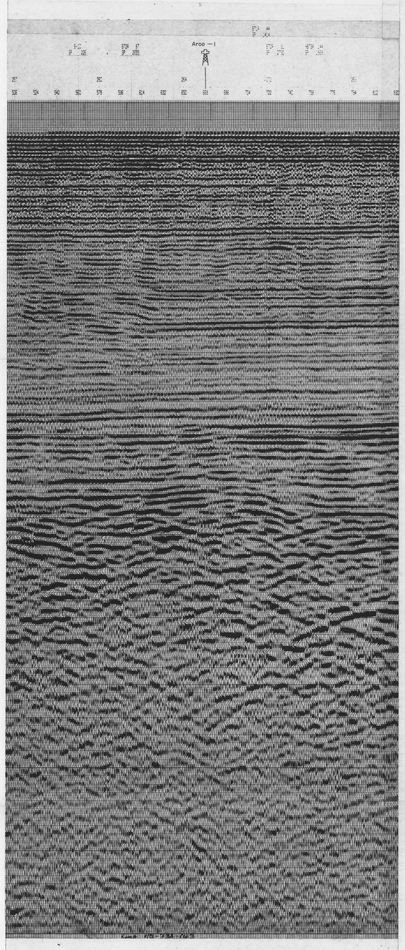
Appendix 6 B

374091



K.B. = +32·0' M.S.L.
DATUM = Sea Level.

ONE WAY TRAVEL TIME IN SECONDS

0·1 0·2 0·3 0·4 0·5 0·6 0·7 0·8 0·9 1·0 1·1 1·2 1·3 1·4 1·5 1·6 1·7 1·8 1·9
0·2 0·4 0·6 0·8 1·0 1·2 1·4 1·6 1·8 2·0 2·2 2·4 2·6 2·8 3·0 3·2 3·4 3·6 3·8

VERTICAL REFLECTION TIME IN SECONDS

SONIC CALIBRATION in M secs
-40 -30 -20 -10 0 +10

5 cm

Seabed

1,000'
2,000'
3,000'
4,000'
5,000'
6,000'
7,000'
8,000'
9,000'
10,000'
11,000'
12,000'
13,000'
14,000'

2,910'
5,618'
6,808'
7,360'
7,890'
8,500'
9,218'
9,638'
9,700'
10,313'
11,140'
11,518'
12,068'

VERTICAL DEPTH BELOW WELL SEISMOMETER DATUM

Interval velocities derived from Sonic Log (M.M. Nicol, Hematite Petroleum Pty. Ltd.)

Top Demons Bluff Formation

Top Eastern View Coal Measures

Red Horizon

Brown Horizon

Average Velocity Vs. Time

Average Velocity Vs. Depth

Interval velocities derived from well velocity survey (Austral United Geophysical Pty. Ltd.)

Total Depth Time Vs. Depth

VELOCITY IN FEET PER SECOND

5,000 6,000 7,000 8,000 9,000 10,000 11,000 12,000 13,000 14,000 15,000 16,000 17,000 18,000 19,000 20,000 21,000 22,000 23,000 24,000

1,000
2,000
3,000
4,000
5,000
6,000
7,000
8,000
9,000
10,000
11,000
12,000
13,000

VELOCITY IN FEET PER SECOND

WELL VELOCITY DETERMINATION

HEMATITE PETROLEUM Pty. Ltd.

AROO No1.

Latitude 39° 47' 31" S

Longitude 145° 26' 51" E

AUSTRAL UNITED GEOPHYSICAL Pty. Ltd.

Party 86 27 March and 20 April 1974.

* Seismic Times

SONIC LOG UNRELIABLE — HOLE CAVED (TD 12,068' - 4500')

TIE (2840)

CUMULATIVE CORRECTION PLOT (SEISMIC TIME MINUS SONIC TIME VERSUS DEPTH)

-40 -30 -20 -10 0 +10
— Milliseconds —

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