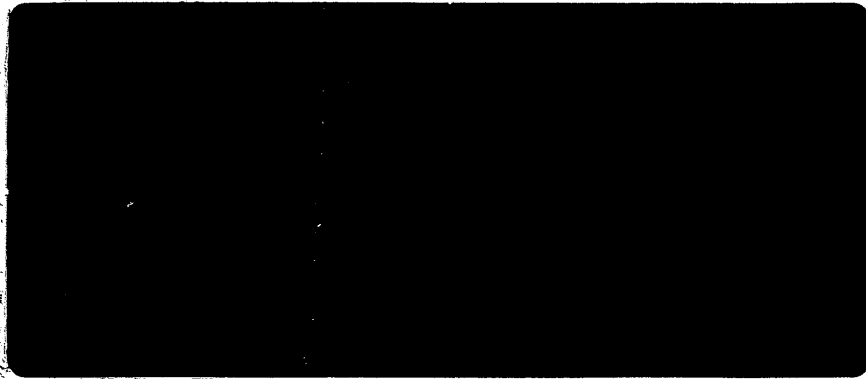


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DEPT. NAT. RES & ENV



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WCR

NORTH PAARATTE-2

**BEACH PETROLEUM**

W736

BEACH PETROLEUM N.L.

NORTH PAARATTE NO.2

WELL COMPLETION REPORT

2 8 APR 1981

**OIL and GAS DIVISION**

Prepared by D.M. Harrison and S.S. Derrington

February, 1981

Distribution: Beach 2  
Department of Minerals and Energy 1

SUMMARY

*Drilled  
8 months  
after?  
N. Paaratte  
No. 3*

North Paaratte No.2 was drilled over a 17½ day period from 21st January, 1981 to the 8th February, 1981 as a step-out to the North Paaratte No.1 Waarre Formation gas discovery.

The well, which proved the easterly extension of the gas bearing Waarre Formation on the North Paaratte structure, was completed with production casing, tubing and a Christmas tree as a potential producer. Further work is required before it can be determined if the gas discovered on the North Paaratte structure will prove commercially viable.

*6.2 m  
lower than  
N.P.#1  
5.6 m  
lower  
than N.P.#2  
(net)*

Two successive cores, which bridge the top Waarre Formation were cut recovering both seal and reservoir lithologies. Upon recovery, the sandstone of the Waarre Formation had a strong gassy odour. The extent of the gas was defined on the electric log suite. Two open hole drill stem tests were attempted to test the top Waarre Formation, but both were unsuccessful due to packer seat failure. Two formation interval tests in the top Waarre Formation recovered gas.

Initial production testing established that the well's Open Flow Potential is 95 MMCFD; condensate production is at the rate of at least 2.5 bbl. per MMCF.

The well was drilled with O.D. & E's rig 8, an Ideco Rambler H35 drilling rig, with the following contract services:-

|                  |   |                       |
|------------------|---|-----------------------|
| Halliburton      | - | Cementing and Testing |
| Schlumberger     | - | Electric Logging      |
| Go International |   | Production Testing    |
| Exlog            |   | Mud Logging           |
| Christensen      |   | Diamond coring        |

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1. PURPOSE OF WELL

North Paaratte No.1 was a significant gas discovery which flowed gas at a stabilised flow of 9.5 MMCFD (269,000 cubic metres per day) on production test without any formation pressure decline.

North Paaratte No.2 was selected as a step-out well on the same structure. A location was selected near the high point of the structure some 1.6 kilometres east of North Paaratte No.1 and with the expectation of intersecting the Waarre Formation reservoir some 15 metres (50 feet) higher.

2. GENERALISED STRATIGRAPHY OF THE PORT CAMPBELL EMBAYMENT

| <u>Age</u>       | <u>Group</u>      | <u>Formation</u>        |
|------------------|-------------------|-------------------------|
| Tertiary         | Heytesbury        | Port Campbell Limestone |
|                  |                   | Gellibrand Marl         |
|                  |                   | Clifton Formation       |
|                  | Nirranda          | Narrawaturk Marl        |
|                  | Mepunga Formation |                         |
| Upper Cretaceous | Wangerrip         | Dilwyn Formation        |
|                  |                   | Pember Mudstone         |
|                  |                   | Pebble Point Formation  |
|                  | Sherbrook         | Paaratte Formation      |
|                  |                   | Nullawarre Greensand    |
| Lower Cretaceous | Otway             | Belfast Formation       |
|                  |                   | Flaxman Formation       |
|                  |                   | Waarre Formation        |
|                  |                   | Eumeralla Formation     |

3. WELL HISTORY3.1 Location (Refer Figures 1 and 2)

The well; located as near as was practicable to Shot Point No. 154, line PCH 80-18 of the Beach 1980 Port Campbell High Seismic Survey, was on Crown Allotment 12, Section 9, Parish of Paaratte, County of Heytesbury owned by P.R. & L. Sissons (Refer Figures 1 and 2).

It is on the east side of the gravelled North-South Road 1.4 km. south of Paaratte Corner.

The approximate geographical co-ordinates are:-

142° 58' 19" E

38° 33' 07" S

3.2 General Date(i) Well Name and Number

Beach North Paaratte No.2.

(ii) Petroleum Title

Petroleum Exploration Permit No.93, Victoria.

(iii) District

1:250,000 map sheet: Colac, sheet: SJ54-12; part of the Western District of Victoria.

(iv) Elevation

Ground Level: 117 m. (384 ft.) above mean sea level  
Kelly Bushing (datum) 120.2 m. (394.5 ft.) above mean sea level.

(v) Total Depth

|               |          |            |
|---------------|----------|------------|
| Driller:      | 1603.7 m | (5260 ft.) |
| Schlumberger: | 1604.6 m | (5264 ft.) |

(vi) Date Drilling Commenced

21 January, 1981 at 1900 hours.

(vii) Date Total Depth Reached

8 February, 1981 at 0730 hours.

(viii) Date Rig Released

15 February, 1981 at 1100 hours.

(ix) Drilling Time in Days to Total Depth

17½ days

(x) Status

Completed and suspended as a potential producing gas well.

3.3 Drilling Data3.3.1 Rig

Ideco H-35; details of this rig are contained in Appendix 1.

3.3.2 Drilling Contractor

O.D. &amp; E. Pty. Ltd., 50 Bridge Street, Sydney, N.S.W. 2000.

3.3.3 Casing and Cementing Details(i) Conductor

|        |                        |
|--------|------------------------|
| Size   | 19½ inch               |
| Set at | 7.6 m (25 ft.)         |
| Cement | 25 sacks, construction |

(ii) Surface Casing

|              |  |
|--------------|--|
| Size         | 9 5/8 inch                                 |
| Weight       | 36 lb.                                     |
| Grade        | J55  |
| Range        | 3  |
| Coupling     | S.T. & C.                                  |
| Centralisers | at 324, 348 m (1064, 1142 ft)              |
| Insert valve | at 348 m (1142 ft)                         |
| Shoe         | at 360 m (1182 ft)                         |
| Cement       | 437 sacks, construction<br>15.5 ppg slurry |
| Cemented to  | Surface with good returns                  |
| Method       | Double plug displacement                   |
| Equipment    | Halliburton Twin T-10 pump truck.          |

(iii) Production Casing

|          |                              |
|----------|------------------------------|
| Size     | 7 inch                       |
| Weight   | 26 and 23 lb.                |
| Grade    | N80 and J55                  |
| Range    | 2 and 3                      |
| Coupling | Extremeline S.T. & C.        |
|          | This string comprised -      |
|          | Guide shoe                   |
|          | 1 joint J55 23 lb S.T. & C.  |
|          | Float collar                 |
|          | Cross over sub               |
|          | 166 joints N80 26 lb Xline   |
|          | Cross over sub               |
|          | 2 joints J55 23 lb S.T. & C. |



|                       |  |
|-----------------------|--|
| Centralisers          | at 1439, 1458, 1486, 1505<br>1524, 1542 m (4721, 4785,<br>4876, 4938, 4999, 5060 ft) |
| Float Collar          | at 1589 m (5214 ft)  |
| Shoe                  | at 1601 m (5255 ft)  |
| Cement                | 210 sacks, construction<br>15.5 ppg slurry   |
| Cemented to<br>Method | 982 m (3220 ft)<br>Double plug displacement bumped<br>plug with 1750 psi.            |
| Equipment             | Halliburton Twin T-10 pump<br>truck.   |

### 3.3.4 Drilling Fluid

#### (i) 12½ inch hole

The mud used during this drilling phase had the following range of properties:-

SG 1.08 to 1.13  
Visc 33 to 35 sec.  
Filtrate 10.5 to 13.0 ml.  
Cake 2 mm  
pH 7 to 9.5

Mud rings continued to be troublesome whilst drilling the Gellibrand Marl.

#### (ii) 8½ inch hole

Upon drilling out cement, the mud was watered back and treated with sodium bicarbonate. Prior to coring the Waarre Formation, the mud had the following properties:-

SG 1.13  
Visc 37 sec.  
Filtrate 8.4 ml.  
Cake 2 mm  
pH 7.5  
Sand ¼%

These properties were maintained to total depth. Few hole problems were experienced during the drilling of the 8½ inch hole.

It was found however that at a mud pH of 9.5, hydrogen was being formed by the reaction of caustic soda with the aluminium drill pipe. To minimise this effect, which affected the mud-gas logging, the pH was reduced to 7 to 7.5. At this level, both the ligmo sulphonate and carboxymethyl cellulose were not particularly effective and some fermentation of the mud occurred resulting in the formation of sulphides.

Should this problem recur in future drilling, the pH must be maintained at 9.5 and due allowances made by the mud-logging crew.

### 3.3.5 Water Supply

Drilling water was obtained from the Port Campbell-Timboon pipeline which was contiguous to the well site. Particularly in the early stages of drilling, the supply was restricted to 10,000 gpd due to heavy domestic demand caused by the unbroken hot and dry weather.

### 3.3.6 Perforations

The 7 inch production casing was perforated from 1469 to 1475 m (4819 to 4839 ft.) with 4 shots per foot using Schlumberger Hyperjet II end loaded 4 inch guns.

### 3.3.7 Production Tubing

A production string comprising:-

Catcher sub  
 Otis Type 'XN' Nipple  
 1 joint 2 7/8 inch J55 6.5 pound tubing  
 Otis Hydraulic Packer  
 1 joint 2 7/8 inch J55 6.5 pound tubing  
 Otis Sliding Side Door sub  
 161 joints reduced to 148 joints  
 J55 6.5 pound Tubing

was run to approximately 1573 m (5160 ft). The drilling mud was displaced with a completion fluid; thereafter the packer was pulled back and set at 1440 m (4726 ft).

### 3.3.8 Completion Fluid

A calcium chloride brine with S.G. 1.04 and treated with a corrosion inhibitor (Correxit 7720) was used.

### 3.3.9 Christmas Tree Details

See Appendix 6.

## 3.4 Formation Sampling and Testing

### 3.4.1 Cuttings

Representative lagged cuttings samples were taken as follows:

20 m to 1200 m every 10 m.  
1200 m to 1400 m every 5 m.  
1400 m to 1603 m (T.D.) every 3 m.

The cuttings description sheets are enclosed as Appendix 2.

Samples were washed clean of drilling mud. Three splits were made, an air dried and oven dried sample for Beach Petroleum N.L. and an oven dried sample for the Department of Minerals and Energy.

#### 3.4.2 Cores

Two successive cores were cut using a new Christensen C22 face discharge bit and a 60 foot (18m) core barrel. In each case coring was limited to less than 18 m due to jamming of the core barrel.

Core No.1 was cut from 1459.0 m to 1469.15 m\* (10.15 m) and recovered 10.13 m of core. (Recovery 99.8%).

Core No.2 was cut from 1469.15 m to 1478.0 m\* (8.85 m) and recovered 4.91 m of core. (Recovery 55.5%).

For analytical purposes, five samples were taken from the Waarre Formation sand in Core No.1 and three samples were taken from Core No.2. In Core No.1 a 4" sample was taken approximately every foot in order to give reliable statistical results. At the base of Core No.1 and for all of Core No.2 it was not possible to sample every foot as the core recovery was mostly just loose sand. The three samples taken from Core No.2 were collected from the only consolidated portions of the recovered core.

Each sample was wrapped in 'glad wrap', then wrapped in 'alfoil', labelled and dipped in seal peel. The samples were then dispatched to CORELAB in Perth for analysis.

The results of the analyses and core descriptions are included as Appendix 3.

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\* Note: These depths are drilled depths. Top Waarre Formation in the core was 1467.06 m (refer Appendix 3), whereas top Waarre Formation on the logs is 1469 m. This 2 metre mistie is referred to in Section 5.2. The solution to the mistie is best achieved by matching the coal bed within the Flaxmans Formation in the core with the log character of coal on the Sonic Log.

3.4.3 Tests

(i) Drill Stem Tests

Two open hole drill stem tests were run

Drill Stem Test No.1

Interval Tested: 1462 m - 1478 m (4797 to 4849 ft.)  
Packers Set at: 1460 m and 1462 m with  
no cushion.  
Recovery: Nil. The tool opened but  
the anchor pipe blocked  
together with partial to  
complete packer seat failure.  
Pressures: Only hydrostatic pressures  
recorded.

Drill Test No.2

Interval Tested: 1444 m - 1478 m (4739 to 4849 ft.)  
Packers Set at: 1442 m and 1444 m with no  
cushion.  
Recovery: Nil. The tool opened but  
the packer seat failed.  
Pressures: Only hydrostatic pressures  
recorded.

(ii) Wireline Tests

Two tests and five pressure readings were made during  
the one run in the hole with the Schlumberger Repeat  
Formation Tester (RFT).

RFT No.1

|                          |         |  |
|--------------------------|---------|--|
| Depth                    | 1481 m  | (4859 ft)                                |
| Initial Shut In          | 1 min.  |  |
| Sampling Time            | 17 min. |  |
| Final Shut In            | 10 min. |  |
| Initial Shut In Pressure |         | 1973.5 psi                               |
| Initial Flow Pressure    |         | 1825 psi                                 |
| Final Flow Pressure      |         | 1973 psi                                 |
| Final Shut in Pressure   |         | 1973 psi                                 |
| Hydrostatic Pressure     |         | 2374 psi                                 |
| Surface Chamber Pressure |         | 1650 psi                                 |
| Choke size               |         | 1 x 0.020 in                             |
| Recovered                |         | 40 cu ft gas<br>500 ml water<br>and mud. |

RFT No.2

|                          |                                       |
|--------------------------|---------------------------------------|
| Depth                    | 1473 m (4833 ft)                      |
| Initial Shut In          | 2.5 min.                              |
| Sampling Time            | 13.5 min.                             |
| Final Shut In            | 8 min.                                |
| Initial Shut In Pressure | 1972.5 psi                            |
| Initial Flow Pressure    | 1942 psi                              |
| Final Flow Pressure      | 1972 psi                              |
| Final Shut in Pressure   | 1972 psi                              |
| Hydrostatic Pressure     | 2340 psi                              |
| Surface Chamber Pressure | 1650 psi                              |
| Choke Size               | 0.020 in                              |
| Recovered                | 37 cu ft gas<br>< 10 ml mud and water |

Pressure Readings (Initial Shut in Pressure)

| Depth          | Pressure   | Build Up Time        |
|----------------|------------|----------------------|
| 1500 m (4921') | 1993 psi   | 3 mins.              |
| 1490 m (4888') | 1979 psi   | 0.5 mins.            |
| 1484 m (4869') | 1974 psi   | 2 mins.              |
| 1481 m (4859') | 1973.5 psi | 1 min. (RFT No.1)    |
| 1478 m (4849') | 1973 psi   | 0.5 min.             |
| 1473 m (4833') | 1972.5 psi | 2.5 mins. (RFT No.2) |
| 1470 m (4823') | 1972 psi   | 0.6 min.             |

The Drill Stem Test Service Report is included as Appendix 4 and the RFT raw data is presented as Enclosure 6.

3.5 Logging and Surveys3.5.1 Mud Logging

A trailer mounted standard Exploration Logging (EXLOG) unit was contracted to provide a complete mud logging service. Drill penetration rate, continuous drilling mud gas detection and intermittent cuttings gas analyses were performed and the mudlog is enclosed as Enclosure 1.

3.5.2 Electric Logging

Schlumberger recorded the following logs in open hole:-

Run 1

Dual Laterlog (DLL-GR-SP) 360.3 to 1604.2 m  
(1182 to 5263 ft.)

Micro Spherically Focused Log (MSFL-Cal) 1175 to 1604.2 m  
(3855 to 5263 ft.)

3.5.2 Cont'd.

|  |                                       |
|--|---------------------------------------|
| Compensated Neutron - Formation Density (CNL-FDC-GR-Cal) | 1175 to 1604.2m<br>(3855 to 5263 ft.) |
| Borehole Compensated Sonic Log (BHC-GR-Cal)              | 360.3 to 1604 m<br>(1182 to 5262 ft.) |
| Repeat Formation Tester (RFT)                            | 1470 to 1500 m<br>(4823 to 4921 ft.)  |

Schlumberger recorded the following logs in cased hole:-

Run 1

Cement Bond Log (CBL-VDL-GR) 965 to 1569.3 m  
(3165 to 5149 ft.)

Casing Collar Log and Perforating Record (CCL)

3.5.3 Deviation Surveys

During drilling, deviation surveys were run using a SURE SHOT survey instrument. Results were:-

|        |    |          |            |
|--------|----|----------|------------|
| 1/4°   | at | 36.6 m   | (120 ft.)  |
| 1/2°   | at | 68.6 m   | (225 ft.)  |
| 1/2°   | at | 95.4 m   | (313 ft.)  |
| 3/4°   | at | 129.3 m  | (424 ft.)  |
| 3/4°   | at | 193.3 m  | (634 ft.)  |
| 3/4°   | at | 258.2 m  | (847 ft.)  |
| 3/4°   | at | 313.7 m  | (1029 ft.) |
| 1/2°   | at | 393.6 m  | (1291 ft.) |
| 3/4°   | at | 623.5 m  | (2045 ft.) |
| 1/2°   | at | 832 m    | (2730 ft.) |
| 3/4°   | at | 980.9 m  | (3218 ft.) |
| 1 1/4° | at | 1097.3 m | (3600 ft.) |
| 2 1/4° | at | 1191.8 m | (3910 ft.) |
| 1 1/4° | at | 1225.6 m | (4021 ft.) |
| 2 1/2° | at | 1329 m   | (4360 ft.) |
| 2 1/2° | at | 1365.2 m | (4478 ft.) |
| 2°     | at | 1459 m   | (4786 ft.) |
| 1 3/4° | at | 1567 m   | (5140 ft.) |

4. POST DRILLING COMPILATION AND LABORATORY STUDIES4.1 Composite Well Log

A composite well log is included as Enclosure 2.

4.2 Gas and Fluids Analyses

The following gas analyses have been done;

- (i) On site gas chromatography by EXLOG of the gas recovered in RFT No.1.
- (ii) A low pressure sample collected by displacing water in a sample bottle was analyzed by the Gas and Fuel Corporation of Victoria.
- (iii) A high pressure gas cylinder sample was forwarded to the Gas and Fuel Corporation of Victoria for analysis.
- (iv) A high pressure gas cylinder sample collected from after the separator was forwarded to CORELAB in Perth for analysis.

The following fluids analysis has been done;

- (i) A condensate sample was forwarded to AMDEL in Adelaide for a high resolution gas liquid chromatography analysis of liquids.

All gas and fluids analyses are included as Appendix 5.

#### 4.3 Core Analyses

The eight samples collected from Cores 1 and 2 were dispatched to CORELAB in Perth for analysis. The following services were requested on each of the samples;

- (i) Porosity and Horizontal Permeability by Helium injection
  - (ii) Vertical Permeability by Helium injection
  - (iii) Calculated Grain Density
  - (iv) Lithologic Description
- and on two of the samples (Samples 2 and 5 respectively)
- (v) Six point capillary tests
  - (vi) Determination of formation factors 'm' and 'n'
  - (vii) Determination of resistivity index

The results of this work are included in Appendix 3.

### 5. RESULTS OF DRILLING

#### 5.1 General

North Paaratte No.2, which proved the easterly extension of the gas bearing Waarre reservoir on the North Paaratte structure, was completed with production casing, tubing and a Christmas tree as a potential producer. The top of the Waarre Formation reservoir was intersected 6.3 m (or 20.7 ft.) higher structurally than at North Paaratte No.1. The two wells share the same gas/water contact. There is 20 m (65.6 ft.) of gross and 17.6 m (57.7 ft.) of nett gas column in the well. The upper 11 metres gross of this sand is totally gas saturated with only irreducible water saturation as indicated on the logs. The lower 9 m gross of this sand has reduced gas saturations.

The recovered gas has been analysed and shown to be very dry. (Up to 96% Methane).

Initial production testing has established that the well's Open Flow Potential is 95MMCFD; condensate production is at the rate of at least 2.5 bbl per MMCF.

Further work is required before it can be determined if the gas discovered on the North Paaratte structure will prove commercially viable.

### 5.2 Formation Tops

The following formation tops have been picked using cuttings description, mudlog and electric log data:-

|                                   | <u>Depths Below</u> |               | <u>Thickness</u> |        |
|-----------------------------------|---------------------|---------------|------------------|--------|
|                                   | <u>KB</u>           | <u>Subsea</u> | (Metres)         | (feet) |
| Port Campbell Limestone (outcrop) | 3.2                 | +117          | 82.8             | 271.7  |
| Gellibrand Marl                   | 86                  | + 34.2        | 205              | 672.6  |
| Clifton Formation                 | 291                 | -170.8        | 24               | 78.7   |
| Narrawaturk Marl                  | 315                 | -194.8        | 22               | 72.2   |
| Mepunga Formation                 | 337                 | -216.8        | 62               | 203.4  |
| Dilwyn Formation                  | 399                 | -278.8        | 241              | 790.7  |
| Pember Mudstone                   | 640                 | -519.8        | 51               | 167.3  |
| Pebble Point Formation            | 691                 | -570.8        | 72               | 236.2  |
| Paaratte Formation                | 763                 | -642.8        | 471 (in total)   | 1545.3 |
| Skull Creek Member                | 1127                | -1006.8       | 107              | 351.1  |
| Nullawarre Greensand              | 1234                | -1113.8       | 105              | 344.5  |
| Belfast Formation                 | 1339                | -1218.8       | 95.3             | 312.7  |
| Flaxmans Formation                | 1434.3              | -1314.1       | 34.7             | 113.8  |
| Waarre Formation                  | 1469                | -1348.8       | 95               | 311.7  |
| Eumeralla Formation (Otway Group) | 1564                | -1443.8       | 39+              | 128.0+ |
| Total Depth                       | 1603                | -1482.8       |                  |        |

The following comments are made

- (i) All tops down to and including the Mepunga Formation are behind casing and have been defined by cuttings description and mud logging techniques only.
- (ii) Formation tops from Dilwyn to Paaratte Formation show very close agreement (mostly exact or at worst within a metre) to tops selected by cuttings description and mud logging techniques only.
- (iii) All formation tops from Nullawarre to Eumeralla as depicted on logs are consistently 2 metres deeper than those selected on mud log evidence alone prior to running logs. This is assumed to have arisen due to the neglect of part of the BHA in the drill string tally whilst drilling.

### 5.3 Lithologic Description

The lithologies encountered in the well are generalised as follows - (all depths are metres below KB).

- 0 - 86 m Port Campbell Limestone
- 0 - 5 m Clay yellow-brown, soft



- 5 - 86 m Calcarenite light grey to white, firm to hard, fine to very fine grained, abundant shell fragments (bryozoa, forams, lamellibranchs, gastropods), minor glauconite, trace pyrite.
- 86 - 291 m Gellibrand Marl  
Marl, medium grey, soft, abundant shell fragments (as above), strongly calcareous, minor glauconite.
- 291 - 315 m Clifton Formation  
Sandstone Grit, yellow-brown and dark grey, very coarse grained to fine grained, ferruginous, calcareous, fossiliferous, very poorly sorted, porosity poor to good.
- 315 - 337 m Narrawaturk Marl  
Marl, light brown to light grey, soft, slightly shelly, moderately pyritic.
- 337 - 399 m Mepunga Formation
- 337 - 364.3 Sandy Claystone, light brown to light grey, very soft, dispersive, moderately silty, slightly calcareous, abundant pyrite, common glauconite. Sand fraction consists of shells (mainly lamelli-branch fragments) and quartz, fine grained to coarse grained, clear, white and iron-stained, some opaline.
- 364.3 - 399 Claystone, medium grey, soft to very soft, richly glauconitic, slightly calcareous. Accessories are; glauconite, dark green, medium to coarse grained, rod like; shell fragments, coarse grained, broken lamellibranchs dominant with minor foraminifera; trace pyrite.
- 399 - 640 m Dilwyn Formation
- 399 - 459 Sandstone, yellow-brown, very coarse grained to medium grained, slightly conglomeratic, ferruginous, loosely consolidated, angular to well rounded, poorly sorted. Good inferred porosity. Towards base, thin interbeds of  
Claystone, as above and  
Marl, medium grey, soft.
- 459 - 640 m Sandstone, white to light grey, medium to coarse grained, loosely consolidated, sub-angular to sub-rounded, moderately sorted, good inferred porosity. With interbeds of  
Claystone, grey-brown, soft, slightly calcareous, and Marl, light grey to medium grey and brown, soft, glauconitic with  
minor Coal, black, Shale, carbonaceous, black and  
Siltstone, dark brown.

- 640 - 691 m Pember Mudstone  
Claystone and Marl, medium grey to buff-brown, soft, moderate to abundantly glauconitic, abundant shell fragments. (dominantly large broken lamellibranchs).
- 691 - 763 m Pebble Point Formation
- 691 - 706 m Conglomeratic Sandstone, yellow-brown and white, dominantly coarse grained to very coarse grained with minor pebble size grains, loosely consolidated, sub-angular to well rounded, moderately sorted. Quartzose with up to 10% glauconite, minor pyrite and trace shell fragments. Quartz grains commonly ironstained on microfractures and some totally ferruginous.
- 706 - 763 m Glauconitic & Ferruginous Sandstone, yellow-brown, white to clear and green, medium to coarse grained, loosely consolidated, sub-rounded to sub-angular, moderately sorted. Glauconite and/or chamositic, green clay up to 20% of sample. 50% of the quartz is iron-stained.  
 With minor interbedded;  
Siltstone, medium brown, cemented, hard, slightly glauconitic and Claystone, as above
- 763 - 1234 m Paaratte Formation
- 763 - 1000 m Sandstone, clear, white and yellow, becoming clear-white down section, loosely consolidated, dominantly very coarse grained, subangular to subrounded, moderately sorted, quartzose with up to 10% medium grey, speckled lithics, trace pyrite. Good inferred porosity with minor interbedded,  
Coal, black, hard, brittle  
Silty Claystone, medium brown, soft, dispersive and Siltstone, medium grey, hard, subfissile
- 1000 - 1109 m Sandstone, as above interbedded with Sandstone, light grey, hard, fine grained to very fine grained, cemented, sub-angular to sub-rounded, moderate to well sorted. Poor visual porosity.
- 1109 - 1127 m Sandstone, loosely consolidated, as above and Sandstone, very fine grained, cemented, as above with minor interbeds of Silty Claystone, medium brown, soft, dispersive
- 1127 - 1145 m Claystone, buff-brown, soft, dispersive
- 1145 - 1172 m Sandstone, white and buff-brown, very fine grained, cemented, hard, variously calcareous and dolomitic cemented with minor Sandstone, loosely consolidated, as above Silty Claystone, medium grey, soft, dispersive Carbonaceous Shale and Siltstone, buff-brown, hard, dolomitic.

- 1172 - 1194 m Silty Claystone, medium grey and medium brown, soft, dispersive with minor interbedded, Sandstone, very fine grained, cemented, as above.
- 1194 - 1234 m Silty Claystone and Clayey Siltstone, medium grey, firm to soft, dispersive (in part), slightly carbonaceous, with minor interbedded Siltstone, buff-brown, hard, dolomitic and Sandstone, buff, light yellow-white, hard, very fine grained, dolomitic cemented.
- 1234 - 1339 m Nullawarre Greensand
- 1234 - 1250 m Sandstone, white to light green, loose and partly cemented (hard), fine grained to granule (grit size), dominantly coarse grained, subrounded to subangular, dominantly subrounded, moderate to poorly sorted, quartzose, slightly glauconitic, slightly carbonaceous, slightly pyritic, weakly calcareous (in part).
- 1250 - 1339 m Sandstone, dark green, loosely consolidated, medium to very coarse grained, dominantly coarse grained, moderately rounded, moderately sorted, quartzose, argillaceous glauconitic matrix. Quartz grains are discoloured with green clay adhering to quartz grains. With minor interbeds of Siltstone, light brown-buff and medium grey, very soft, dispersive, slightly calcareous, trace glauconite.
- 1339 - 1434.3 Belfast Formation  
Silty Claystone, medium to dark grey, very soft, very glauconitic, slightly carbonaceous with minor interbeds of Dolomite, buff-brown, hard, slightly glauconitic
- 1434.3 - 1469 m Flaxmans Formation  
Silty Claystone, as above with minor Glauconitic Sandstone, green and white, loosely consolidated, fine to medium grained, dominantly medium grained, subrounded, moderately sorted. Quartz grains are white with some yellow-brown discolouration, and minor Dolomite, as above and Dolomitic Sandstone, buff-brown, hard, cemented, fine grained, slightly glauconitic trace of Coal black, pyritic
- 1469 - 1564 m Waarre Formation  
Reference to Figure 5 shows six lithologies present within the Waarre Formation. (Also refer Appendix 3).

- 119.
- LITHOLOGY 1 Sandstone, light grey-white, soft, friable to loosely consolidated, fine grained to very coarse grained (minor pebble sized grains), dominantly medium to coarse grained, sub-rounded to sub-angular, moderate to well sorted, quartzose, slightly carbonaceous. Visible porosity moderate to excellent. This sandstone occurs in the intervals 1469 - 1476.3, 1477.1 - 1484.3, 1487 - 1491.3, 1492.6 - 1495.2, 1495.9 - 1496.2, 1497.1 - 1507.2, 1517.3 - 1518.3, 1559.3 - 1560.6, 1561.3 - 1562, 1562.6 - 1564. <sup>2.3 m</sup> <sup>7.2 m</sup> <sup>4.3 m</sup> <sup>2.6 m</sup> <sup>1.0 m</sup> <sup>1.3 m</sup> <sup>0.7 m</sup> <sup>1.4 m</sup>
- LITHOLOGY 2 Silty Claystone, medium grey, firm to soft, moderate to strongly glauconitic. Occurs over intervals; 1476.3 - 1477.1, 1510 - 1510.8, 1511.8 - 1514.2, 1515 - 1517.3, 1518.3 - 1519.3, 1522.1 - 1522.5, 1523 - 1523.3, 1524.1 - 1525, 1525.7 - 1528.1, 1528.7 - 1529.2, 1533.7 - 1535.7, 1536.3 - 1537.3, 1539 - 1545.9.
- LITHOLOGY 3 Sandstone, white, hard, cemented, fine grained to very fine grained, matrix dominant, calcareously cemented. Occurs over intervals; 1484.3 - 1487, 1491.3 - 1492.6, 1495.2 - 1495.9, 1496.2 - 1497.1, 1508.8 - 1510, 1510.8 - 1511.8, 1520.4 - 1522.1, 1522.5 - 1523, 1523.3 - 1524.1, 1525 - 1525.7, 1528.1 - 1528.6, 1530.3 - 1533.7.
- LITHOLOGY 4 Sandstone, yellow-brown, hard, cemented, fine grained to very fine grained, matrix dominant, dolomitic cemented. Occurs over intervals; 1507.2 - 1508.8, 1514.2 - 1515, 1519.3 - 1520.4, 1529.2 - 1530.3.
- LITHOLOGY 5 Lithic Sandstone, light grey-white with dark grey, green and minor red-brown speckles (liths), fine grained, moderately sorted. The sandstone is both quartzose and lithic. The quartz is quite angular, the liths tend to be sub-rounded to well-rounded. The liths are mostly quartzite rock fragments. The white matrix is calcareous. Occurs over intervals, 1545.9 - 1559.3, 1560.6 - 1561.3, 1562 - 1562.6.
- LITHOLOGY 6 Coal, black, vitreous lustre. Thin seams at 1535.7 - 1536.3, 1537.3 - 1539.
- 1564 - 1603 m Eumeralla Formation (Otway Group)  
(TD) Lithic Sandstone, white, dark grey and medium green, fine to very coarse grained, dominantly medium grained, sub-angular to sub-rounded, moderately sorted, quartzose and lithic. Quartz is clear to white. Lithics are dominantly dark grey and medium green, quartzite liths with light green - white clay adhering to surface.
- At top of Otway Group have;  
Claystone, light grey to medium grey, very soft, sticky and puggy.

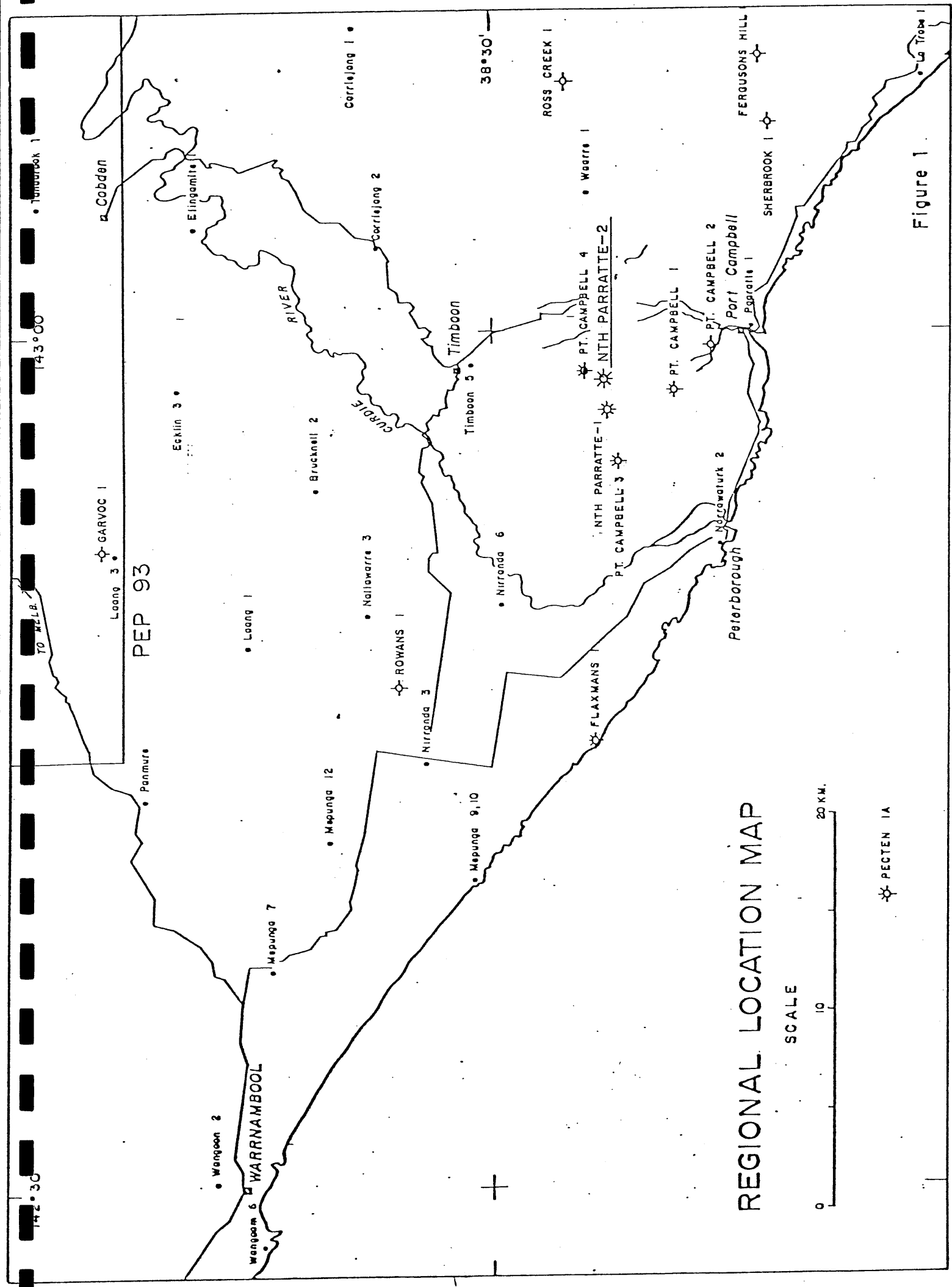
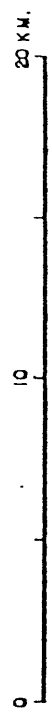


Figure 1

REGIONAL LOCATION MAP

SCALE



PECTEN 1A

Figure 2.

# PAARATTE

## COUNTY OF HEYTESBURY

SCALE OF CHAINS

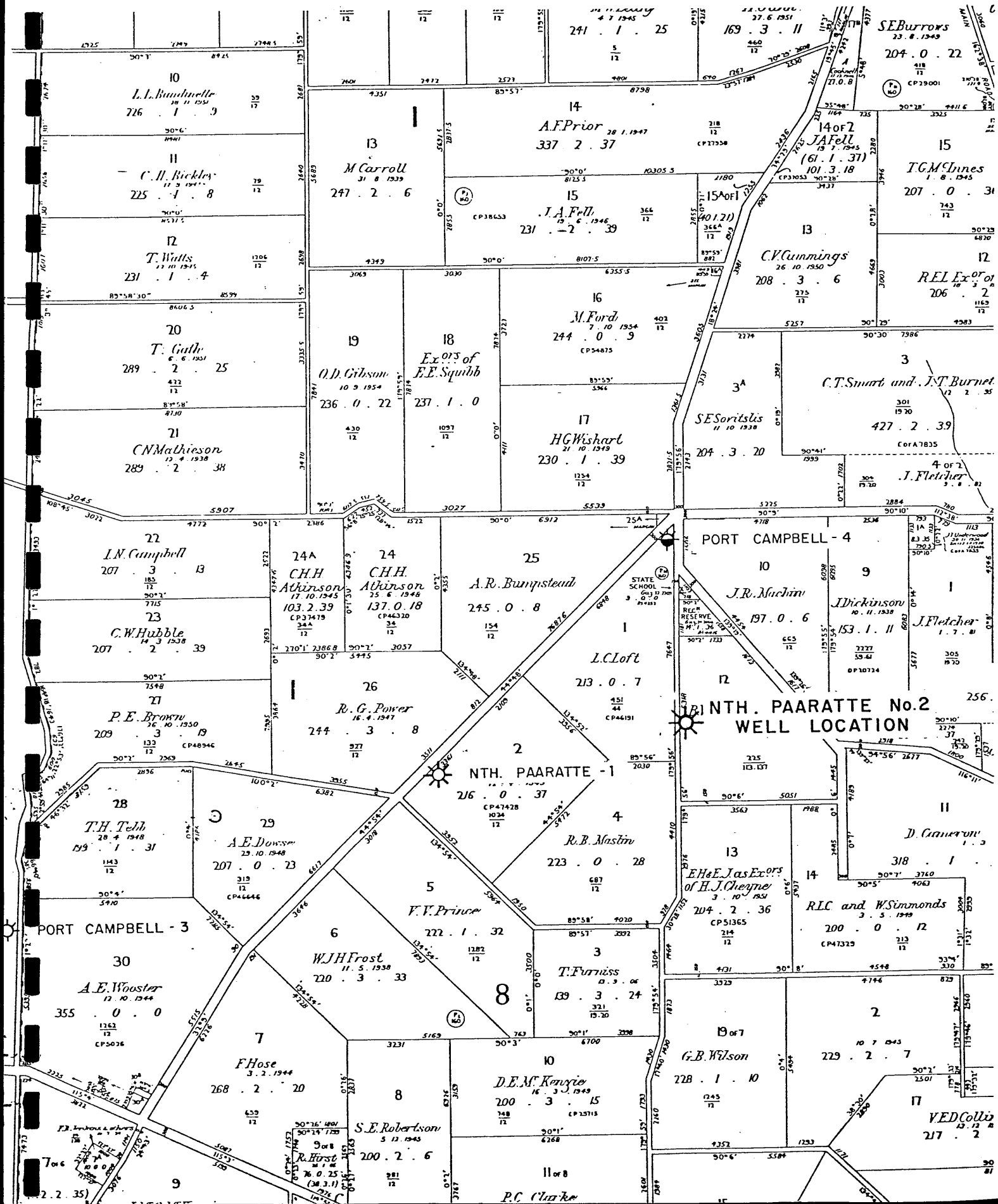
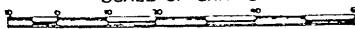
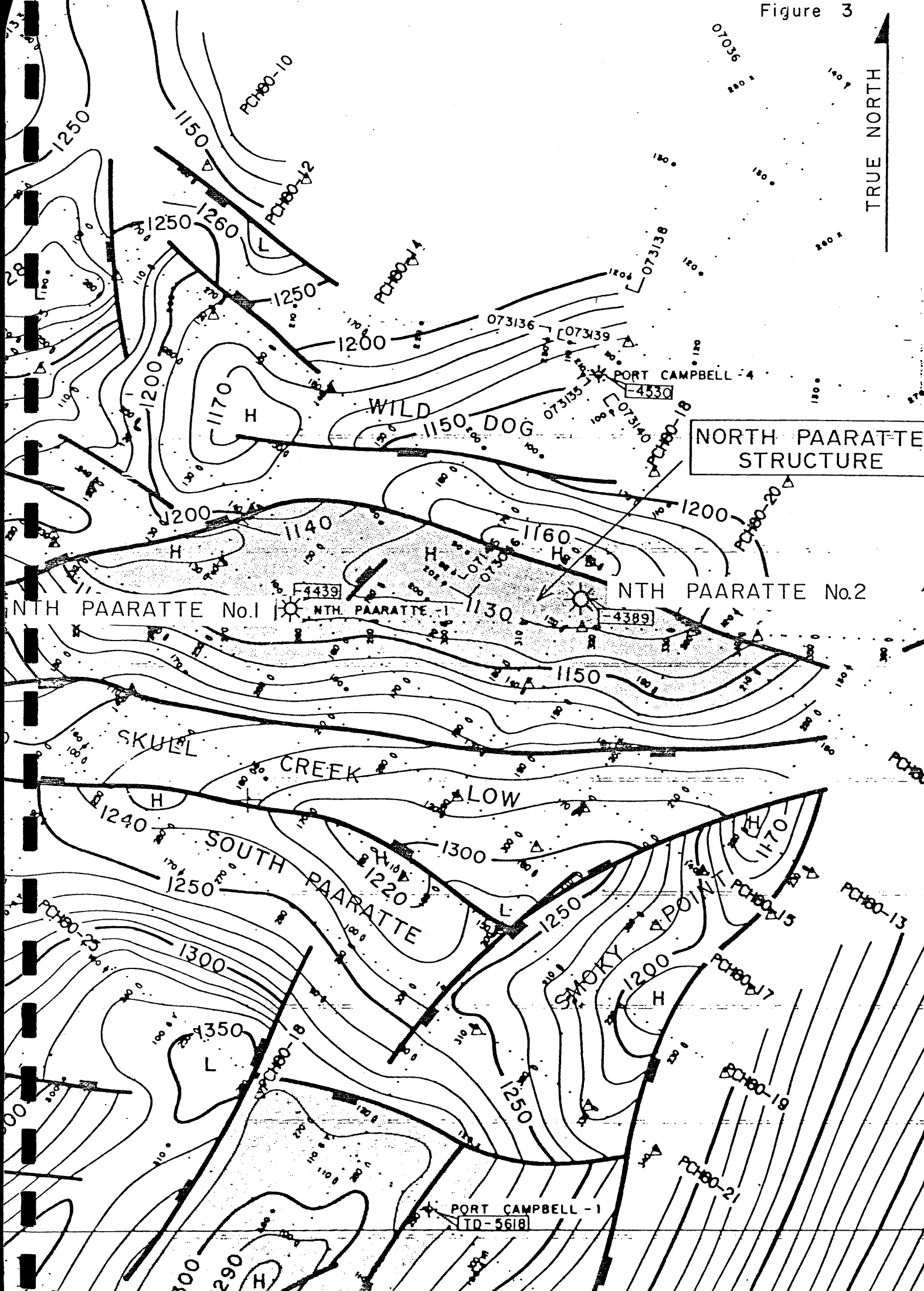


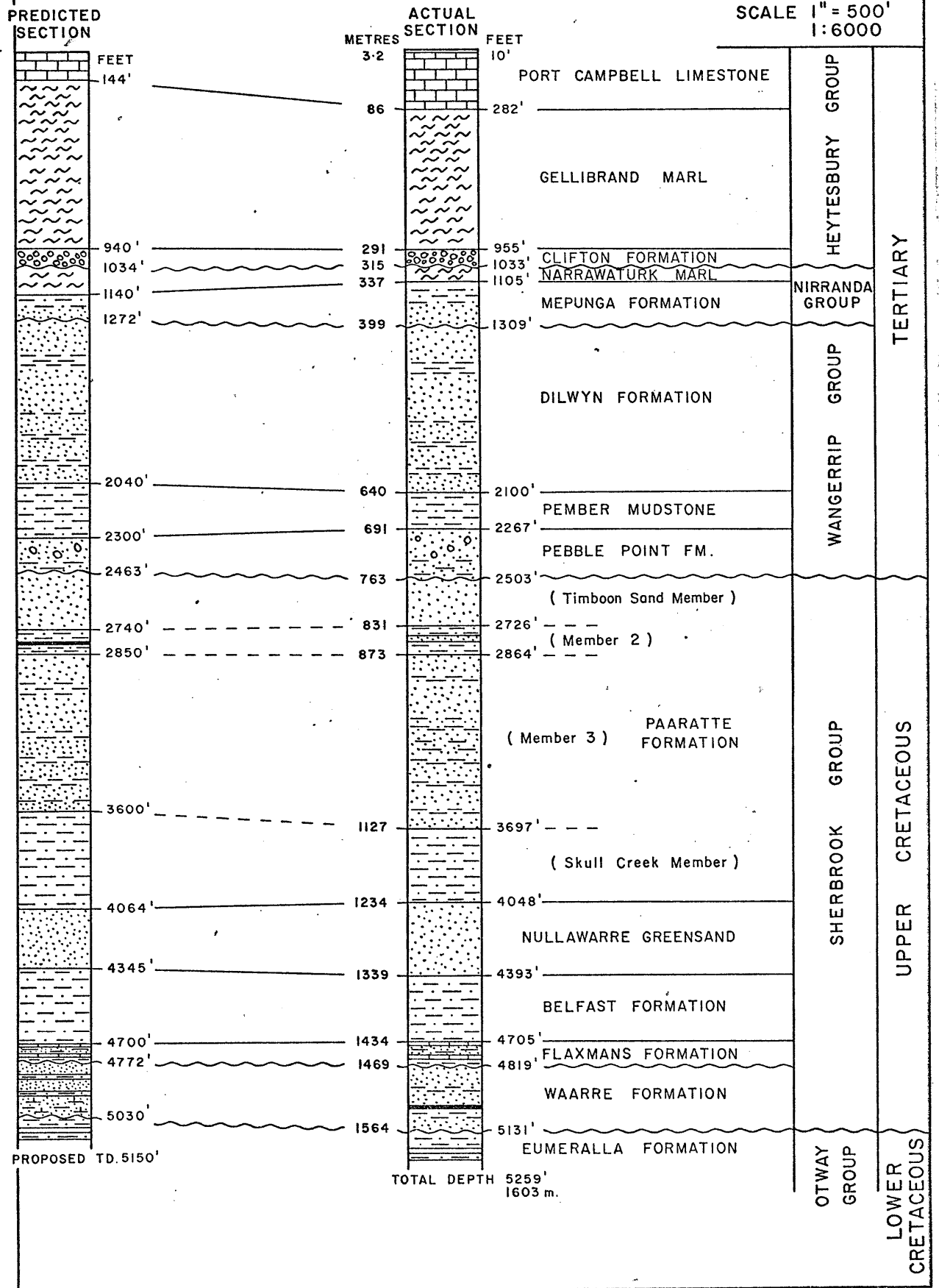
Figure 3

TRUE NORTH



# NORTH PAARATTE No.2

## COMPARISON OF PREDICTED AND ACTUAL SECTION





PE604743

This is an enclosure indicator page.  
The enclosure PE604743 is enclosed within the  
container PE906815 at this location in this  
document.

The enclosure PE604743 has the following characteristics:

ITEM\_BARCODE = PE604743  
CONTAINER\_BARCODE = PE906815  
NAME = Borehole Compensated Sonic Log  
BASIN = OTWAY  
PERMIT = PEP93  
TYPE = WELL  
SUBTYPE = COMPOSITE\_LOG  
DESCRIPTION = Borehole Compensated Sonic Log/  
Interpretive Lithology of Waarre Fm.,  
Scale 1:200 (Figure 5 from WCR) for  
North Paaratte-2  
REMARKS =  
DATE\_CREATED = 28/02/81  
DATE\_RECEIVED = 28/04/81  
W\_NO = W736  
WELL\_NAME = NORTH PAARATTE-2  
CONTRACTOR =  
CLIENT\_OP\_CO = BEACH PETROLEUM

(Inserted by DNRE - Vic Govt Mines Dept)

APPENDIX - 1

DETAILS OF DRILLING PLANT

APPENDIX - 1

DETAILS OF DRILLING RIG

CONTRACTOR'S RIG # 8

- DRAWWORKS : Ideco H-35 double drum with 15' Hydromatic Brake.
- ENGINES : Two (2) GM 6-71 twin diesel units.
- ROTARY TABLE : Ideco 17-1/2".
- SUBSTRUCTURE : Mast Subbase 8'6" high.
- RIG LIGHTING : Rig-A-Lite explosion proof system.
- MAST : Ideco KM 103-195-GH Gross nominal capacity 195,000 pounds.
- TRAVELLING BLOCK WITH UNITISED HOOK : Ideco D110-3-24.
- SWIVEL : Ideco TL-120.
- KELLY DRIVE : Ideco Squarehex 4-1/4".
- MUD PUMPS : National K380 7 1/4" x 14" Mud Pump powered by GM16V Series 71 Engine with K10 Pulsation Dampener.
- MIXING PUMP : National C150B 7-1/4" x 12" powered by twin GM 6-71 diesel engine.
- MUD TANK : (1) 6 x 4 Warman Centrifugal powered by GM 4-71 diesel engine.
- SHALE SHAKER : One (1) 35' long x 8' wide x 4'6" high - skid mounted.
- DESANDER/DESILTER : Rumba unit.
- GENERATORS : Combination unit with 2 x 8" and 8 x 4" cones with Warman 6 x 4 centrifugal pump powered by GM 3-71 - diesel engine.
- .O.P.'s & ACCUMULATOR : Two (2) 75 Kw units powered by GM 6-71 diesel engines.
- KELLY COCK : One (1) 10" - 3000 psi WP Shaffer Annular BOP.  
One (1) 10" - 3000 psi WP Shaffer Double Gate BOP.  
Koomey 60 gallon Accumulator system.
- AIR COMPRESSOR & RECEIVERS : Omsco unit - 10,000 psi.
- SPOOLS : Two (2) Ingersoll Rand Compressors with 120 gallon receivers.  
One (1) 2 AVC Westinghouse Compressor.
- SPOOLS : One (1) 10" - 3000 x 10" - 3000 Drilling Spool with 2" outlets.  
One (1) 10" - 3000 x 6" - 3000 Studded Adaptor.  
One (1) 10" - 3000 x 10" - 3000 Spacer Spool.

|                          |  |
|--------------------------|--|
| RAT HOLE DRILLER         | : C & W unit.  |
| CHOKE MANIFOLD           | : 2 Choke 3000 psi WP unit.  |
| DRILL PIPE               | : 7000 ft 4½" internally plastic coated aluminium 8.35lb/ft with 6-1/8" OD 18 degree taper hard band tool joints. (Weight of drill pipe with tool joints = 10.75 lb/ft).<br>6 joints 4-1/2" hevi-wate.   |
| DRILL COLLARS            | : 4 x 8" OD with 6-5/8" Regular connections.<br>12 x 6-1/4" OD with 4" IF connections.   |
| KELLY                    | : 4-1/4" square with 6-5/8" Regular Box Up.  |
| FISHING TOOLS            | : (1) Bowen 7-5/8" series 150 SH Overshot.<br>(1) Bowen 9-5/8" series 150 Overshot.<br>(1) Baash-Ross 6-1/8" OD Bumper Sub.<br>(1) McCullough 6-1/8" OD Rotary Jars.<br>(1) Junk Sub for 8-1/2" hole.  |
| HANDLING TCOLS           | : (1) Varco CU Casing Bushing for 17-1/2" Table and to handle 13-3/8" and 9-5/8" casing.<br>(1) set CMS 13-3/8" Casing Slips.<br>(1) set CMS 9-5/8" Casing Slips.<br>(1) set 13-3/8" Side Door Elevators.<br>(1) set 9-5/8" Side Door Elevators.<br>(1) set 13-3/8" Single Joint Elevators.<br>(1) set 9-5/8" Single Joint Elevators.<br>(1) set 5-1/2" CMS Casing Slips.<br>(1) set 5-1/2" Side Door Elevators.<br>(1) set 5-1/2" Single Joint Elevators.<br>(1) set 4-1/2" Drill Pipe Slips.<br>(1) set 4-1/2" MAA Drill Pipe Elevators.<br>(1) set 5-1/2" - 7" Drill Collar Slips.<br>(1) set 6-3/4" - 8-1/4" Drill Collar Slips.<br>(1) set 2 Elevator Links 2-1/4" x 108" (110 ton).<br>(1) set Web Welson type B Tongs with jaws from 3-1/2" to 10-3/4".<br>(1) set BJ type B tongs with 13-3/8" jaws. |
| INSTRUMENTS & INDICATORS | : Martin Decker Clipper Weight Indicator.<br>Pump Pressure Gauge.<br>Martin Decker Tong Torque Indicator.<br>Geograph G3 Recorder.   |
| DEVIATION RECORDER       | : Sure Shot 0° - 7° unit.  |
| TOOLHOUSE                | : (1) 28' long x 8' wide x 7' high.  |
| DIG HOUSE                | : (1) 24' long x 8' wide x 7' high.  |
| GENERATOR HOUSE          | : (1) 34' long x 8' wide x 7' high.  |
| WELDING EQUIPMENT        | : (1) Lincoln 400 AMP with diesel engine.<br>(1) set Oxygen/Acetylene.   |
| PIPE RACKS               | : (1) set (6) 26' long x 42" high.   |
| CRAWLS                   | : (1) 45' long x 5' wide x 42" high.   |
| WATER TANKS              | : (1) 28' long x 8' wide x 7' high.  |

- DAY FUEL TANK : (1) 1500 gallon unit.
- SUBSTITUTES : (2) 6-5/8" Reg. Pick up Subs.
  - (2) 4" IF Pick up Subs.
  - (1) 4" IF Box x 6-5/8" Reg Pin Sub.
  - (1) 6-5/8" Reg Box x 4" IF Pin Sub.
  - (1) 4" IF Pin x 4-1/2" FH Pin Sub.
  - (1) 4-1/2" FH Pin x 4" IF Box Sub.
  - (1) 4" IF Pin x 4-1/2" Reg Box Sub.
  - (1) 6-5/8" Reg Pin x 6-5/8" Reg Box Sub.
  - (2) Kelly Saver Subs.
- MUD TESTING : Magcobar Rig Lab complete.
- JUNK BOX : (1) 20' x 8' x 4' high.
- MATTING : (1) set Hardwood mats.
- WATER PUMPS : (2) AEI - 2" x 1-1/2" powered by electric motors.
- FIRE EXTINGUISHERS : (1) set for rig and surrounding areas as per the applicable State Mines Department Regulation.
- TOOLPUSHER/OPERATOR OFFICE : (1) 30' x 10' wide x 9' high with office and living facilities.



| SAMPLE | PERCENTAGE | DESCRIPTION  | WELL NAME | GEOLOGIST | PAGE |
|--------|------------|--|-----------|-----------|------|
| 610    | 40         | Sandstone: lgt gry-white - orange-clear, loosely cons, fg-gran, ang-rnd, good inf $\phi$   |           |           |      |
|        | 10         | Siltstone: lgt brn-dk brn, med rnd - sft, richly glauc in part, some shell frags, mod calc, assoc with minor diss pyrite.  |           |           |      |
| 620    |            | As for 610   |           |           |      |
| 630    | 70         | Sandstone: clr to white, loosely cons, fg-cg, ang-subrnd, good inf $\phi$ ,  |           |           |      |
|        | 30         | Siltstone: as above, echinoid spines together with shell frags.  |           |           |      |
| 640    | 100        | Sandstone: clear - translucent - yellow, loosely cons, fg-mg, rnd-subang, mod sorting, good inf $\phi$   |           |           |      |
|        | 1r         | Coal: Black, minor pyritization  |           |           |      |
|        | 1r         | Siltstone: as above  |           |           |      |
| 650    | 80         | Sandstone: A/A.  |           |           |      |
|        | 20         | Siltstone: as above, richly glauconitic, minor forams  |           |           |      |
| 660    | 80         | Claystone, medium grey-buff brown, soft, moderately calcareous, moderately glauconitic. Accessories: c.g. glauconite, c.g. shell fragments   |           |           |      |
|        | 20         | Sandstone, as above  |           |           |      |
| 670    | 100        | Claystone, medium brown, soft, moderately calcareous, richly glauconitic, abundant shell fragments (large lamellibranch bivalves)  |           |           |      |
|        |            | Accessories: 10% Glauconite, 10% shell fragments.  |           |           |      |
| 680    | 100        | Claystone, as above  |           |           |      |
| 690.   | 70         | Sandstone, y-brown wh, v.c.g. to mg, dominantly c.g., minor pebbles, loosely consolidated, angular to sub-rounded, strongly pyritous iron stained quartz. Up to 10% glauconite, minor pyrite, trace shell fragments. Good inf $\phi$ porosity. |           |           |      |
|        | 30         | Claystone, as above  |           |           |      |



| SAMPLE | PERCENTAGE | DESCRIPTION  | SAMPLE | WELL NAME | GEOLOGIST | PAGE |
|--------|------------|--|--------|-----------|-----------|------|
| 540    | 90         | Sand, as above   |        |           |           |      |
|        | 10         | Mud, medium grey, soft.  |        |           |           |      |
| 550    | 80         | Sand, wh-light grey, c.g to v.c.g, poorly sorted, loosely consolidated, good inferred porosity.                  |        |           |           |      |
|        | 20         | Mud, grey-soft, glauconitic.   |        |           |           |      |
|        | tr         | Carbonaceous Shale, black  |        |           |           |      |
| 560    | 80         | Sand, as for 550m, sand contains minor pyritic cement.   |        |           |           |      |
|        | 20         | Mud, as above  |        |           |           |      |
|        | tr         | Claystone, light grey, firm to soft  |        |           |           |      |
| 570    | 80         | Mud, light grey-medium grey, soft, glauconitic.  |        |           |           |      |
|        | 10         | Siltstone, dk bn, firm   |        |           |           |      |
|        | 10         | Sand, as above   |        |           |           |      |
| 580    | 80         | Sand, light grey-white, coarse grained, sub-rounded to sub-angular, poorly consolidated, good inferred porosity. |        |           |           |      |
|        | 10         | Mud, N/A   |        |           |           |      |
|        | 10         | Shell fragments & Glauconite (dk, gn & blk).   |        |           |           |      |
|        | tr         | Carbonaceous Shale, blk.   |        |           |           |      |
| 590    | 90         | Mud, bn, soft, glauconitic, accessories are large shell frags & glauconite                                       |        |           |           |      |
|        | 10         | Sand, as above.  |        |           |           |      |
| 600    | 80         | Mud, as above  |        |           |           |      |
|        | 15         | Sand, as above   |        |           |           |      |
|        | 5          | Siltstone, bn, firm.   |        |           |           |      |


| DEPTH | PERCENTAGE | DESCRIPTION  | WELL NAME | SECTION |
|-------|------------|--|-----------|---------|
| 450m  | 100        | Sand, y-brown, c.g., loosely consolidated, poorly sorted, A/A, becoming less ferruginous (less iron stained)                               |           |         |
| 460m  | 100        | Sand, wh-light grey, medium to coarse grained, moderately sorted, subangular to sub-rounded, loosely consolidated, good inferred porosity. |           |         |
| 470   | 4          | Black Coal, Siltstone, brown, firm   |           |         |
| 480   | 100        | Sand, as for 460m  |           |         |
|       | 100        | Sand, as for 460m  |           |         |
|       | 4          | Marl, grey, soft   |           |         |
|       | 4          | Glauconite, Pyrite.  |           |         |
| 490   | 95         | Sand, as above   |           |         |
|       | 5          | Marl, grey, soft, as above   |           |         |
|       | 4          | Glauconite, Pyrite   |           |         |
| 500   | 100        | Sand, as above, modal grain size medium, i.e. has fined down section   |           |         |
|       | 4          | Siltstone, grey, firm to hard.   |           |         |
| 510.  | 80         | Claystone, grey-brown, soft, calcareous due to shell fragments.  |           |         |
|       | 10         | Sand, as above   |           |         |
|       | 10         | Glauconite & coarse grained shell fragments  |           |         |
| 520   | 100        | Sand, m-c g, loosely consolidated, white - yellow, as above  |           |         |
|       | 4          | Claystone, A/A   |           |         |
|       | 4          | Siltstone, brown, hard to firm   |           |         |
|       | 4          | Black Coal.  |           |         |
| 530   | 80         | Sand, A/A  |           |         |
|       | 20         | Claystone, A/A.  |           |         |
|       | 4          | Pyrite.  |           |         |

| DEPTH | THICKNESS | SHALE | L | GOAL | DESCRIPTION   | SAMPLE | WELL NAME | SECTION                               |
|-------|-----------|-------|---|------|---|--------|-----------|---------------------------------------|
| 370m  |           |       |   |      | 100 Claystone, medium grey, soft to very soft, richly glauconitic, slightly calcareous. Accessories are glauconite, dark green, medium to coarse grained, rod like, shell fragments, coarse grained water lily stems dominant; minor foraminifera & corals. Trace Pyrite. |        |           |                                       |
| 380m  |           |       |   |      | 100 as for 370m   |        |           |                                       |
| 390m  |           |       |   |      | 100 as for 370m   |        |           |                                       |
| 400m  |           |       |   |      | 100 Sand, yellow-orange brown, very coarse grained & slightly conglomeratic, very poorly sorted, loosely consolidated, angular to well rounded. Iron staining on microfractures, ferruginous.   |        |           |                                       |
|       |           |       |   |      | 44 Shell fragments  |        |           |                                       |
|       |           |       |   |      | 44 Claystone, as above  |        |           |                                       |
| 410m  |           |       |   |      | 80 Sand, very coarse grained, as above grain size variation as above, Quartz is becoming cleaner <sup>(i.e. iron free)</sup> and some milky quartz  |        |           | (Associated drilling break is @ 399m) |
|       |           |       |   |      | 10 Sandstone, light grey-white, brown, green, fine grained, calcareous, hard, cemented, slightly lentic.  |        |           |                                       |
|       |           |       |   |      | 10 siltstone disseminated glauconite, slightly ferruginous  |        |           |                                       |
|       |           |       |   |      | 10 Claystone & glauconite as above, probably core-in  |        |           |                                       |
| 420m  |           |       |   |      | 50 Sand, y-bn, m-v.c.g. dominantly c.g. lower, as above   |        |           |                                       |
|       |           |       |   |      | 50 Claystone, medium grey, A/A  |        |           |                                       |
|       |           |       |   |      | 44 Siltstone, dk bn, firm.  |        |           |                                       |
|       |           |       |   |      | 44 Sandstone, cemented, as above  |        |           |                                       |
| 430m  |           |       |   |      | 90 Sand, as above   |        |           |                                       |
|       |           |       |   |      | 10 Claystone, medium grey, A/A  |        |           |                                       |
| 440m  |           |       |   |      | 90 as for 430m, sand is nodular grain size is becoming finer down section but still is coarse grained here.   |        |           |                                       |
|       |           |       |   |      | 10 Claystone, A/A   |        |           |                                       |

| DEPTH            | PERCENTAGE | DESCRIPTION  |
|------------------|------------|--|
| 340m             | 90         | Claystone, light brown-grey, v. soft, dispersive, silty, sl. calcareous, moderately pyritic                    |
|                  | 10         | Marl, brown-grey, slightly fossiliferous, pyritic.   |
|                  | 10         | Sand size fraction consisting of Pyrite, v. c.g. - f.g.  |
|                  |            | 80 Shell fragments, c.g. - f.g., bivalve branch dominant   |
|                  |            | 10 Opaline, amorphous quartz, some as infilling of large lamellibranch shells & as replacement of shell itself |
|                  |            | 10 Quartz, f.g. wh & yellow-brown, iron stained,   |
|                  |            | 10 Manganese, bk, f-m.g.   |
| 350m             |            | as for 340m  |
| 355.5m           |            | as for 340m  |
| 358.5m           |            | Sandy Claystone, brown & white (speckled), probably pyritic or sandy Marl.                                     |
| 361m             |            | 90% Claystone, 10% Sand fraction   |
|                  |            | Sand fraction consists of:-  |
|                  |            | 80 Shell fragments   |
|                  |            | 10 Quartz, c.g. - f.g., clear & white & minor iron stained, trace citrine quartz. (yellow-line green)          |
|                  |            | 10 Glauconite & Pyrite   |
| 364.3m (1195 ft) |            | Sandy Claystone or Sandy Marl, as for 355.5.   |

|                   |  |  |  |  |  |  |  |  |  |
|-------------------|--|--|--|--|--|--|--|--|--|
| 291M<br>GRAB SAMP |  |  |  |  |  |  |  |  | Claystone: lt grey - grey, very soft sticky, fossiliferous, fossils inc forams, shell frags, conoid. spines, bivalved gastropods<br>Clawconite:  |
|                   |  |  |  |  |  |  |  |  | Siltstone: lt grn to green, mod hrd, mildly calcareous   |
|                   |  |  |  |  |  |  |  |  | Sandstone: light brn to orange, mod hrd, calcareous, md-subbrnd, mod soft possibly calc cemented.  |
|                   |  |  |  |  |  |  |  |  | Top Clifton? Sampler badly contaminated with Gellibrand Marl.  |
| 300m              |  |  |  |  |  |  |  |  | as for 290m sample'  |
| 310m              |  |  |  |  |  |  |  |  | Claystone, as above<br>Grit - Sandstone, yellow-brown, dark grey, light grey, white, <sup>loose, firm</sup> very coarse grained (grit size) to fine grained, ferruginous, calcareous, fossiliferous, <sup>very</sup> poorly sorted, possibly poor to good (inc very variable). This is a remarkable rock type probably a typical beachrock (as distinct from a beach sand; it is not a beach sand) Species present are;<br>Quartz, yellow-brown, v. coarse grained, iron stained and young, little transport because still have pyramid crystal faces. Some grains are worn & slightly rounded<br>Shell Sand, light grey, fine grained, strongly calcareous, porous.<br>Sand, wh - dark brown, calcareous with ferruginous; iron nodules |
| 320m              |  |  |  |  |  |  |  |  | Claystone, as above.<br>Grit - Sandstone, as above.  |
| 330m              |  |  |  |  |  |  |  |  | Claystone, as above<br>Sandstone, buff to medium brown, fine grained, ferruginous, slightly calcareous is the main species with minor, medium grained quartz grains, trace glauconite. (Comp in at Clifton Fm)<br>Marl, brown-grey, slightly fossiliferous, pyritic.   |

| SAMPLE | DESCRIPTION   | SHALE | ST | COAL | HE |
|--------|---|-------|----|------|----|
| 200    | Marl: grey-dark grey, soft sticky hydratable, becoming clayey & less calcareous. Fossils inc echinoid spines, graptoloids, shell frags, minor forams. |       |    |      |    |
| 200    | Marl: A/A strongly calcareous   |       |    |      |    |
| 200    | Claystone: grey, soft sticky, mildly calcareous. Fossils inc forams, graptoloids, echinoid spines, shell frags, forams (almost marl)                  |       |    |      |    |
|        | Pyrite: diss  |       |    |      |    |
| 210    | Claystone: A/A  |       |    |      |    |
|        | Pyrite: A/A   |       |    |      |    |
| 220    | Claystone: A/A weakly calc  |       |    |      |    |
|        | Pyrite: A/A   |       |    |      |    |
| 230    | Claystone: A/A  |       |    |      |    |
|        | Pyrite: A/A   |       |    |      |    |
| 240    | Claystone: A/A  |       |    |      |    |
|        | Pyrite: A/A   |       |    |      |    |
| 250    | Claystone: A/A  |       |    |      |    |
| 260    | Claystone: A/A  |       |    |      |    |
| 270    | Claystone: A/A  |       |    |      |    |
|        | Pyrite: Diss  |       |    |      |    |
| 280    | Claystone: A/A  |       |    |      |    |
|        | Pyrite: Diss  |       |    |      |    |
| 290    | Claystone: A/A  |       |    |      |    |
|        | Pyrite  |       |    |      |    |

| DEPTH | THICKNESS | COAL | SHALES | SAND | SAMPLE      | DESCRIPTION  |
|-------|-----------|------|--------|------|-------------|--|
| 20m   | 100       |      |        |      | Calcarenite | lgt gry - lgt brn, mod hrd, vfg mg, sub md - sub ang, calc cement, shell frags, forams, echinoid spines  |
| 30    |           |      |        |      |             | As above.  |
| 40m   | 100       |      |        |      | Calcarenite | A/A minor glauconite,  |
| 50m   | 100       |      |        |      | Calcarenite | A/A  |
| 60m   | K         |      |        |      | Marl        | dk. gry, soft, sticky, mod calc, fossil frags, rare glaucon,   |
|       | 100       |      |        |      | Calcarenite | A/A  |
|       | K         |      |        |      | Marl        | A/A  |
| 70    | 90        |      |        |      | Calcarenite | A/A  |
|       | 10        |      |        |      | Marl        | A/A  |
| 80    | 90        |      |        |      | Calcarenite | A/A rare bygonian  |
|       | 10        |      |        |      | Marl        | A/A  |
| 90    | 80        |      |        |      | Calcarenite | A/A abundant fossil frags, bygonian,  turret frags, echinoid spines |
|       | 20        |      |        |      | Marl        | A/A } gastropods,  |
|       | tr        |      |        |      | Pyrite      | disse.   |
| 100   | 100       |      |        |      | Marl        | lgt gry - dk gry, sft - firm, mod calc, abundant fossils, shell frags, echinoid spines, forams, minor pyritization.                                  |
| 110   | 100       |      |        |      | Marl        | A/A  |
| 120   | 100       |      |        |      | Marl        | A/A fewer fossils than above.  |
| 130   | 100       |      |        |      | Marl        | A/A fossils more common.   |
| 140   | 100       |      |        |      | Marl        | A/A  |
| 150   | 100       |      |        |      | Marl        | A/A  |
| 160   | 100       |      |        |      | Marl        | A/A  |
| 170   | 100       |      |        |      | Marl        | A/A  |

APPENDIX - 2

WELL SITE CUTTINGS DESCRIPTION LOG



| DEPTH (m) | PERCENTAGE | DESCRIPTION   | WELL NAME | SECTION | PAGE |
|-----------|------------|---|-----------|---------|------|
| 760       | 100        | Sandstone, pale yellow to white - clear, loosely consolidated, medium to coarse grained, dominantly coarse grained, subangular to subrounded, dominantly subangular, moderately sorted, quartzose, trace of red-brown, quartzite. |           |         |      |
|           | tr         | Siltstone, dark grey-brown, hard, indurated, moderate to strongly glauconitic.  |           |         |      |
|           | tr         | Glauconite shell fragments (Believed core-in).  |           |         |      |
| 770       | 100        | Sandstone, white to clear, loosely consolidated, coarse grained to very coarse grained, subangular to subrounded, moderately sorted, quartzose, trace of grey & red-brown quartzite & grey intra-sandstone accessory grains.      |           |         |      |
|           | tr         | Siltstone, as above, slightly clayey.   |           |         |      |
| 780       | 100        | Sandstone, as above, quartzose with lithics up to 5%. Lithics are as above with a grey micaceous metamorphosed sandstone lith.  |           |         |      |
| 790       | 100        | Sandstone, as above, medium to coarse grained, dominantly coarse grained, lithics up to 5 to 10% as above.  |           |         |      |
|           | tr         | Black Coal  |           |         |      |
| 800       | 100        | Sandstone, as for 790 m, with a grey-brown silt fraction.   |           |         |      |
| 810       | 100        | Sandstone, as above, very coarse grained to coarse grained, up to 10% lithics.  |           |         |      |
|           | tr         | Carbonaceous Shale, black, fissile, pyritic.  |           |         |      |
| 820       | 100        | Sandstone, m-e.g., as above, trace lithics.   |           |         |      |
| 830       | 100        | Sandstone as for 820 m, minor pyritic cement lithics as above up to 10%.  |           |         |      |
| 840       | 100        | Sandstone as for 820 m, some v.c.g. grains.   |           |         |      |
| 850       | 100        | Sandstone, as for 820 m, lithics up to 5%.  |           |         |      |
|           | tr         | Coal, bk  |           |         |      |
|           | tr         | Sandstone, grey-white, firm to hard, consolidated, v.f.g., subrounded, moderately sorted, quartzose, poor visual porosity.  |           |         |      |

| DEPTH | PERCENTAGE | SHALE | SANDSTONE | SILTSTONE | SLT | CLAY | CONGLOMERATE | OTHER | WELL NAME   | GEOLOGIST | PAGE |
|-------|------------|-------|-----------|-----------|-----|------|--------------|-------|---|-----------|------|
| 860m  | 100        |       |           |           |     |      |              |       | Sandstone, as above, m-v.c.g., dominantly c.g., quartzose ± up to 5%. lithics minor pyritic cement.   |           |      |
|       | tr         |       |           |           |     |      |              |       | Sandstone, gy-wh, v.f.g., cemented, as above  |           |      |
| 870m  | 95         |       |           |           |     |      |              |       | Sandstone, loosely consolidated, m-v.c.g., dominantly c.g., as above. lithics up to 10% pyrite cement slightly more abundant.   |           |      |
|       | 5          |       |           |           |     |      |              |       | Silty Claystone, brown, firm, strongly glauconitic, slightly calcareous, minor shell fragments  |           |      |
| 880m  | 100        |       |           |           |     |      |              |       | Sandstone, loosely consolidated as above, m-c.g., dominantly m.g., lithics only a trace   |           |      |
|       | tr         |       |           |           |     |      |              |       | Carbonaceous Shale, blk   |           |      |
| 890m  | 90         |       |           |           |     |      |              |       | Sandstone as for 880m   |           |      |
|       | 10         |       |           |           |     |      |              |       | Carb. Shale, blk, firm  |           |      |
| 900m  | 90         |       |           |           |     |      |              |       | Sandstone, loosely consolidated as above, dominantly c.g., well sorted, py. cement, up to 5% lithics  |           |      |
|       | 10         |       |           |           |     |      |              |       | Siltstone, medium grey, hard  |           |      |
|       | tr         |       |           |           |     |      |              |       | Carb. Shale, blk, firm  |           |      |
| 910m  |            |       |           |           |     |      |              |       | as for 900m   |           |      |
| 920m  | 15         |       |           |           |     |      |              |       | Sandstone, grey-white, firm to hard, cemented, v.f.g., subrounded, moderately sorted, quartzose, pyrite cement is abundant in places, poor visual porosity  |           |      |
|       | 5          |       |           |           |     |      |              |       | Siltstone, medium grey, hard, as above  |           |      |
|       | 80         |       |           |           |     |      |              |       | Sandstone, loosely consolidated, as above, m-v.c.g., dominantly c.g.  |           |      |
| 930m  | 100        |       |           |           |     |      |              |       | Sandstone, whitish, loosely consolidated, medium to very coarse grained, dominantly coarse grained, sub-rounded to sub-angular, moderately sorted, quartzose with trace of lithics (mainly light grey quartzite) and pyrite cement more abundant. |           |      |
|       | tr         |       |           |           |     |      |              |       | Siltstone, hard, as above   |           |      |
|       | tr         |       |           |           |     |      |              |       | Cemented Sst., as above, but fine grained   |           |      |

940m 'as for 930m'

950m 'as for 930m'

960m Sandstone, loosely consolidated, as above, m-c.g., with only a trace of lills & a trace of pyrite

trace of pyrite

tr Lenticled Sst, as above

970m Appears to be a badly contaminated sample, e.g. glauconite up to 5% & c.g. shell fragments up to 3%. These are probably contamination

100 Sandstone, loosely consolidated, c.g., as above, pyritic conch.

tr Silty Claystone as described :- 870m'

tr Siltstone, medium grey, hard, as above

30 Coal, black, dull.

tr Siltstone, as above & Carbonaceous Shale, black

70 Sandstone, loosely consolidated, as above, m-c.g. dominantly c.g.

70 Coal, black, dull.

30 Sandstone, as above

tr Siltstone, as above & Carbonaceous Shale, black.

20 Coal, black dull.

40 Lenticled, v.f.g. Sst, as above

40 Sandstone, loosely consolidated, as above

60 Sandstone, white to light grey, firm to hard, fine to very fine grained, subrounded, moderately sorted, quartzose, pyrite conch may be common in places, slightly calcareous, poor to moderate visual porosity. (Thin Koster matrix)

40 Sandstone, loosely consolidated as above

tr Coal bk dull & above siltstone bn hard

| SAMPLE | PERCENTAGE | DESCRIPTION | WELL NAME | GEOLOGIST | PAGE |
|--------|------------|-------------|-----------|-----------|------|
|        | SST        | SHALE       | LMS       | COAL      | HT   |
| 1020   |            |             |           |           |      |
| 1030   |            |             |           |           |      |
| 1040   | 70         |             |           |           |      |
|        | 30         |             |           |           |      |
| 1050   |            |             |           |           |      |
| 1060   | 90         |             |           |           |      |
|        | 10         |             |           |           |      |
|        | 45         |             |           |           |      |
| 1070   | 90         |             |           |           |      |
|        | 10         |             |           |           |      |
|        | 90         |             |           |           |      |
| 1080   | 5          |             |           |           |      |
|        | 5          |             |           |           |      |
| 1090   | 90         |             |           |           |      |
|        | 5          |             |           |           |      |
|        | 5          |             |           |           |      |
| 1100   | 100        |             |           |           |      |
|        | 45         |             |           |           |      |
| 1110   | 60         |             |           |           |      |
|        | 30         |             |           |           |      |
|        | 10         |             |           |           |      |

as for 1010m'

as for 1010m'

Sandstone, white, loosely consolidated, medium to very coarse grained, dominantly coarse grained, subrounded to subangular, moderately sorted, quartzose

Cemented sst, as above

as for 1040m'

Sandstone, loosely consolidated, as above

Cemented sst, as above

Carbonaceous shale, black, fissile, pyritic

Cemented sst, as above

Sandstone, loosely consolidated, as above, dominantly v.g.

Cemented sst, as above

Sandstone, loosely consolidated, as above

Coal, black dull, as above

Sandstone, loosely consolidated, as above, m-c.g., dominantly c.g.

Coal, as above

Cemented Sst, as above

Sandstone, loosely consolidated, as above. c.g. dominant grain size, minor py. chert

Coal, as above

Sandstone, loosely consolidated, as above, m.g-v.c.g., dominantly c.g., py. chert

Sst, Cemented, as above, v.f.g., py. chert

Siltstone, med brown, hard, with carbonaceous flecks

|      |    |   |
|------|----|---|
| 1120 | 70 | Sandstone, light grey, white, hard, very fine grained, sub-rounded, moderately sorted, quartzose, occasional glauconite & occasional disseminated carbonaceous matter, slightly calcareous, cemented. Poor visual porosity. |
|      | 20 | Coal, black, dull   |
|      | 10 | Sandstone, loose, as above  |
| 1130 | 20 | Claystone, buff-brown, soft, dispersive   |
|      | 40 | Sandstone, cemented, buff, calcareous as above  |
|      | 30 | Sandstone, medium tan-brown, hard, very fine grained, sub-rounded, moderately sorted, quartzose, dolomitic, cemented. Poor visual porosity.   |
|      | 5  | Black Coal & Carbonaceous Shale, black  |
|      | 5  | Sst, loose, as above  |
| 1140 |    | A mixture of lithotypes, could be a badly contaminated sample   |
|      | 20 | Sandstone, loose, as above  |
|      | 20 | Dolomitic cemented sst, as above, v.f.g. grading into siltstone   |
|      | 20 | Sst, wh, cemented, as above   |
|      | 20 | White & Glauconite, c.g.  |
|      | 10 | Carbonaceous Shale, bk.   |
|      | 10 | Claystone, buff-brown, soft, dispersive.<br>Up to 5 to 6 Amber. (Mineral fluorescence)  |
| 1150 | 20 | Silty Claystone, med grey, soft, dispersive & carbonaceous  |
|      | 40 | Siltstone, buff-brown, hard, cemented, indurated, dolomitic, a few carbonaceous specks  |
|      | 20 | Sst, wh, cemented, as above   |
|      | 20 | Sst, loose, as above  |
|      | 4  | Carbonaceous shale black, amber.  |

|       |    |  |
|-------|----|--|
| 1160  | 90 | Sandstone, white to clear, loosely consolidated, very coarse grained to medium grained, dominantly coarse grained, sub-rounded to sub-angular, |
|       | 60 | Siltstone, dolomitic, as above   |
|       | 40 | Coal, black,   |
|       | 40 | Fine grained, cemented sst, pyritic cement.  |
| 1170  | 80 | Sst, wh, cemented, v.f.g, as above   |
|       | 30 | Sst, loosely consolidated, as above, v.r.g. dominant.  |
|       | 10 | Siltstone / v.f.g. sst, dolomitic, cemented, hard, as above  |
|       | 40 | Silty Claystone, med. brown, soft, dispersive.   |
| 1180m | 20 | Silty Claystone, buff-brown, soft, dispersive.   |
|       | 50 | Siltstone, medium brown, hard, dolomitic cemented, sl. glauconitic.  |
|       | 25 | Sst, loosely consolidated, as above, m-v.c.g. dominantly c.g.  |
|       | 5  | Py.c.g.  |
|       | 40 | Gl. dk gr, rods,   |
|       | 40 | Sst, wh, v.f.g. calcareous cemented as above   |
|       | 40 | Silty Claystone, dk. fm. to soft sl. carbonaceous  |
| 1190m | 80 | Sandstone, m-v.c.g. dominantly c.g., sub-rounded to sub-angular, moderately sorted, quartzose.   |
|       | 20 | Siltstone, medium brown, hard, dolomitic cemented, sl. glauconitic   |
|       | 40 | Siltstone, medium grey, hard & soft, carbonaceous flecks   |
|       |    | Note: the siltstone often appears as matrix adhering to the white to clear quartz sand grains  |
| 1200m | 80 | Siltstone, dolomitic as above minor gradation into v.f.g. dolomitic sandstone.   |
|       | 20 | Sandstone, loosely consolidated as above   |
|       | 40 | Cemented Sst, wh. fm. as above & a coal. bk & dispersive soft med. br. Silty Claystone   |

| SAMPLE | PERCENTAGE | SHALE | LMS | COAL | OTHER | DESCRIPTION  | WELL NAME | GEOLOGIST | PAGE |
|--------|------------|-------|-----|------|-------|--|-----------|-----------|------|
| 1205   |            |       |     |      |       | not logged   |           |           |      |
| 1210   | 60         |       |     |      |       | Clayey Siltstone, medium grey, firm to soft, sl. carbonaceous.   |           |           |      |
|        | 30         |       |     |      |       | Siltstone, buff-brown, hard, dolomitic, as above   |           |           |      |
|        | 10         |       |     |      |       | Sandstone, loosely consolidated, as above.   |           |           |      |
| 1215   | 70         |       |     |      |       | Sandstone, light yellow-white, hard, very fine grained, subrounded, moderate to well sorted, quartzose, dolomitic cement.  |           |           |      |
|        | 20         |       |     |      |       | Clayey Siltstone, as above   |           |           |      |
|        | 10         |       |     |      |       | Sandstone, loosely consolidated, as above  |           |           |      |
| 1220   | 70         |       |     |      |       | Silty Claystone, medium grey, firm to soft, dispersive (in part), sl. carbonaceous.  |           |           |      |
|        | 20         |       |     |      |       | Sandstone, dolomitic cement, as above.   |           |           |      |
|        | 10         |       |     |      |       | Sandstone, loosely consolidated, as above.   |           |           |      |
|        |            |       |     |      |       | (Up to 2% Glauconite in sample).   |           |           |      |
| 1225   | 90         |       |     |      |       | Silty Claystone, as above  |           |           |      |
|        | 10         |       |     |      |       | Sandstone, loose, as above   |           |           |      |
|        | 4          |       |     |      |       | Fine grained, crystal ssd, as above, sl. glauconitic.  |           |           |      |
| 1230   | 100        |       |     |      |       | Sandstone, white to light green (light green hue is most evident in hard specimen).<br>loose & partly cemented (hard), fine grained to granule (grit size), dominantly coarse grained, quartzose, sl. glauconitic, sl. carbonaceous, subrounded to subangular, dominantly subrounded, moderate to poorly sorted, weakly calcareous, sl. pyritic. |           |           |      |
|        | 4          |       |     |      |       | Silty Claystone, as above  |           |           |      |
| 1235   |            |       |     |      |       | as for 1230'   |           |           |      |
| 1240   |            |       |     |      |       | as for 1230'   |           |           |      |
| 1245   |            |       |     |      |       | as for 1230'   |           |           |      |

prob. original mineral glauconite  
 note: sl. & minor gl. clay, if it is the finer grained component that is  
 creates

| DEPTH | THICKNESS | SHALE | L | COAL | CLAY | SAMPLE | DESCRIPTION  |
|-------|-----------|-------|---|------|------|--------|--|
| 1250  |           |       |   |      |      |        | 100 Sandstone, dark green, loosely consolidated, medium to very coarse grained, dominantly coarse grained, moderately rounded, moderately sorted, quartzose, argillaceous glauconitic matrix. Quartz is discoloured, fine clay adhering to fine grains.<br>'as for 1250' |
| 1255  |           |       |   |      |      |        | 'as for 1250'  |
| 1260  |           |       |   |      |      |        | 100 Sandstone, dark green, loosely consolidated, medium to coarse grained, well rounded, well sorted, quartzose, argillaceous glauconitic matrix. Quartz is discoloured, fine clay adhering to quartz grains. Some fine iron staining.<br>'as for 1250'                  |
| 1270  |           |       |   |      |      |        | 100 Sandstone, light green-white, loosely consolidated, medium to coarse grained, sub-rounded to sub-angular, moderately sorted, quartzose, argillaceous glauconitic matrix. Some quartz discoloured.<br>'as for 1270'   |
| 1275  |           |       |   |      |      |        | 'as for 1270'  |
| 1280  |           |       |   |      |      |        | 'as for 1270'  |
| 1285  |           |       |   |      |      |        | 'as for 1270'  |
| 1290  |           |       |   |      |      |        | 'as for 1270'  |
| 1295  |           |       |   |      |      |        | 'as for 1270 m; pyritic cement'  |
| 1300  |           |       |   |      |      |        | 'as for 1295 m'  |
| 1305  |           |       |   |      |      |        | 100 Sandstone, as above, fine to coarse grained, dominantly medium grained, as above<br>'as for 1305 m'  |
| 1310  |           |       |   |      |      |        | 'as for 1305 m'  |
| 1315  |           |       |   |      |      |        | 'as for 1305 m'  |
| 1320  |           |       |   |      |      |        | 100 Sandstone, yellow-green light grey, white, loosely consolidated, medium to coarse grained, dominantly coarse grained, subrounded to subangular, moderately sorted, pyritic cement is abundant<br>'as for 1305 m'   |



| SAMPLE | PERCENTAGE | DESCRIPTION  | WELL NAME | GEOLOGIST | PAGE |
|--------|------------|--|-----------|-----------|------|
| 1325   |            | Sandstone - as for 1320' but f-cg, dominantly m.g.   |           |           |      |
| 1330   | 90         | Sandstone as for 1325'   |           |           |      |
| 1335   | 10         | Silty Claystone, dk grey-bn, v. soft, dispersive   |           |           |      |
|        | 90         | SSA, as above  |           |           |      |
| 1340   | 10         | Silty Claystone, as above  |           |           |      |
|        | 70         | SSA, as above  |           |           |      |
|        | 30         | Silty Claystone, as above  |           |           |      |
| 1345   | 100        | Silty Claystone, medium grey, very soft, dispersive, strongly glauconitic                  |           |           |      |
| 1350   | 100        | as for 1345'   |           |           |      |
| 1355   | 100        | as for 1345'   |           |           |      |
| 1360   | 100        | Silty Claystone, medium to dark grey, firm to soft, strongly glauconitic, trace py. cement |           |           |      |
| 1365   | 100        | as for 1360'   |           |           |      |
| 1370   |            | as for 1360'   |           |           |      |
| 1375   |            | as for 1360'   |           |           |      |
| 1380   |            | as for 1360' - trace dolomite, buff brown, sl. glauconitic                                 |           |           |      |
| 1385   |            | as for 1360'   |           |           |      |
| 1390   |            | as for 1360'   |           |           |      |
| 1395   |            | as for 1360'   |           |           |      |
| 1400   |            | as for 1360' - trace dolomite, buff-brown, sl. glauconitic                                 |           |           |      |
| 1403   |            | as for 1400'   |           |           |      |
| 1406   |            | as for 1400'   |           |           |      |
| 1409   |            | as for 1400'   |           |           |      |
| 1412   |            | as for 1400'   |           |           |      |
| 1415   |            | as for 1400' - trace dolomite buff-brown, sl. glauconitic                                  |           |           |      |

|      |   |                  |  |  |
|------|---|------------------|--|--|
| 1418 | SILTY CLAYSTONE, med gr, firm to soft, richly glauconitic, glauconite is f.g. to mg sand size   | 459 ft<br>1459 m |  |  |
| 1421 | as for 1418m'   |                  |  |  |
| 1424 | as for 1418m'   |                  |  |  |
| 1427 | as for 1418m'   |                  |  |  |
| 1430 | as for 1418m'   |                  |  |  |
| 1433 | as for 1418m'   |                  |  |  |
| 1436 | SILTY CLAYSTONE, as above   |                  |  |  |
| 75   | GLAUCONITIC SANDSTONE, green white, coarse, fine to medium grained, dominantly medium grained, subrounded, weakly carbonated. Accessories, bk. coal, pyritic. |                  |  |  |
| 5    | Dolomite, tan-brown, hard, slightly glauconitic   |                  |  |  |
| 100  | SILTY CLAYSTONE, as above   |                  |  |  |
| 1439 | GLAUCONITIC SANDSTONE, as above   |                  |  |  |
| 1442 | as for 1436'  |                  |  |  |
| 1445 | as for 1436'  |                  |  |  |
| 1448 | as for 1436'  |                  |  |  |
| 90%  | Silty Claystone, as above.  |                  |  |  |
| 10%  | qtz - some wh, some y-bn, discolored,   |                  |  |  |
| 1451 | Silty Claystone, as above   |                  |  |  |
| 10   | Glauconitic sst, as above   |                  |  |  |
| 1454 | Silty Claystone, as above   |                  |  |  |
| 30   | Glauconitic m.s. quartz grains v-bn discolored, as above  |                  |  |  |

(0.2)



| SAMPLE | PERCENTAGE | DESCRIPTION   | WELL NAME | GEOLOGIST | PAGE |
|--------|------------|---|-----------|-----------|------|
| 1481   |            | - Badly contaminated sample after coring'   |           |           |      |
| 1484   | 80         | Sandstone, light gray-white, <del>medium</del> <sup>medium</sup> grained to very coarse grained, <sup>dominantly coarse grained</sup> loosely consolidated, angular to sub-angular, moderately sorted, trace pyritic cement. (PTE has white clay on fracture) |           |           |      |
|        | 10         | Silty Claystone, dark gray, hard.   |           |           |      |
|        | 10         | Sandstone, white, firm cemented, fine grained, calcareous & white clay cement.  |           |           |      |
| 1487   | 90         | Sandstone, as for '1484'  |           |           |      |
|        | 5          | Silty Claystone as above  |           |           |      |
|        | 5          | Coal, black, dull, hard earthy (i.e. low grade, argillaceous)   |           |           |      |
| 1490   | 60         | Sandstone, white, loosely consolidated, medium to very coarse grained, dominantly coarse grained, angular to sub-angular, moderately sorted,  |           |           |      |
|        | 35         | Clayey Siltstone, dark grey, hard, moderately glauconitic   |           |           |      |
|        | 5          | Sandstone, f.g. calcareous cemented as above  |           |           |      |
| 1493   | 70         | Sandstone, loosely consolidated, as above   |           |           |      |
|        | 20         | Clayey Siltstone, as above  |           |           |      |
|        | 5          | Coal, black, dull, as above   |           |           |      |
|        | 5          | Sandstone, f.g. calcareous cemented, as above.  |           |           |      |
| 1496   | 70         | Sandstone, loosely consolidated, as above   |           |           |      |
|        | 20         | Sandstone, f.g. calcareous cemented as above  |           |           |      |
|        | 10         | Clayey Siltstone as above   |           |           |      |
| 1499   | 45         | e.g. amber or resin & pyrite (solitary & as a cement.)  |           |           |      |
|        |            | ' as for 1496'  |           |           |      |
| 1502   | 85         | Sand <sup>st</sup> (loose as above, m-c.g. dominantly c.g.  |           |           |      |
|        | 5          | Clayey Siltstone, as above.   |           |           |      |

| SAMPLE | PERCENTAGE | DESCRIPTION  | WELL NAME | LOGGIST | PAGE |
|--------|------------|--|-----------|---------|------|
| 1505   | 80         | Sandstone, loose, dm. c.g. as above.   |           |         |      |
|        | 15         | Claystone, silty, dark grey, firm to soft, moderately glauconitic.           |           |         |      |
|        | 5          | Wh cemented sst, calcareous, f.g. as above                                   |           |         |      |
|        | tr         | lithic sst, f.g.   |           |         |      |
| 1508.  | 30         | Sandstone, y-bn, hard, cemented, v.f.g., matrix dominant dolomitic cemented. |           |         |      |
|        | 10         | Sandstone, wh, hard, cemented, v.f.g., calcareous cemented.                  |           |         |      |
|        | 5          | Claystone as above   |           |         |      |
|        | 55         | Sandstone, loose, as above   |           |         |      |
| 1511   | 70         | Sandstone, y-bn, hard, v.f.g., dolomitic, as above                           |           |         |      |
|        | 15         | Sandstone, loose, as above   |           |         |      |
|        | 15         | Claystone, as above  |           |         |      |
|        | tr         | wh cemented, calcareous sst  |           |         |      |
| 1514   | 70         | CLAYSTONE, silty, dk gy, firm, sl. calcareous, sl. glauconitic.              |           |         |      |
|        | 10         | Dolomite, y-bn, tan, hard.   |           |         |      |
|        | 5          | Dolomitic Sst as above   |           |         |      |
|        | 5          | Wh cemented, calcareous sl as above  |           |         |      |
|        | 10         | Sst, loose, as above   |           |         |      |
| 1517   | 70         | Silty CLAYSTONE, dk gy, firm, moderate to strongly glauconitic               |           |         |      |
|        | 10         | Dolomitic Sst, hard as above   |           |         |      |
|        | 15         | Wh, cemented, calcareous sst as above  |           |         |      |
|        | 5          | Sst, loose as above  |           |         |      |
| 1520   | 70         | CLAYEY SLTSTONE, med gy - med bn, firm, sl. calcareous, sl. micaeous         |           |         |      |
|        |            | sl glauconitic   |           |         |      |
|        | 20         | Dolomitic calcareous sst as above  |           |         |      |
|        | 10         | Calcareous cemented sst as above   |           |         |      |

| SAMPLE | PERCENTAGE | DESCRIPTION  | LL | ME | OL | P |
|--------|------------|--|----|----|----|---|
| 1523   | 40         | Wh cemented sst, calcareous as above   |    |    |    |   |
|        | 20         | Dolomitic cemented sst, y-bn, tan, as above  |    |    |    |   |
|        | 40         | Clayey siltstone, as above   |    |    |    |   |
|        | 4          | lithic sst, f.g.   |    |    |    |   |
| 1526   | 60         | Clayey siltstone, as above   |    |    |    |   |
|        | 10         | Dolomite, y-bn, tan, hard  |    |    |    |   |
|        | 20         | Dolomitic cemented sst, as above   |    |    |    |   |
|        | 10         | Wh cemented calcareous sst as above.   |    |    |    |   |
|        | 4          | loose gtz, pyrite & sst fragments  |    |    |    |   |
| 1529   | 70         | Clayey siltstone, medium grey, feldspathic, pebbles & salt textured, & carbonaceous. |    |    |    |   |
|        | 20         | Wh cemented sst, as above  |    |    |    |   |
|        | 10         | Dolomitic cemented sst as above  |    |    |    |   |
|        | 4          | lithic sst, f.g.   |    |    |    |   |
| 1532   | 60         | Clayey siltstone, as above.  |    |    |    |   |
|        | 20         | Wh. cemented sst, as above   |    |    |    |   |
|        | 20         | Dolomitic siltstone, buff-green brown, soft  |    |    |    |   |
|        | 4          | loose sst, dominantly c.g., as above   |    |    |    |   |
|        | 4          | lithic sst, f.g.   |    |    |    |   |
| 1535   | 30         | Coal, black, shiny.  |    |    |    |   |
|        | 70         | Siltstone, dark brown, firm to soft, st. carbonaceous.                               |    |    |    |   |
|        | 4          | Dolomitic siltstone, as above  |    |    |    |   |

|      |     |  |
|------|-----|--|
| 1538 | 100 | SILTSTONE, dark grey to medium brown, firm to soft, sl. carbonaceous.  |
|      | 4   | Black coal, dolomitic sst & wh conchoidal sst, as above  |
| 1541 | 90  | SILTY CLAYSTONE & SILTSTONE, dark grey light grey and buff brown, firm to soft, The claystone is moderately glauconitic, The siltstone is black & white speckled feldspathic & slightly carbonaceous, slightly micaceous   |
|      | 4   | Black coal & carbonaceous shale  |
|      | 4   | shell fragments, e.g. glauconite rods  |
|      | 10  | Quartz, e.g. loose   |
| 1544 | 20  | Black Coal (cave-in?), vitreous lustre.  |
|      | 90  | SILTY CLAYSTONE & SILTSTONE, as above. Note: up to 30% of this lithotype is soft, buff-weathering, dolomitic siltstone   |
|      | 10  | Quartz, e.g. loose   |
|      | 4   | e.g. pyrite and shell fragments  |
| 1547 | 80  | Sandstone, lithic, dominantly white with grey & green speckles, firm, weakly cemented, fine grained. Liths of grey quartz & quartzite, white felds <sup>light</sup> & brown quartzite  |
|      | 30  | SILTY CLAYSTONE & SILTSTONE, as above  |
|      | 10  | Quartz, m.g. - v.c.g., clear to white, loose, as above   |
| 1550 | 100 | LITHIC SANDSTONE, dominantly lt grey-white with dark grey, green & minor red-brown speckles (liths), fine grained, moderately sorted. Sand is quartzose & lithic. The quartz is quite angular, the liths tend to be sub-rounded to well rounded. The liths are mostly quartzite, rock fragments. The white matrix is calcareous. |
| 1553 | 60  | LITHIC SANDSTONE, as above   |
|      | 40  | SANDSTONE, lith to clear, poorly cemented, m-v.c.g. dominantly e.g. sub-angular to sub-rounded, moderate to poorly sorted.   |
|      | 4   | SILTY CLAYSTONE & SILTSTONE, as above & v.c.g. grey quartzite fragments  |

| SAMPLE | PERCENTAGE | SAMPLE          | DESCRIPTION   | WELL NAME | GEOLOGIST | PAGE |
|--------|------------|-----------------|---|-----------|-----------|------|
| 1556   | 95         | LITIC SANDSTONE | as above  |           |           |      |
|        | 5          | SILTSTONE       | red brown, firm to hard, strongly glauconitic, siliceous, il. carbonaceous.   |           |           |      |
| 1559   | 90         | SANDSTONE       | white, loosely consolidated, medium to very coarse grained, dominantly coarse grained, subangular to subrounded, moderate to poorly sorted, quartzite,  |           |           |      |
|        | 10         | LITIC SANDSTONE | as above  |           |           |      |
| 1562   | 50         | SANDSTONE       | white, loose, A/A.  |           |           |      |
|        | 30         | LITIC SANDSTONE | as above  |           |           |      |
|        | 20         | SILTY SANDSTONE | as above  |           |           |      |
| 1565   | 100        | CLAYSTONE       | light grey, very soft, puggy. Texture a slight whiteness indicates probably kaolinitic.   |           |           |      |
| 1568   | 100        | CLAYSTONE       | as above  |           |           |      |
| 1571   | 95         | LITIC SANDSTONE | white, dark grey & green, fine to very coarse grained, dominantly medium grained, subangular to subrounded, moderately sorted, quartzite and lithic. Quartz is clear to white. Lithics are dominantly dark grey & medium green quartzite liths with light green - white clay adhering to surface. |           |           |      |
|        | 5          | SILTY CLAYSTONE | light grey & cream brown, soft, siliceous   |           |           |      |
| 1574   | 95         | LITIC SANDSTONE | as above  |           |           |      |
|        | 5          | SILTY CLAYSTONE | as above  |           |           |      |
| 1577   | 70         | LITIC SANDSTONE | as above  |           |           |      |
|        | 30         | SILTY CLAYSTONE | as above  |           |           |      |
| 1580   | 100        | LITIC SANDSTONE | as above, dominantly c.g.   |           |           |      |
|        | 4          | Block Coal      |   |           |           |      |
| 1583   | 100        | LITIC SANDSTONE | as above, minor red-brown lithics   |           |           |      |
| 1586   |            |                 |   |           |           |      |

Top of way 1562m



|      |     |   |
|------|-----|---|
| 1586 | 70  | LITIC SANDSTONE, as above   |
| 1589 | 30  | SILTY CLAYSTONE, as above   |
| 1592 | 90  | LITIC SANDSTONE, as above, f-u.c.g, dominantly f-m.g.   |
| 1595 | 10  | SILTY CLAYSTONE, medium to dark grey, firm to soft, moderately glauconitic<br>' as for 1989m' |
| 1598 | 100 | CLAYSTONE, light grey, very soft, sticky, puggy.  |
| 1601 | 4   | LITIC SANDSTONE,<br>' as for 1989m'   |
| 1603 |     | ' as for 1989m'   |

Total Depth 1603 metres



APPENDIX - 3

CORE DESCRIPTIONS AND ANALYSIS

Note: The depths on the core description sheets are drillers depths. These have been shown to be 2 metres shallow when compared with the wireline logs. The mistie is assumed to have arisen due to the neglect of part of the BHA in the drill string tally whilst drilling. The solution to the mistie is best achieved by matching the coal bed within the Flaxmans Formation in the core with the log character of coal on the Sonic Log.

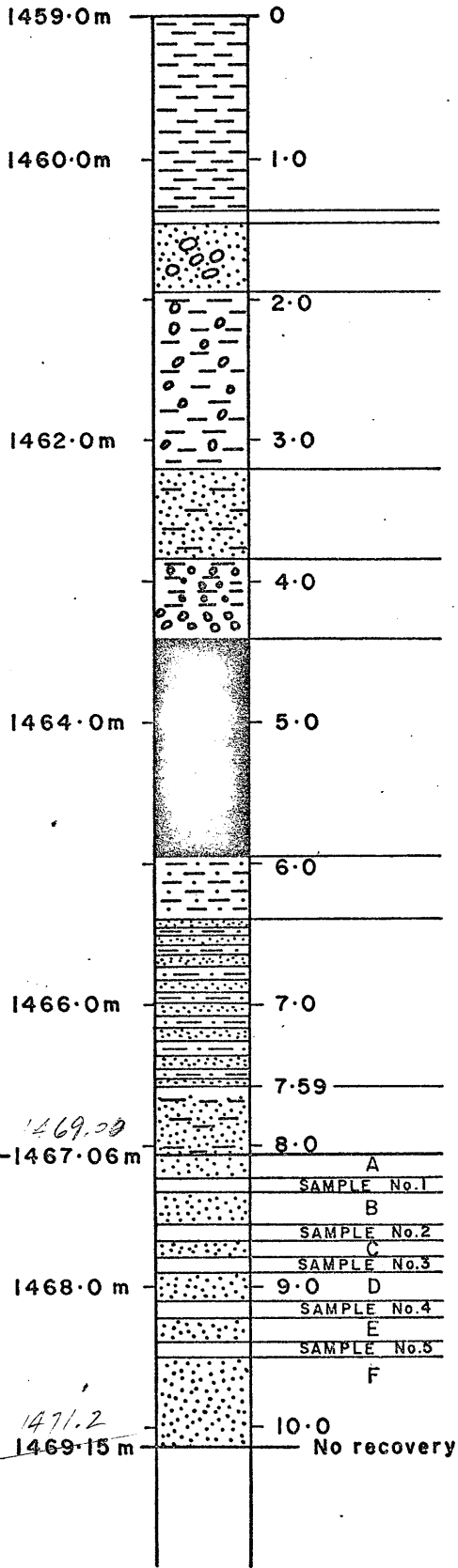
BEACH PETROLEUM N.L.  
NORTH PAARATTE No.2

CORE No.1 1459.0m - 1469.15m

CUT INTERVAL : 10.15m % age RECOVERY : 99.8 %  
RECOVERY : 10.13m LOGGING GEOLOGIST : D.M.HARRISON

FLAXMANS FORMATION

WAARRE FORMATION



CLAYSTONE, MEDIUM TO DARK GREY, HARD, INDURATED, MASSIVE BEDDING. MINOR LARGE SHELL FRAGMENTS ( LAMELLIBRANCHS ) AND MINOR SIDERITE NODULES. MINOR SLICKENSIDES .

CLAYSTONE, DARK GREY AND GREEN WITH MINOR FINE GRAINED SAND AGGREGATES.  
SANDSTONE, LIGHT GREY-GREEN, LIGHT BROWN, HARD FINE GRAINED, CALCAREOUS, STRUCTURAL ASPECT OF A CONGLOMERATE, NODULAR WITH CLAYSTONE AS ABOVE INTERMIXED.

SANDY CLAYSTONE, DARK GREY & MINOR WHITE, HARD. 50% GRAINS AND 50% CLAY MATRIX. QUARTZ IS MEDIUM GRAINED TO VERY COARSE TO MINOR GRANULE, DOMINANTLY VERY COARSE GRAINED AND ANGULAR. TRACE PYRITE AND FOSSIL WOOD. MASSIVE BEDDING.

SANDSTONE, LIGHT GREY-LIGHT GREEN, HARD, FINE GRAINED TO VERY FINE GRAINED, MODERATELY SORTED, QUARTZOSE WITH INTERLAMINATED SILTSTONE, DARK GREY-GREEN.

SANDY CLAYSTONE, AS ABOVE AT TOP GRADING INTO PEBBLE CONGLOMERATE, DARK GREY WHITE, HARD, 80% PEBBLE SIZE, ANGULAR QUARTZ WITH 20% DARK GREY CLAY MATRIX.

COAL, BLACK, DULL, LOW GRADE, PYRITIC, MINOR RESIN AND AMBER. COMMON SLICKENSIDES. BECOMING ARGILLACEOUS TOWARDS BASE.

SILTY CLAYSTONE, DARK GREY, HARD, CARBONACEOUS WITH COMMON ASSOCIATED PYRITE.

SANDSTONE/SILTSTONE, THINLY INTERLAMINATED.

SANDSTONE, WHITE TO LIGHT GREY, HARD, FINE TO VERY FINE GRAINED, MODERATELY SORTED, QUARTZOSE, TRACE PYRITE.

SILTSTONE, MEDIUM TO DARK GREY, HARD.

SANDSTONE/SILTSTONE, THINLY INTERLAMINATED.

SANDSTONE, LIGHT GREY-WHITE, SOFT-FIRM, FINE GRAINED TO MEDIUM GRAINED, DOMINANTLY M.G., WELL SORTED, QTZOSE, GOOD VIS Ø, PETROLIFEROUS ODOUR  
SILTSTONE, BLACK TO D.GREY, FIRM, CARBONACEOUS.

A/SANDSTONE, LT GY-WH, SOFT F.G.-C.G, DOM M.G, SUB-ROUNDED TO SUB-ANGULAR, MODERATELY SORTED, QTZOSE, TR DISSEMINATED CARBONACEOUS MATERIAL WITH MINOR CARBONACEOUS LAMINAE. EXCELLENT VISIBLE Ø, STRONG PETROLIFEROUS ODOUR.

B/SANDSTONE, LT GY, SOFT, WEAKLY CEMENTED TO LOOSELY CONSOLIDATED, M.G. TO V.C.G., DOM C.G., SUB-ROUNDED TO SUB-ANGULAR, MODERATE TO WELL SORTED, QTZOSE, MINOR CARBONACEOUS STREAKS AND INTERLAMINAE EXCELLENT VISIBLE Ø, STRONG PETROLIFEROUS ODOUR.

C/SANDSTONE, LT GY-WH, FINE GRAINED TO COARSE GRAINED, DOMINANTLY MEDIUM GRAINED, WEAKLY CEMENTED TO LOOSELY CONSOLIDATED, QUARTZOSE, SUBROUNDED, WELL SORTED, TRACE DISSEMINATED CARBONACEOUS MATTER AND MINOR STREAKS CARBONACEOUS MATTER. EXCELLENT VISIBLE Ø, STRONG PETROLIFEROUS ODOUR.

D/SANDSTONE, LT GY-WH, FIRM, F.G.-M.G, DOMINANTLY M.G., WELL SORTED, SUB-ROUNDED, QUARTZOSE, TRACE CARBONACEOUS MATTER AND MINOR CARBONACEOUS STREAKS. EXCELLENT VISIBLE POROSITY, STRONG PETROLIFEROUS ODOUR

E/ 'AS FOR D'

F/ 'AS FOR D'

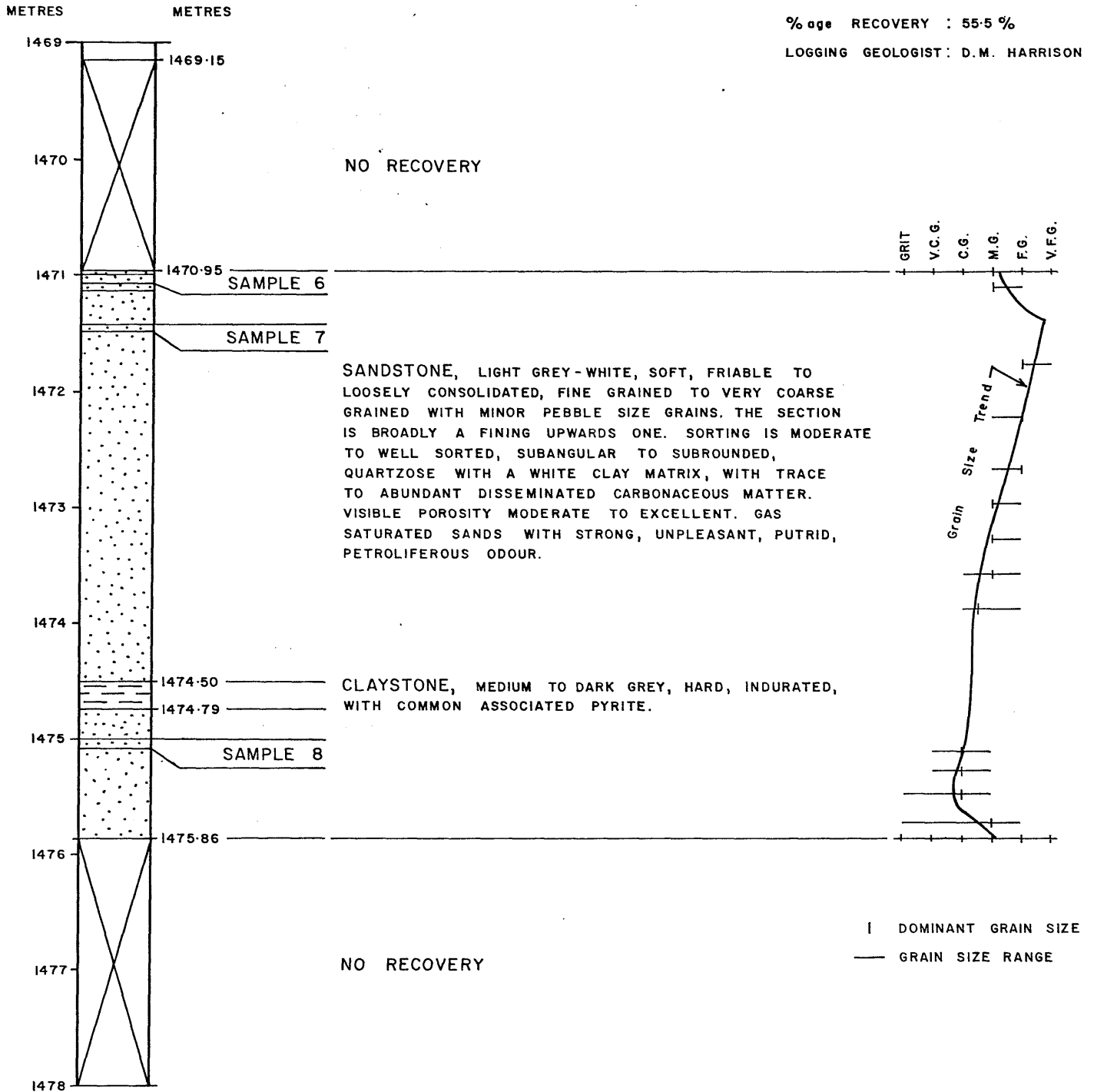
NOTE :- WAARRE SAND SECTION HAS EXCELLENT VISIBLE POROSITY WITH STRONG PETROLIFEROUS ODOUR

NOTE :- THE MAJOR PORTION OF SAND 'F' WAS LOOSELY CONSOLIDATED TO UNCONSOLIDATED.

BEACH PETROLEUM N.L.  
NORTH PAARATTE No.2

CORE N° 2 1469.15m — 1478.00m

CUT INTERVAL : 8.85m  
RECOVERY : 4.91m  
% age RECOVERY : 55.5 %  
LOGGING GEOLOGIST : D.M. HARRISON



NOTE : THE SECTION WAS BASICALLY LOOSELY CONSOLIDATED AND FELL OUT OF THE CORE BARREL MINOR SECTIONS REMAINED INTACT AND CONSOLIDATED AT SURFACE. THESE WERE 1470.95 - 1471.13 m, 1471.4 - 1471.47, 1474.99 - 1475.16m.  
THE CLAYSTONE BED AT 1474.50 TO 1474.74m WAS FIXED BY THE DRILLING RATE CURVE AND THE LOOSELY CONSOLIDATED SAND DISTRIBUTED EITHER SIDE OF THE CLAYSTONE. IT IS THEREFORE INFERRED THAT SECTION WAS LOST BOTH AT THE TOP AND THE BOTTOM OF THE CORE.  
THE UPPERMOST PART OF THE SECTION FLOWED AND BLEW OUT OF THE CORE BARREL DUE TO THE GAS SATURATED NATURE OF THE SECTION.

CORE LABORATORIES, INC.

Petroleum Reservoir Engineering  
DALLAS, TEXAS

CORE ANALYSIS RESULTS *E 1 & 2 COMBINED*

Company BEACH PETROLEUM N.L. Formation \_\_\_\_\_ File WA-CA-127  
Well NORTH PAARATTE NO 2 Core Type CONV. Date Report 5 MARCH 81  
Field \_\_\_\_\_ Drilling Fluid \_\_\_\_\_ Analysts GK DS  
County AUST State VIC. Elev. \_\_\_\_\_ Location OTWAY BASIN.

Lithological Abbreviations

SAND - SD    DOLOMITE - DOL    ANHYDRITE - ANHY    SANDY - SDY    FINE - FN    CRYSTALLINE - XLN    BROWN - BRN    FRACTURED - FRAC    SLIGHTLY - SL/  
SHALE - SH    CHERT - CH    CONGLOMERATE - CONG    SHALY - SHY    MEDIUM - MED    GRAIN - GRN    GRAY - GY    LAMINATION - LAM    VERY - V/  
LIME - LM    GYPSUM - GYP    FOSSILIFEROUS - FOSS    LIMY - LMY    COARSE - CSE    GRANULAR - GRNL    VUGGY - VGY    STYLOLITIC - STY    WITH - W/

| SAMPLE NUMBER | DEPTH FEET M  | PERMEABILITY MILLIDARCS KL | POROSITY PER CENT | RESIDUAL SATURATION PER CENT PORE |             | GRAIN DENS. | SAMPLE DESCRIPTION AND REMARKS  |
|---------------|---|----------------------------|-------------------|-----------------------------------|-------------|-------------|---|
|               |   |                            |                   | OIL                               | TOTAL WATER |             |   |
|               |   |                            |                   |                                   |             |             | HORIZ. VERT.  |
| 1             | <i>1469.1</i><br>?                                  | 449                        | 65                | 26.5                              |             | 2.67        | SST: lt-med gy, med-v crse, firm poor sort wht cly mtx, sub ang, minor argill carb lams |
|               | <i>E 1</i><br>?                                     | 1026                       | 600               | 24.9                              |             | 2.68        | SST: A/A, med crse, mod sort, occ v. crse qtz grains.                                   |
|               | ?   | 274                        | 15                | 25.2                              |             | 2.67        | SST: lt gy, fn-v crse, firm, v poor sort, wht cly mtx, sub ang, minor argill carb lams  |
| 4             | ?   | 44                         | 5.5               | 21.2                              |             | 2.65        | SST: A/A, fn med, hd, mod sort.   |
| 5             | <i>1471.2</i><br>?                                  | 539                        | 35                | 25.6                              |             | 2.65        | SST: A/A med crse.  |
|               | <del>1469.2</del>                                   | 34                         | 8.3               | 20.3                              |             | 2.64        | SST: A/A, abunt argill carb laminations.  |
|               | <i>E 2</i><br><i>1471.0</i><br><del>1469.03</del> ? | 988                        | 276               | 29.0                              |             | 2.69        | SST: A/A, med crse, firm, well sort.  |
|               | <i>1475.2</i><br><del>1473.19</del>                 | 847                        | 481               | 25.6                              |             | 2.76        | SST: med gy, crse-v crse, fria, mod sort, argill mtx, sub ang sub rnd, abunt pyrite.    |
|               | <i>1476.1</i>                                       |                            |                   |                                   |             |             |   |
|               |   | <i>270/3</i>               | <i>1536/3</i>     | <i>17.1/3 =</i>                   |             |             |   |
|               |   | <i>525</i>                 |                   | <i>24.8</i>                       |             |             |   |

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other material well or sand in connection with which such report is used or relied upon.

Received  
Jm  
2/4/81.

\*  
BEAPET AA36500  
TO MR D HARRISON - BEACH PETROLEUM  
CC D SISELY - CORELAB PERTH

FM T KENNAIRD - CORELAB SPORE

TLX 4433  
2 APR 81

YR REF: TLX NO. 2/4  
OUR REF: SNSCAL 81010

RE: N. PAARATTE NO. 2  
-----

FLWG POROFORM MEASUREMENTS, PLUGS WERE SATURATED N FF MEASURED ON SEVERAL CONSECUTIVE DAYS UNTIL RESULTS STABLE (INDICATING IONIC EQUILIBRIUM). SAMPLES ARE NOW IN CAP. PRESS. CELLS WHERE THEY MUST COME INTO CAPILLARY EQUILIBRIUM AT EACH OF SIX PRESSURE POINTS. THIS WILL TAKE APPROX 4 WKS. (R1 WILL BE MEASURED IN CONJUNCTION WITH CAP. PRESS. TESTS).  
HERE IS FF DATA:

| SAMPLE NO. | POROSITY PERCENT | FF   | M    |
|------------|------------------|------|------|
| 2H         | 23.2             | 11.5 | 1.67 |
| 5H         | 25.1             | 9.9  | 1.66 |

INTERCEPT 'A' ASSUMED TO BE UNITY.

RGDS  
NNN  
CORELAB RS21423\*  
BEAPET AA36500  
VVVV

BEAPETDAMBBBON - BEACH PETROLEUM, MELBOURNE  
 FM T KEN

Received  
 9 am  
 22/4/81.

BEAPET AA36500  
 TO MR D HARRISON - BEACH PETROLEUM, MELBOURNE  
 FM T KENNAIRD - CORELAB SPORE

TLX 4673  
 20 APR 81

RE: NORTH PAARATTE NO. 2  
 OUR REF: SNSCAL 81010

-----  
 HERE ARE PRELIMINARY AIR-BRINE CAP. PRESS. N RESISTIVITY INDEX  
 RESULTS:

| SAMPLE NO. | KA(MD) | PRESSURE, PSI                       |      |      |      |      |      |
|------------|--------|-------------------------------------|------|------|------|------|------|
|            |        | 1                                   | 2    | 4    | 8    | 15   | 35   |
|            |        | BRINE SATURATION PERCENT PORE SPACE |      |      |      |      |      |
| 2H         | 1170   | 69.3                                | 51.2 | 39.5 | 32.9 | 30.9 | 29.7 |
| 5H         | 587    | 93.8                                | 67.3 | 56.1 | 48.3 | 44.6 | 43.4 |

| SAMPLE NO. | POROSITY<br>PERCENT | FF   | BRINE SATN.<br>PERCENT PORE<br>SPACE | RESISTIVITY | AVERAGE |
|------------|---------------------|------|--------------------------------------|-------------|---------|
|            |                     |      |                                      | INDEX       | 'N'     |
| 2H         | 23.2                | 11.5 | 100.0                                | 1.00        | 1.83    |
|            |                     |      | 69.3                                 | 1.97        |         |
|            |                     |      | 51.2                                 | 3.40        |         |
|            |                     |      | 39.5                                 | 5.42        |         |
|            |                     |      | 30.9                                 | 8.50        |         |
| 5H         | 25.1                | 9.9  | 100.0                                | 1.00        | 1.73    |
|            |                     |      | 67.3                                 | 1.98        |         |
|            |                     |      | 56.1                                 | 2.75        |         |
|            |                     |      | 48.3                                 | 3.55        |         |
|            |                     |      | 44.6                                 | 3.94        |         |

RGDS  
 NNN  
 CORELAB RS21423\*  
 BEAPET AA36500  
 VVVV

SPECIAL CORE ANALYSIS REPORT  
FOR  
BEACH PETROLEUM N.L.

WELL: NORTH PAARATTE NO.2

OIL and GAS DIVISION

27 JUL 1981

Special Core Analysis





**CORE LABORATORIES**

Special Core Analysis



Beach Petroleum N.L.  
32nd Floor, 360 Collins Street  
Melbourne  
Victoria 3000  
Australia

Attention: Mr. D Harrison

April 1981

Subject: Special Core Analysis  
Well : North Paaratte No.2  
File : SNSCAL 81010

Gentlemen,

In Order No. 272, dated February 25, 1981, Mr. Ian McPhee of Beach Petroleum N.L. requested Core Laboratories to perform various special core analysis measurements on two samples from the subject well.

Two one-inch diameter plug-size samples were despatched from our Perth laboratory to our Singapore laboratory in preparation for this study. These samples are described with respect to lithology on page 1 of this report.

Air-Brine Capillary Pressure (Pages 2 through 4)

Both samples had been cleaned prior to analysis in Perth. Their cleanliness was verified by checking with ultra-violet light (to detect oil) and methanol (to detect salt). The samples were then dried in an oven maintained at 40-45% relative humidity.

The clean dry samples were evacuated and pressure saturated with a simulated formation brine having a concentration of approximately 24,000 mg/l. This brine was synthesised from an  $R_w$  value given by Beach Petroleum, and its salt content comprised 80% sodium chloride and 20% calcium chloride since a full brine analysis was not available.

After measurements of formation factor had been made, the samples were placed in a porous plate cell and humidified air introduced at increasing incremental pressures up to 35 psi. At equilibrium saturations the samples were removed from the cell and the brine saturations determined gravimetrically.

Cont'd....

Beach Petroleum N.L.  
Well: North Paaratte No.2  
April 1981

Page Two

The results of the measurements are presented in tabular form on page 2 and in graphical form on pages 3 and 4.

Considering the air permeabilities of these two samples, the irreducible water saturations appear rather high. It may be possible that the coarse grained lamination in sample number 2H, and the carbonaceous laminations in sample number 5H tend to channel air flow at conditions of low overburden pressure. At conditions of reservoir overburden pressure it might be found that both samples would exhibit lower air permeabilities.

Formation Factor and Resistivity Index (Pages 5 through 9)

Prior to performing capillary pressure measurements electrical resistivities of the brine saturated samples and the saturant brine were measured on consecutive days until the results stabilised indicating ionic equilibrium within the core samples.

Formation resistivity factors were calculated and the results are presented in tabular form on page 5 and graphical form on page 6. The resultant plot yields a value of unity for the intercept "a" and an average value of 1.67 for the cementation exponent "m".

Electrical resistivities of the partially saturated plugs were measured in conjunction with the capillary pressure measurements. Resistivity index values were calculated and the results are presented in tabular form on page 5 and in graphical form on pages 7 through 9. The resultant plots yield values for the saturation exponent "n" of 1.83 for sample number 2H and 1.73 for sample number 5H. The composite plot gives a value of 1.78 for "n".

It has been a pleasure to perform this study for Beach Petroleum and should you have any questions or require further assistance, please do not hesitate to contact us.

Yours faithfully  
CORE LABORATORIES INTERNATIONAL LTD

*Tony Kennaird*

TONY KENNAIRD  
Laboratory Manager  
Special Core Analysis

Enc

TK/sb

TABLE OF CONTENTS

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| Sample Identification and Lithological Description | 1           |
| Air-Brine Capillary Pressure                       |             |
| Tabular  | 2           |
| Graphical  | 3           |
| Formation Factor and Resistivity Index             |             |
| Tabular  | 5           |
| Graphical  | 6           |

COMPANY: BEACH PETROLEUM N.L.

FORMATION:

WELL: NORTH PAARATTE NO.2

COUNTRY: AUSTRALIA

FIELD:

IDENTIFICATION AND DESCRIPTION OF SAMPLES

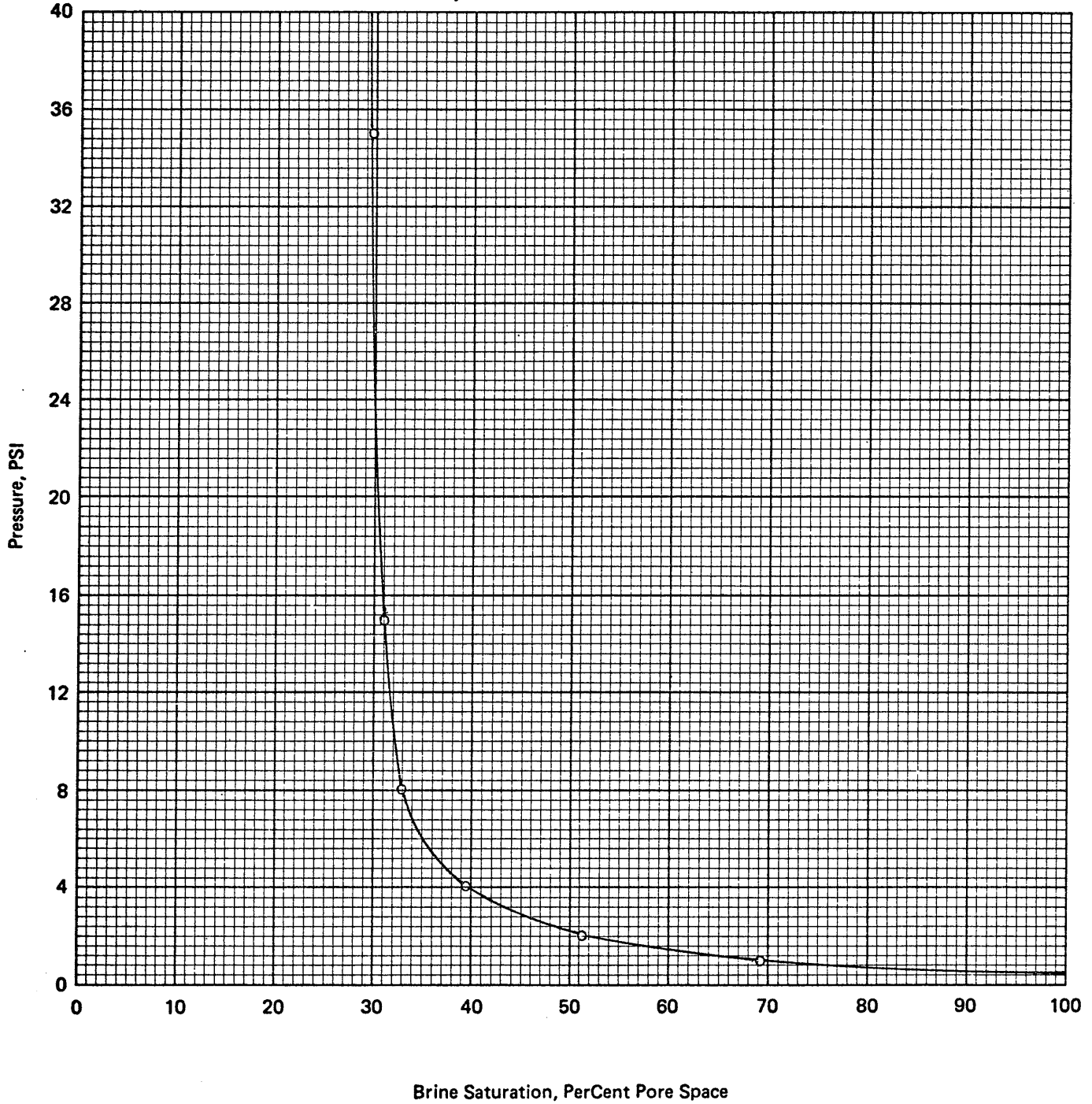
| <u>Sample Number</u> | <u>Depth, Feet</u> | <u>Lithological Description</u>                                      |
|----------------------|--------------------|--|
| 2H                   | N/A                | SST:gy, f-mg, occ cg, cg lam, mod-p cmtd, mod-p std, subang-sub rdd. |
| 5H                   | N/A                | SST:gy, fg, mod cmtd, w std, subang-sub rdd, abd carb lams.          |

AIR-BRINE CAPILLARY PRESSURE DATA

| <u>Sample Number</u> | <u>Permeability Millidarcys</u> | <u>Porosity Per Cent</u> | <u>Pressure, Psi:</u>                        |          |          |          |           |           |
|----------------------|---------------------------------|--------------------------|--|----------|----------|----------|-----------|-----------|
|                      |                                 |                          | <u>1</u>                                     | <u>2</u> | <u>4</u> | <u>8</u> | <u>15</u> | <u>35</u> |
|                      |                                 |                          | <u>Brine Saturation, Per Cent Pore Space</u> |          |          |          |           |           |
| 2H                   | 1170                            | 23.2                     | 69.3   | 51.2     | 39.5     | 32.9     | 30.9      | 29.7      |
| 5H                   | 587                             | 25.1                     | 93.8   | 67.3     | 56.1     | 48.3     | 44.6      | 43.4      |

Company BEACH PETROLEUM N.L. Formation \_\_\_\_\_  
Well NORTH PAARATTE NO.2 Country AUSTRALIA  
Field \_\_\_\_\_

SAMPLE NUMBER: 2H  
AIR PERMEABILITY, MD: 1170



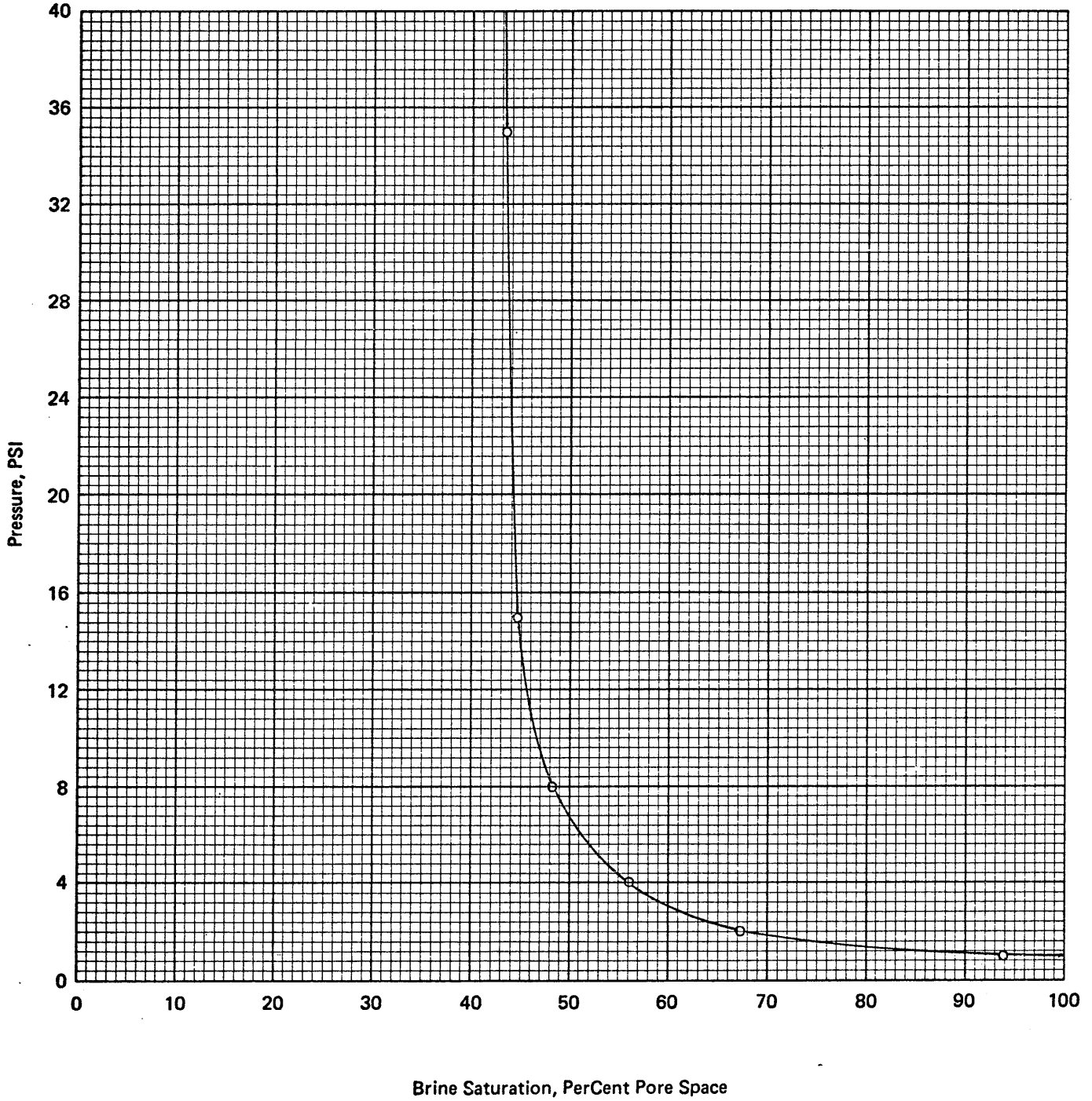
Pressure, PSI

Pressure, PSI

Brine Saturation, PerCent Pore Space

Company BEACH PETROLEUM N.L. Formation \_\_\_\_\_  
Well NORTH PAARATTE NO.2 Country AUSTRALIA  
Field \_\_\_\_\_

SAMPLE NUMBER: 5H  
AIR PERMEABILITY, MD: 587



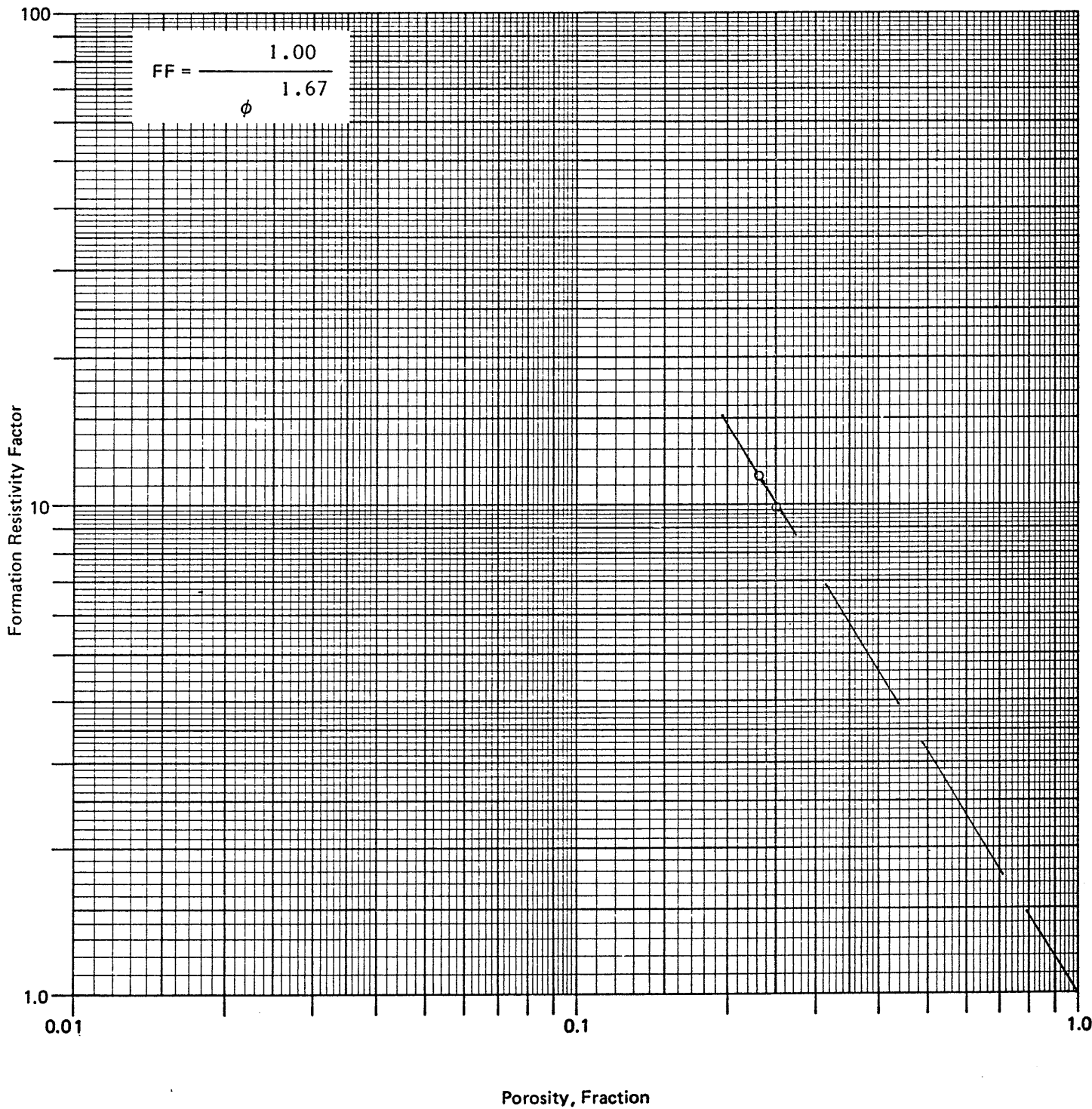
FORMATION FACTOR AND RESISTIVITY INDEX DATA

Resistivity of Saturant Brine, Ohm-Metres: 0.334 @ 60°F

| <u>Sample Number</u> | <u>Air Permeability Millidarcys</u> | <u>Porosity Per Cent</u> | <u>Formation Factor</u> | <u>Brine Saturation Per Cent Pore Space</u> | <u>Resistivity Index</u> |
|----------------------|-------------------------------------|--------------------------|-------------------------|---|--------------------------|
| 2H                   | 1170                                | 23.2                     | 11.5                    | 100   | 1.00                     |
|                      |                                     |                          |                         | 69.3  | 1.97                     |
|                      |                                     |                          |                         | 51.2  | 3.40                     |
|                      |                                     |                          |                         | 39.5  | 5.42                     |
|                      |                                     |                          |                         | 30.9  | 8.50                     |
| 5H                   | 587                                 | 25.1                     | 9.9                     | 100   | 1.00                     |
|                      |                                     |                          |                         | 67.3  | 1.98                     |
|                      |                                     |                          |                         | 56.1  | 2.75                     |
|                      |                                     |                          |                         | 48.3  | 3.55                     |
|                      |                                     |                          |                         | 44.6  | 3.94                     |



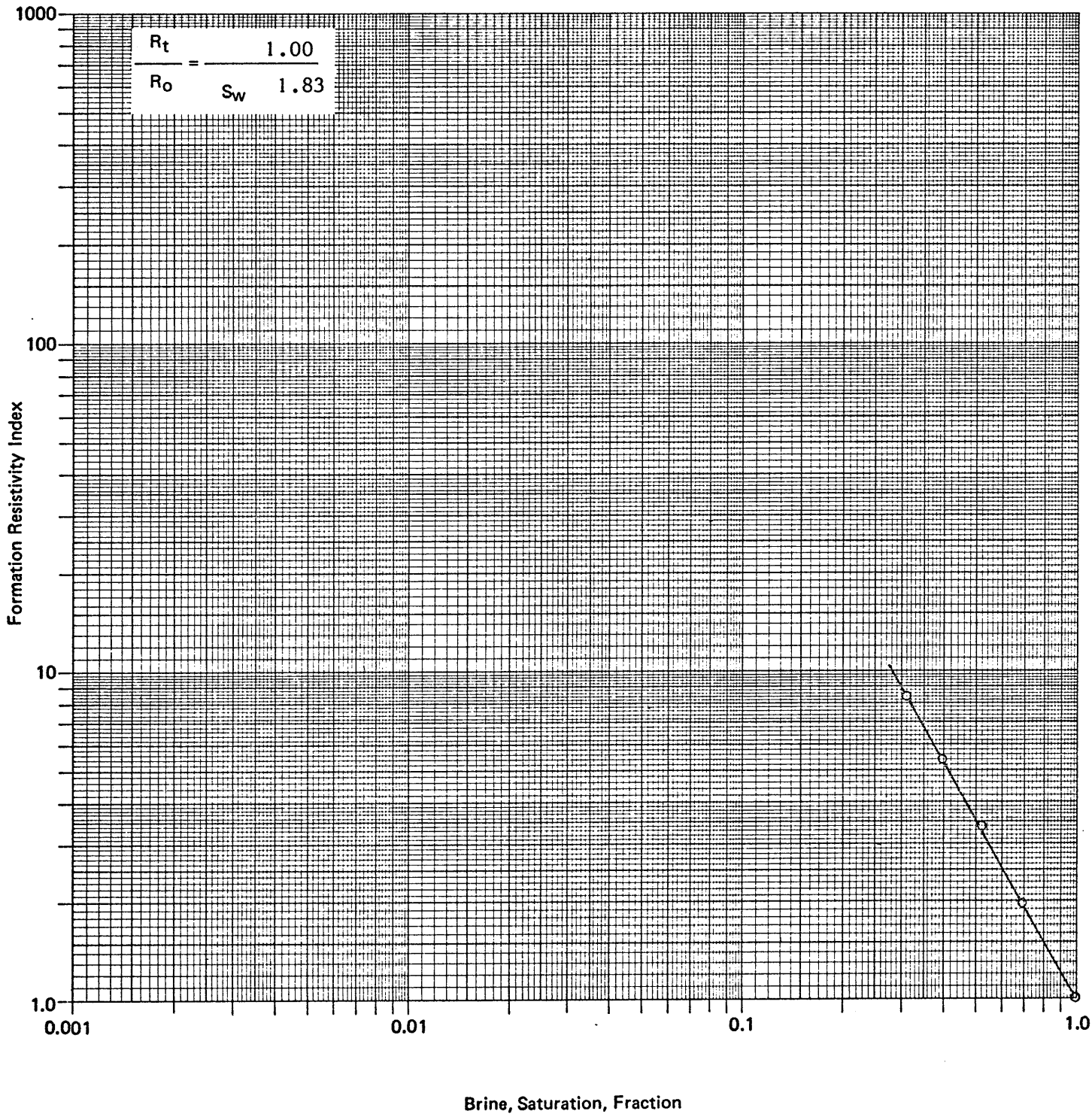
Company BEACH PETROLEUM N.L. Formation \_\_\_\_\_  
Well NORTH PAARATTE NO.2 Country AUSTRALIA  
Field \_\_\_\_\_



Formation Resistivity Factor

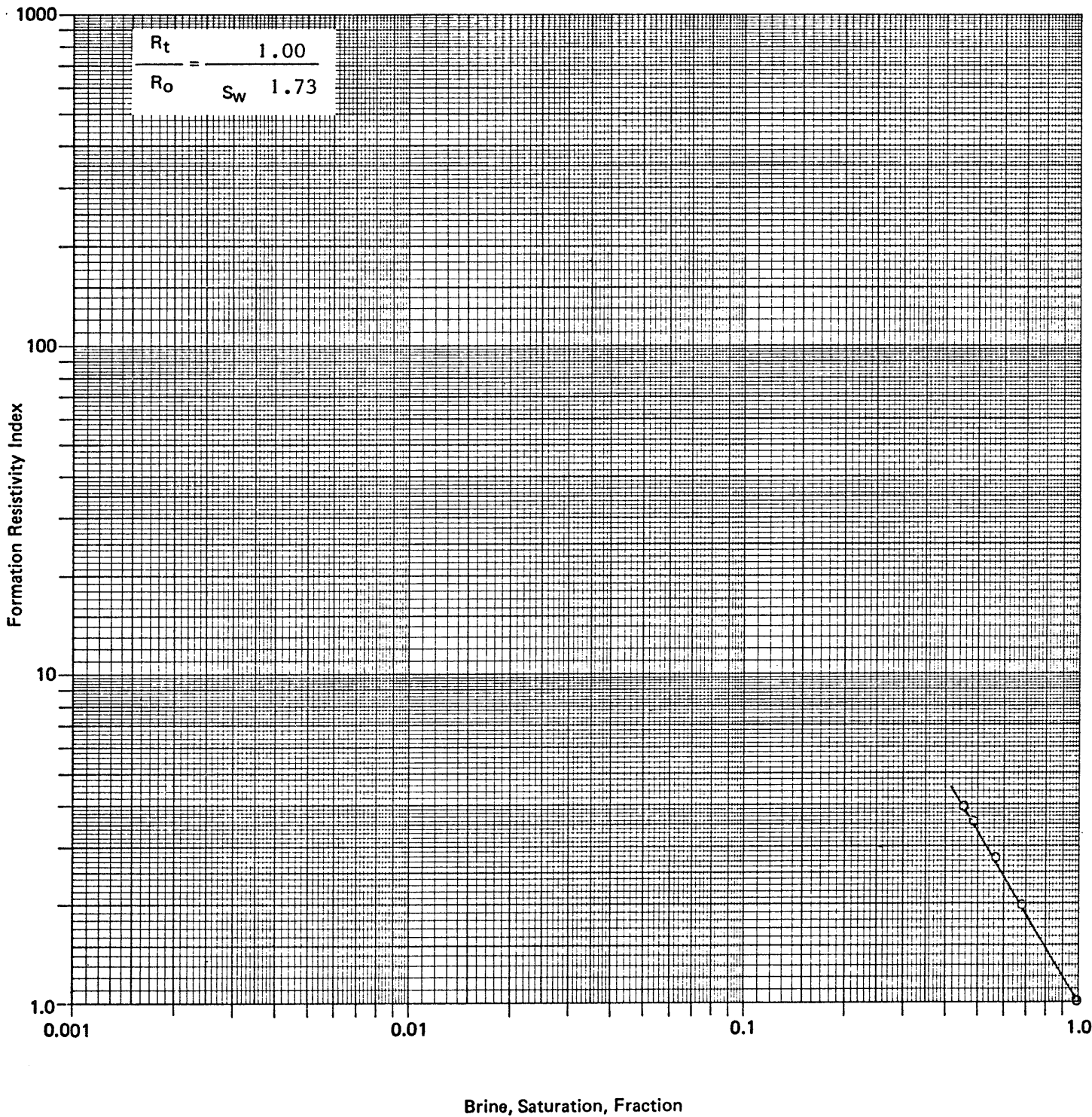
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Well NORTH PAARATTE NO.2 Country AUSTRALIA  
Field \_\_\_\_\_

SAMPLE NUMBER: 2H

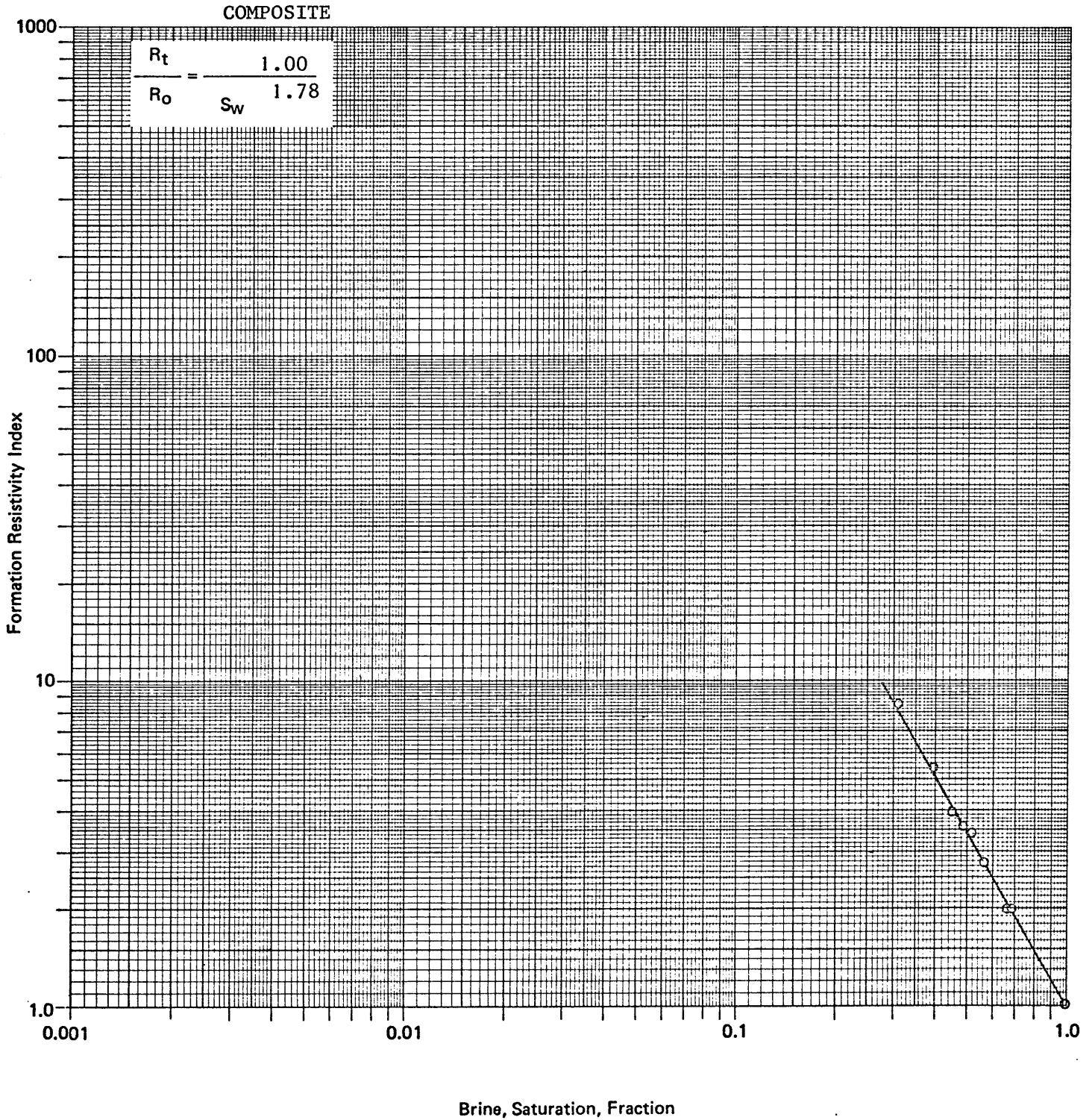


Company BEACH PETROLEUM N.L. Formation \_\_\_\_\_  
Well NORTH PAARATTE NO.2 Country AUSTRALIA  
Field \_\_\_\_\_

SAMPLE NUMBER: 5H



Company BEACH PETROLEUM N.L. Formation \_\_\_\_\_  
Well NORTH PAARATTE NO.2 Country AUSTRALIA  
Field \_\_\_\_\_



APPENDIX - 4

DRILL STEM TEST SERVICE REPORT

NORTH PARATITE  
 Lease Name  
 Well No. 2  
 Test No. 1  
 4797 - 4849'  
 Tested Interval  
 PORT CAMPBELL  
 County  
 VICTORIA  
 State  
 BEACH PETROLEUM  
 Lease Owner/Company Name

Legal Location  
 Sec. - Twp. - Rng.

|   |  |                          |                |                      |            |
|---|--|--------------------------|----------------|----------------------|------------|
| FLUID SAMPLE DATA                                   |  | Date                     | 2-5-81         | Ticket Number        | 002099     |
| Sampler Pressure _____ P.S.I.G. at Surface          |  | Kind of D.S.T.           | OPEN HOLE      | Halliburton Location | SALE       |
| Recovery: Cu. Ft. Gas _____                         |  | Tester                   | SAM BURGESS    | Witness              | DERRINGTON |
| cc. Oil _____                                       |  | Drilling Contractor      | O D & E        |                      | SM         |
| cc. Water _____                                     |  | EQUIPMENT & HOLE DATA    |                |                      |            |
| cc. Mud _____                                       |  | Formation Tested         | Waarre         |                      |            |
| Tot. Liquid cc. _____                               |  | Elevation                | 384'           |                      | Ft.        |
| Gravity _____ ° API @ _____ °F.                     |  | Net Productive Interval  | 36'            |                      | Ft.        |
| Gas/Oil Ratio _____ cu. ft./bbl.                    |  | All Depths Measured From | Kelly bushing  |                      |            |
| RESISTIVITY _____ CHLORIDE CONTENT _____            |  | Total Depth              | 4849'          |                      | Ft.        |
| Recovery Water _____ @ _____ °F. _____ ppm          |  | Main Hole/Casing Size    | 8 1/2"         |                      |            |
| Recovery Mud _____ @ _____ °F. _____ ppm            |  | Drill Collar Length      | 450'           | I.D.                 | 2 15/16"   |
| Recovery Mud Filtrate _____ @ _____ °F. _____ ppm   |  | Drill Pipe Length        | 4326'          | I.D.                 | 3.6" ?     |
| Mud Pit Sample _____ @ _____ °F. _____ ppm          |  | Packer Depth(s)          | 4792-4797' Ft. |                      |            |
| Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm |  | Depth Tester Valve       | 4785' Ft.      |                      |            |
| Mud Weight 9.4 vis 40 sec.                          |  |                          |                |                      |            |

| TYPE      | AMOUNT  | Depth Back Pres. Valve | Surface Choke | Bottom Choke |
|-----------|---------|------------------------|---------------|--------------|
| Cushion   |         | Ft.                    | 5/8-1/2"      | .75"         |
| Recovered | Feet of |                        |               |              |
| Recovered | Feet of |                        |               |              |
| Recovered | Feet of |                        |               |              |
| Recovered | Feet of |                        |               |              |
| Recovered | Feet of |                        |               |              |

Remarks  
 Opened tool and packers failed....filled hole with mud....set more weight on packer rubbers. Packers appeared to hold. Strong blow to surface, closed tool, reopened tool with no indication at surface. Closed tool and pulled out of hole. Discovered anchor pipe plugged.

| TEMPERATURE         | Gauge No. 2043  | Gauge No. 2044  | Gauge No.   | TIME (00:00-24:00 hrs.) |
|---------------------|-----------------|-----------------|-------------|-------------------------|
|                     | Depth: 4788 Ft. | Depth: 4846 Ft. | Depth: Ft.  |                         |
| Est. °F.            | 12 Hour Clock   | 24 Hour Clock   | Hour Clock  | Tool Opened 1805        |
| Actual 135 °F.      | Blanked Off no  | Blanked Off yes | Blanked Off | Opened Bypass 1945      |
|                     | Pressures       |                 | Pressures   |                         |
|                     | Field           | Office          | Field       | Office                  |
| Initial Hydrostatic | 2345            | 2329.8          | 2338.7      | 2358.6                  |
| Flow Initial        |                 | 414.8           |             | Plugging                |
|                     | Flow Final      |                 | 550.3       | Plugging                |
| Flow Initial        |                 | 636.6           |             | Plugging                |
|                     | Flow Final      |                 | 494.6       | Plugging                |
| Flow Initial        |                 | 482.7           |             | Plugging                |
|                     | Flow Final      |                 |             |                         |
| Final Hydrostatic   | 2345            | 2336.4          | 2338.7      | 2365.3                  |

## FORMATION TEST DATA

3





|                               | O. D. | I. D.  | LENGTH | DEPTH |
|-------------------------------|-------|--------|--------|-------|
| Drill Pipe or Tubing          |       |        |        |       |
| Drill Collars                 |       |        |        |       |
| Reversing Sub                 | 6"    | 3"     | 1'     |       |
| Water Cushion Valve           |       |        |        |       |
| Drill Pipe                    | 5"    | 3.6" ? | 4326'  |       |
| Drill Collars                 | 6.25" | 2.937" | 450'   |       |
| Handling Sub & Choke Assembly | 5.87" | 2.58"  | 2'     |       |
| Dual CIP Valve                | 5"    | .89"   | 4.67'  |       |
| Dual CIP Sampler              |       |        |        |       |
| Hydro-Spring Tester           | 5"    | .75"   | 5.3'   | 4785' |
| Multiple CIP Sampler          |       |        |        |       |
| Extension Joint               |       |        |        |       |
| AP Running Case               | 5"    | 3.06"  | 4'     | 4788' |
| Hydraulic Jar                 | 5"    | 1"     | 3.25'  |       |
| VR Safety Joint               | 5"    | 1"     | 2.3'   |       |
| Pressure Equalizing Crossover |       |        |        |       |
| Packer Assembly               |       |        |        |       |
| Distributor                   |       |        |        |       |
| Packer Assembly               |       |        |        |       |
| Flush Joint Anchor            |       |        |        |       |
| Pressure Equalizing Tube      |       |        |        |       |
| Blanked-Off B.T. Running Case |       |        |        |       |
| Drill Collars                 |       |        |        |       |
| Anchor Pipe Safety Joint      |       |        |        |       |
| Packer Assembly               | 7.75" | 1.53"  | 5.75'  | 4792' |
| Distributor                   |       |        |        |       |
| Packer Assembly               | 7.75" | 1.53"  | 5.75'  | 4797' |
| Anchor Pipe Safety Joint      |       |        |        |       |
| Side Wall Anchor              |       |        |        |       |
| Drill Collars                 | 6.25" | 2.937" | 30'    |       |
| Flush Joint Anchor            | 5"    | 2.37"  | 18'    |       |
| Blanked-Off B.T. Running Case | 5"    | 2.44"  | 4'     | 4846' |
| Total Depth                   |       |        |        | 4849' |



**FLUID SAMPLE DATA**

Sampler Pressure \_\_\_\_\_ P.S.I.G. at Surface

Recovery: Cu. Ft. Gas \_\_\_\_\_

cc. Oil \_\_\_\_\_

cc. Water \_\_\_\_\_

cc. Mud \_\_\_\_\_

Tot. Liquid cc. \_\_\_\_\_

Gravity \_\_\_\_\_ ° API @ \_\_\_\_\_ ° F.

Gas/Oil Ratio \_\_\_\_\_ cu. ft./bbl.

RESISTIVITY \_\_\_\_\_ CHLORIDE CONTENT \_\_\_\_\_

Recovery Water \_\_\_\_\_ @ \_\_\_\_\_ ° F. \_\_\_\_\_ ppm

Recovery Mud \_\_\_\_\_ @ \_\_\_\_\_ ° F. \_\_\_\_\_ ppm

Recovery Mud Filtrate \_\_\_\_\_ @ \_\_\_\_\_ ° F. \_\_\_\_\_ ppm

Mud Pit Sample \_\_\_\_\_ @ \_\_\_\_\_ ° F. \_\_\_\_\_ ppm

Mud Pit Sample Filtrate \_\_\_\_\_ @ \_\_\_\_\_ ° F. \_\_\_\_\_ ppm

Mud Weight 9.4 vis 40 sec.

Date 2-6-81 Ticket Number 002100

Kind of D.S.T. OPEN HOLE Halliburton Location SALE

Tester BURGESS Witness DERRINGTON

Drilling Contractor O D & E NM

**EQUIPMENT & HOLE DATA**

Formation Tested Waarre

Elevation 384' Ft.

Net Productive Interval 36' Ft.

All Depths Measured From Kelly Bushing

Total Depth 4849' Ft.

Main Hole/Casing Size 8 1/2"

Drill Collar Length 390' I.D. 2 15/16"

Drill Pipe Length 4326' I.D. 3.6"

Packer Depth(s) 4734' - 4739' Ft.

Depth Tester Valve 4718' Ft.

TYPE AMOUNT Depth Back Surface Bottom

Cushion NONE Ft. Pres. Valve NONE Choke 5/8" + 1/2" Choke 3/4"

| Recovered | Feet of |           |
|-----------|---------|-----------|
|           |         | MISRUN... |
| Recovered | Feet of |           |
| Recovered | Feet of |           |
| Recovered | Feet of |           |
| Recovered | Feet of |           |

Remarks Set tool on bottom with 20,000# - packers failed. Closed tool and reset packers. Opened tool - packers failed - closed tool - unseated packers and reversed drill pipe. Pulled out of the hole...

MISRUN...

| TEMPERATURE         | Gauge No. 2043 |            | Gauge No. 2044 |            | Gauge No.   |            | TIME (00:00-24:00 hrs.) |          |
|---------------------|----------------|------------|----------------|------------|-------------|------------|-------------------------|----------|
|                     | Depth:         | 4721 Ft.   | Depth:         | 4846' Ft.  | Depth:      | Ft.        |                         |          |
| Est. °F.            | 12             | Hour Clock | 24             | Hour Clock |             | Hour Clock | Tool Opened             | 11:15    |
|                     | Blanked Off    | NO         | Blanked Off    | YES        | Blanked Off |            | Opened Bypass           | 11:55    |
| Actual 135 °F.      | Pressures      |            | Pressures      |            | Pressures   |            | Reported                | Computed |
|                     | Field          | Office     | Field          | Office     | Field       | Office     | Minutes                 | Minutes  |
| Initial Hydrostatic | 2292           | 2319.2     | 2352           | 2377.3     |             |            |                         |          |
| Flow Initial        | -              | -          | -              | -          |             |            |                         |          |
| Flow Final          | -              | -          | -              | -          |             |            |                         |          |
| Closed in           | -              | -          | -              | -          |             |            |                         |          |
| Flow Initial        | -              | -          | -              | -          |             |            |                         |          |
| Flow Final          | -              | -          | -              | -          |             |            |                         |          |
| Closed in           | -              | -          | -              | -          |             |            |                         |          |
| Flow Initial        | -              | -          | -              | -          |             |            |                         |          |
| Flow Final          | -              | -          | -              | -          |             |            |                         |          |
| Closed in           | -              | -          | -              | -          |             |            |                         |          |
| Final Hydrostatic   | 2292           | 2319.2     | 2352           | 2377.3     |             |            |                         |          |

Legal Location Sec. - Twp. - Rng. \_\_\_\_\_

Lease Name N.H. PARATTE

Well No. 2

Test No. 2

Tested Interval 4739' - 4849'

Field Area PORT CAMPBELL

County VICTORIA

State AUSTRALIA

Lease Owner/Company Name BEACH PETROLEUM





|                               | O. D. | I. D.  | LENGTH | DEPTH |
|-------------------------------|-------|--------|--------|-------|
| Drill Pipe or Tubing          |       |        |        |       |
| Drill Collars                 |       |        | 1'     |       |
| Reversing Sub                 | 6"    | 3"     |        |       |
| Water Cushion Valve           |       |        |        |       |
| Drill Pipe                    | 5"    | 3.6"?? | 4326'  |       |
| Drill Collars                 | 6.25" | 2.937" | 390'   |       |
| Handling Sub & Choke Assembly | 5.87" | 2.58"  | 2'     |       |
| Dual CIP Valve                | 5"    | .89"   | 4.67'  |       |
| Dual CIP Sampler              |       |        |        |       |
| Hydro-Spring Tester           | 5"    | .75"   | 5.3'   | 4718' |
| Multiple CIP Sampler          |       |        |        |       |
| Extension Joint               |       |        |        |       |
| AP Running Case               | 5"    | 3.06"  | 4'     | 4721' |
| Hydraulic Jar                 | 5"    | 1"     | 3.25'  |       |
| VR Safety Joint               | 5"    | 1"     | 2.3'   |       |
| Pressure Equalizing Crossover |       |        |        |       |
| Packer Assembly               |       |        |        |       |
| Distributor                   |       |        |        |       |
| Packer Assembly               |       |        |        |       |
| Flush Joint Anchor            |       |        |        |       |
| Pressure Equalizing Tube      |       |        |        |       |
| Blanked-Off B.T. Running Case |       |        |        |       |
| Drill Collars                 |       |        |        |       |
| Anchor Pipe Safety Joint      |       |        |        |       |
| Packer Assembly               | 7.75" | 1.53"  | 5.75'  | 4734' |
| Distributor                   |       |        |        |       |
| Packer Assembly               | 7.75" | 1.53"  | 5.75'  | 4739' |
| Anchor Pipe Safety Joint      |       |        |        |       |
| Side Wall Anchor              |       |        |        |       |
| Drill Collars                 | 6.25" | 2.43"  | 87'    |       |
| Flush Joint Anchor            | 5"    | 2.37"  | 15'    |       |
| Blanked-Off B.T. Running Case | 5"    | 2.44"  | 4'     | 4846' |
| Total Depth                   |       |        |        | 4849' |

## NOMENCLATURE

|                       |  |           |
|-----------------------|--|-----------|
| <b>b</b>              | = Approximate Radius of Investigation .....                            | Feet      |
| <b>b<sub>1</sub></b>  | = Approximate Radius of Investigation (Net Pay Zone h) .....           | Feet      |
| <b>D.R.</b>           | = Damage Ratio .....   | —         |
| <b>EI</b>             | = Elevation .....  | Feet      |
| <b>GD</b>             | = B.T. Gauge Depth (From Surface Reference) .....                      | Feet      |
| <b>h</b>              | = Interval Tested .....  | Feet      |
| <b>h<sub>1</sub></b>  | = Net Pay Thickness .....  | Feet      |
| <b>K</b>              | = Permeability .....   | md        |
| <b>K<sub>1</sub></b>  | = Permeability (From Net Pay Zone h) .....                             | md        |
| <b>m</b>              | = Slope Extrapolated Pressure Plot (Psi <sup>2</sup> /cycle Gas) ..... | psi/cycle |
| <b>OF<sub>1</sub></b> | = Maximum Indicated Flow Rate .....                                    | MCF/D     |
| <b>OF<sub>2</sub></b> | = Minimum Indicated Flow Rate .....                                    | MCF/D     |
| <b>OF<sub>3</sub></b> | = Theoretical Open Flow Potential with/Damage Removed Max. ....        | MCF/D     |
| <b>OF<sub>4</sub></b> | = Theoretical Open Flow Potential with/Damage Removed Min. ....        | MCF/D     |
| <b>P<sub>s</sub></b>  | = Extrapolated Static Pressure .....                                   | Psig.     |
| <b>P<sub>f</sub></b>  | = Final Flow Pressure .....  | Psig.     |
| <b>P<sub>ot</sub></b> | = Potentiometric Surface (Fresh Water *) .....                         | Feet      |
| <b>Q</b>              | = Average Adjusted Production Rate During Test .....                   | bbls/day  |
| <b>Q<sub>1</sub></b>  | = Theoretical Production w/Damage Removed .....                        | bbls/day  |
| <b>Q<sub>g</sub></b>  | = Measured Gas Production Rate .....                                   | MCF/D     |
| <b>R</b>              | = Corrected Recovery .....   | bbls      |
| <b>r<sub>w</sub></b>  | = Radius of Well Bore .....  | Feet      |
| <b>t</b>              | = Flow Time .....  | Minutes   |
| <b>t<sub>o</sub></b>  | = Total Flow Time .....  | Minutes   |
| <b>T</b>              | = Temperature Rankine .....  | °R        |
| <b>Z</b>              | = Compressibility Factor .....   | —         |
| <b>μ</b>              | = Viscosity Gas or Liquid .....  | CP        |
| <b>Log</b>            | = Common Log   |           |

\* Potentiometric Surface Reference to Rotary Table When Elevation Not Given, Fresh Water Corrected to 100° F.

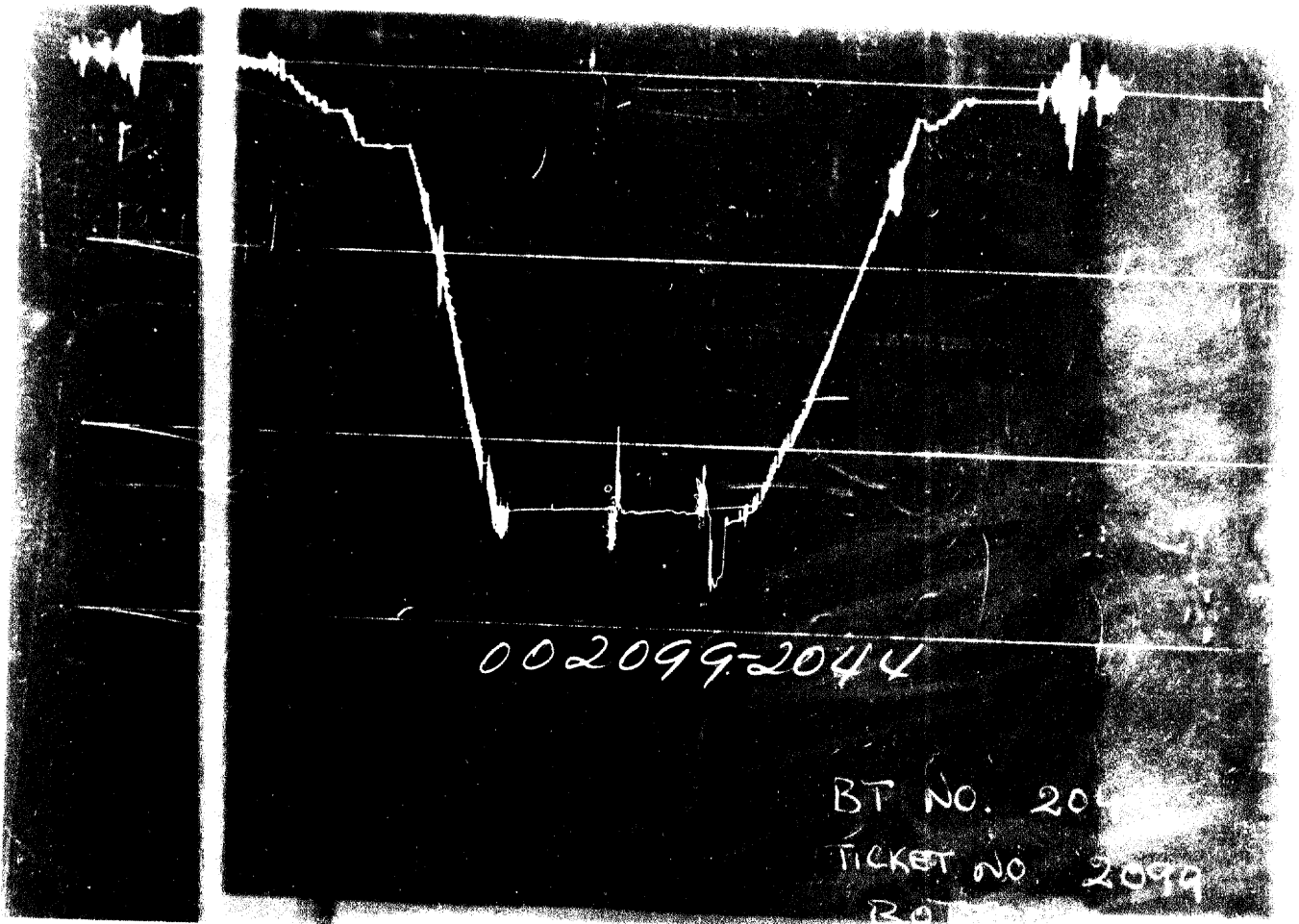
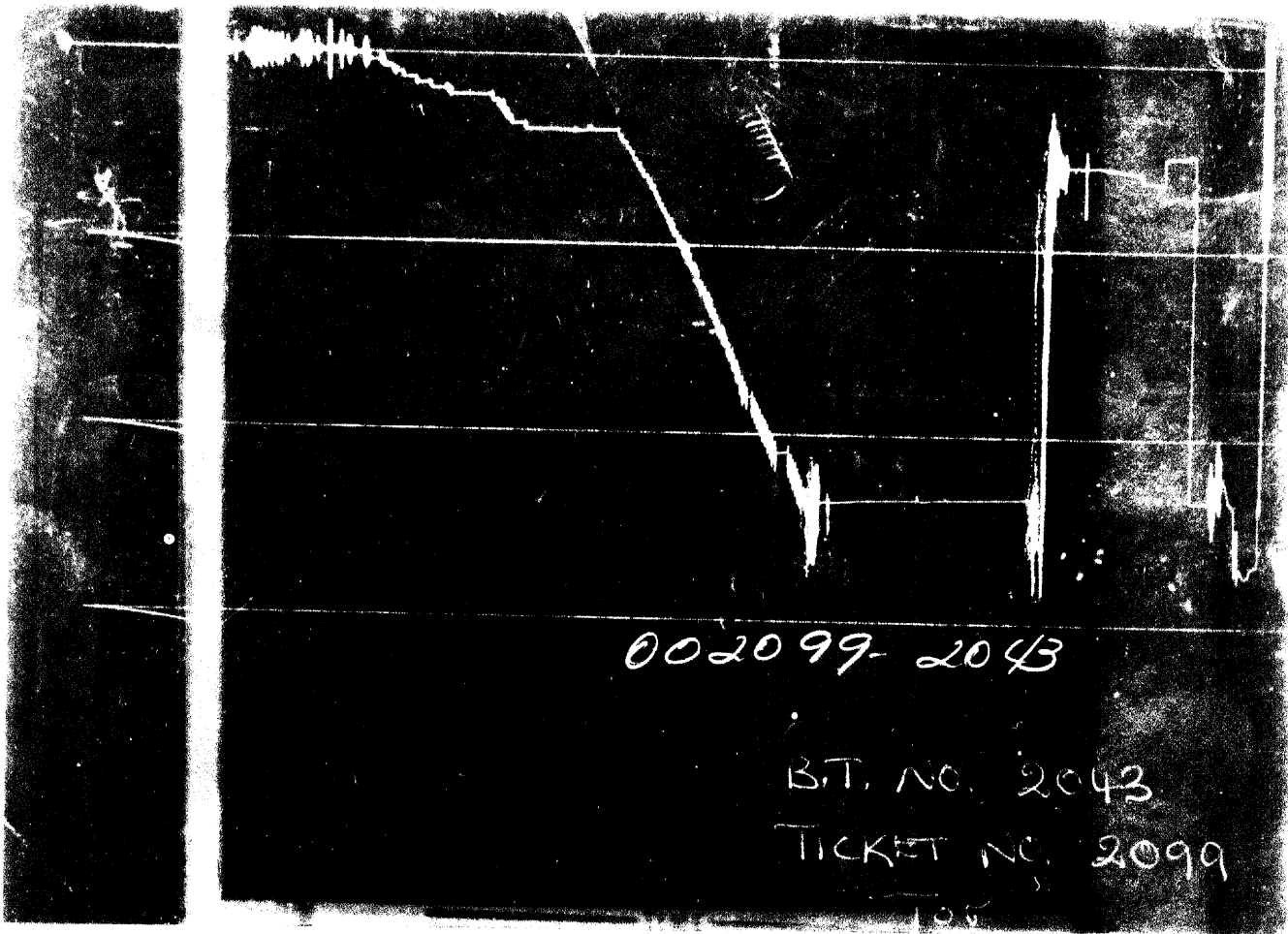
PE906816

This is an enclosure indicator page.  
The enclosure PE906816 is enclosed within the  
container PE906815 at this location in this  
document.

The enclosure PE906816 has the following characteristics:

ITEM\_BARCODE = PE906816  
CONTAINER\_BARCODE = PE906815  
NAME = DST 1  
BASIN = OTWAY  
PERMIT = PEP93  
TYPE = WELL  
SUBTYPE = DST  
DESCRIPTION = DST 1 Photographs (From WCR) for North  
Paaratte-2  
REMARKS =  
DATE\_CREATED =  
DATE\_RECEIVED = 28/04/81  
W\_NO = W736  
WELL\_NAME = NORTH PAARATTE-2  
CONTRACTOR = HALLIBURTON SERVICES  
CLIENT\_OP\_CO = BEACH PETROLEUM

(Inserted by DNRE - Vic Govt Mines Dept)



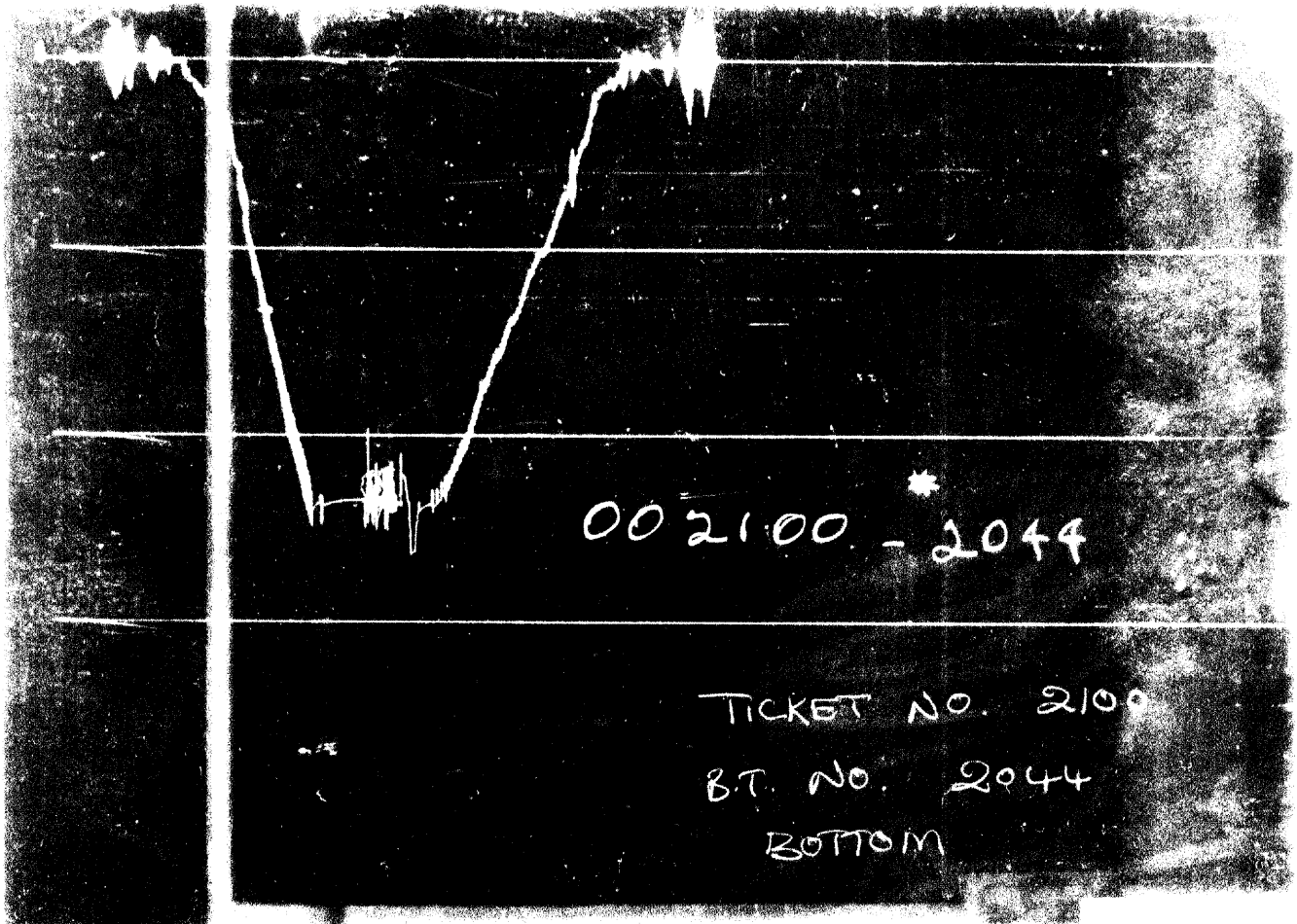
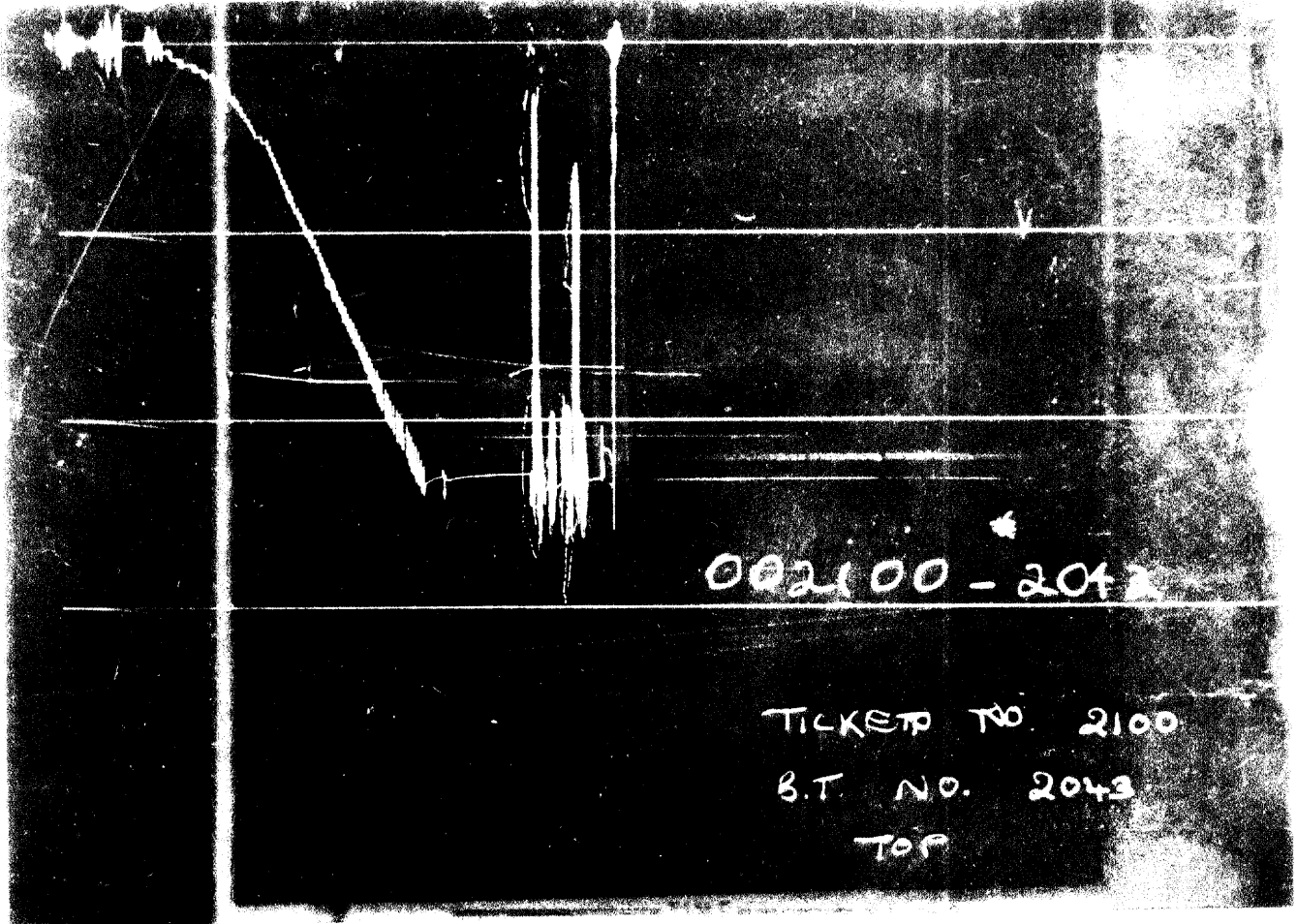
PE906817

This is an enclosure indicator page.  
The enclosure PE906817 is enclosed within the  
container PE906815 at this location in this  
document.

The enclosure PE906817 has the following characteristics:

ITEM\_BARCODE = PE906817  
CONTAINER\_BARCODE = PE906815  
NAME = DST 2  
BASIN = OTWAY  
PERMIT = PEP93  
TYPE = WELL  
SUBTYPE = DST  
DESCRIPTION = DST 2 Photographs (From WCR) for North  
Paaratte-2  
REMARKS =  
DATE\_CREATED =  
DATE\_RECEIVED = 28/04/81  
W\_NO = W736  
WELL\_NAME = NORTH PAARATTE-2  
CONTRACTOR = HALLIBURTON SERVICES  
CLIENT\_OP\_CO = BEACH PETROLEUM

(Inserted by DNRE - Vic Govt Mines Dept)





APPENDIX - 5

GAS ANALYSES

BEACH PETROLEUM

RFT REPORT No. 1

NORTH PAARATTE No. 2

A FORMATION SAMPLE WAS RECOVERED AT 1481 METERS, BEING 40.95 CUBIC FEET OF GAS AT 1650 PSI AND 500 ML OF FLUID WITH AN RW OF 2.98 AT 75°F WITH A MINOR OIL SCUM GIVING A FAINTY MID YELLOW NATURAL FLUORESCENCE - PROBABLE CONTAMINATION. THE GAS GAVE AN ANALYSIS OF:

C1.....99.01%  
C2.....0.92%  
C3.....0.06%  
IC4.....0.01%  
NC4.....0.01%  
IC5.....NIL  
NC5.....NIL

SAMPLE 2: A FORMATION SAMPLE WAS RECOVERED AT 1473 METERS, BEING 37.00 CUBIC FEET OF GAS AT 1650 PSI WITH LESS THAN 10 ML OF MUD.

SPECIAL TEST REPORT

|                  |                               |                 |          |
|------------------|-------------------------------|-----------------|----------|
| Requested by     | Beach Petroleum               | Sample book no. | 81/125   |
| Date received    | 6/2/81                        |                 |          |
| Material         | Crude Natural Gas             | Job no.         |          |
| Query            | Analyse for Sulphur Compounds |                 |          |
| Origin of sample | Otway Area, Victoria          | Report no.      | 81/89/AN |

Report:

Samples taken from two (2) of the bottles supplied gave identical chromatographic analyses for sulphur compounds.

The bottles used were labelled

- (1) RFT No. 2 - 1473 m - Bottle 1
- (2) RFT No. 2 - 1473 m - Bottle 3

The results indicate

Hydrogen Sulphide ..... approx. 2 ppm  
Carbonyl Sulphide ..... approx. 1 ppm

Ethyl Mercaptan and  
Methyl, Ethyl, and DiMethyl Sulphides all present  
in trace quantities.

The result for Hydrogen Sulphide does not indicate the quantity originally present, but does indicate that Hydrogen sulphide is probably present in the gas samples supplied together with other sulphur compounds which are normally found in natural gas. Similar sulphur compounds are present in the gas from the Gippsland area, so the probabilities are that these compounds are present in the gas and are not derived from the "mud" used.

Distribution: Mr. F. L. Ward, Beach Petroleum  
Mr. O. Anderson  
Mr. G. Mitchelmore  
Master File

(2) ✓ (1473 m. JF)  
(1)  
(2)

|         |                                |            |         |
|---------|--------------------------------|------------|---------|
| Chemist | P. Baltutis                    | Date       | 11/2/81 |
| Checked | O. Anderson <i>O. Anderson</i> | Laboratory |         |

File 1172

GAS AND FUEL CORPORATION OF VICTORIA  
SCIENTIFIC SERVICES DEPARTMENT

**SPECIAL TEST REPORT**

|               |                     |                             |
|---------------|---------------------|-----------------------------|
| Requested by  | Beach Petroleum N/L | Sample Book No. 81/231..... |
| Date Received | 19/3/81             |                             |
| Material      | Natural Gas         | Job No. ....238.....        |
| Query         | Analysis            | Report No. 81/169/AN.....   |

Origin of Sample Sample Bomb 4024, Paaratte No. 2

REPORT

| Component         | Concentration | Estimated Error |
|-------------------|---------------|-----------------|
|                   | Mole %        | Mole %          |
| Methane           | 96.53         | ± 0.2           |
| Ethane            | 1.16          | ± 0.2           |
| Propane           | 0.04          | ± 0.01          |
| iso-Butane        | 0.039         | ± 0.002         |
| normal-Butane     | 0.003         | ± 0.002         |
| iso-Pentane       | 0.004         | ± 0.002         |
| neo-Pentane       | 0.007         | ± 0.002         |
| Hexanes +         | 0.09          | ± 0.02          |
| Carbon Dioxide    | 0.28          | ± 0.01          |
| Nitrogen          | 1.83          | ± 0.02          |
| Oxygen Plus Argon | 0.01          | ± 0.01          |

Characteristics (For the dry gas at 15°C 101.325 kPa)

Gross Heating Value 37.5 ± 0.2 MJ/m<sup>3</sup>

Specific Gravity (Air = 1) 0.574 ± 0.003

Dew Point (using a SHAW Hygrometer) - 17°C

Hydrogen Sulphide was not found present on testing with lead acetate paper.

Distribution: Mr.F.Ward  
Beach Petroleum  
O.Anderson  
G.Mitchelmore  
(2)  
Master File

"This Laboratory is registered by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed with its terms of registration,

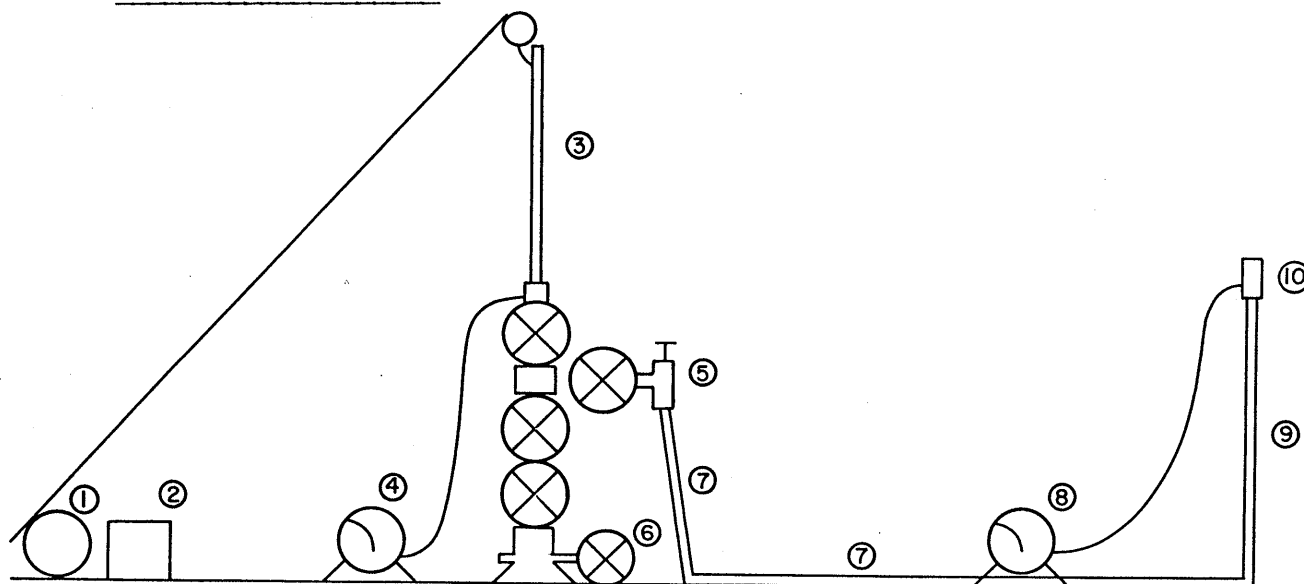
A Laboratory Certificate, Statement or Report may not be published except in full unless permission for the publication of an approved abstract has been obtained, in writing"



|         |                 |            |         |
|---------|-----------------|------------|---------|
| Chemist | I. Strudwick    | Date       | 20/3/81 |
| Checked | <i>Anderson</i> | Laboratory |         |

PRODUCTION TEST NO.2

Surface Installation (Schematic - not to scale).



- 1 - Logging truck. (Hewlett-Packard bottom hole pressure gauge )
- 2 - H.P. Gauge recorder
- 3.- Lubricator
- 4 - Recording pressure gauge - tubing head pressure (THP)
- 5 - Adjustable choke
- 6 - Pressure gauge - casing head (7" x 2 7/8" annulus) pressure (CHP)
- 7 - 2" flow line (100 ft. long).
- 8 - Recording pressure gauge - flow prover pressure (FPP)
- 9 - Vertical standpipe. (10 ft. high).
- 10 - 2" critical flow prover

Notes

- (a) As the separator was not covered by a current pressure vessel certificate, it could not be used.
- (b) The lubricator was supported by a crane (not shown on diagram).
- (c) Under Country Fire Authority regulations, gas could only be flared in the period 0800 to 1800 hours daily and then only if the temperature did not exceed 32°C and the wind velocity was not more than 8 kph.

# CORE LABORATORIES INTERNATIONAL LTD.

Petroleum Reservoir Engineering  
SINGAPORE

## GAS ANALYSIS

COMPANY Beach Petroleum N.L.  
DST/PROD'N TEST  
WELL North Paratte No. 2.  
SAMPLING POINT  
FIELD Wildcat  
AREA  
COUNTRY Australia  
FILE WA-CA-7

| <u>COMPONENTS</u> |        | <u>MOL %</u> |
|-------------------|--------|--------------|
| Hydrogen          | .....  | .....        |
| Helium            | .....  | .....        |
| Carbon Monoxide   | .....  | .....        |
| Hydrogen Sulphide | .....  | .....        |
| Carbon Dioxide    | .....  | 0.23         |
| Oxygen            | .....  | .....        |
| Nitrogen          | .....  | 1.48         |
| Methane           | .....  | 96.21        |
| Ethane            | 0.3325 | 1.32         |
| Propane           | 0.0165 | 0.06         |
| Iso-Butane        | 0.1598 | 0.49         |
| N-Butane          | 0.0063 | 0.02         |
| Iso-Pentane       | 0.0438 | 0.12         |
| N-Pentane         | 0.0036 | 0.01         |
| Hexanes           | 0.0081 | 0.02         |
| Heptanes Plus     | 0.0181 | 0.04         |

CALCULATED GAS GRAVITY= 0.58 GPM= 0.5887

CALCULATED GROSS HEATING VALUE= 1021.58 BTU per cubic foot of dry  
gas @ 14.696 psia and 60 °F

COLLECTED @ 350 psig and 48 °F ON 15 MARCH 81

REMARKS:



The Australian  
Mineral Development  
Laboratories

Flemington Street, Frewville,  
South Australia 5063  
Phone Adelaide 79 1662  
Telex AA 82520

Please address all  
correspondence to  
P.O. Box 114 Eastwood  
SA 5063  
In reply quote:

amdel

3/944/0 - AC 4842/81

22nd April, 1981.

NATA CERTIFICATE

Mr. John Hinkins,  
Executive Director,  
Beach Petroleum N.L.,  
G.P.O. Box 1280 L,  
MELBOURNE. VIC. 3001

REPORT AC 4842/81

YOUR REFERENCE:

Order No. 049 Dated 31/3/81

IDENTIFICATION:

As listed

DATE RECEIVED:

2nd April, 1981

D.K. Rowley  
Manager  
Analytical Chemistry Division

*D.K. Rowley*  
for Norton Jackson  
Managing Director

glj

Pilot Plant: Osman Place  
Thebarton S.A.  
Telephone 43 8053  
Branch Laboratory: Perth

The Australian Mineral Development Laboratories  
Adelaide  
P.O. Box 114 Eastwood  
SA 5063

## AMDEL

GAS CHROMATOGRAPHY ANALYSIS

Well tested: North Paaratte # 2  
 Date tested: 14/3/81  
 Type of test:  
 Type of sample: Gas  
 Source of sample:  
 Field sampling conditions: 25<sup>o</sup>F 380 psi  
 Reference: O/N 049

RESULTS OF ANALYSIS

|                               |                      |           |
|-------------------------------|----------------------|-----------|
| Oxygen plus argon             | <0.01                | % mol vol |
| Nitrogen                      | 1.72                 |           |
| Hydrogen                      | Trace <0.01          |           |
| Helium                        | Trace <0.01          |           |
| Carbon dioxide                | 0.07                 |           |
| Methane                       | 96.7 (By Difference) |           |
| Ethane                        | 1.40                 |           |
| Propane                       | 0.04                 |           |
| i Butane                      | 0.04                 |           |
| n Butane                      | <0.01                |           |
| i Pentane                     | <0.01                |           |
| n Pentane                     | <0.01                |           |
| Hexanes                       | 0.01                 |           |
| Heptanes                      | 0.02                 |           |
| Octanes & higher hydrocarbons | <0.01                |           |

Calculated Gas Density  
 (relative air = 1) 0.570

REMARKS:



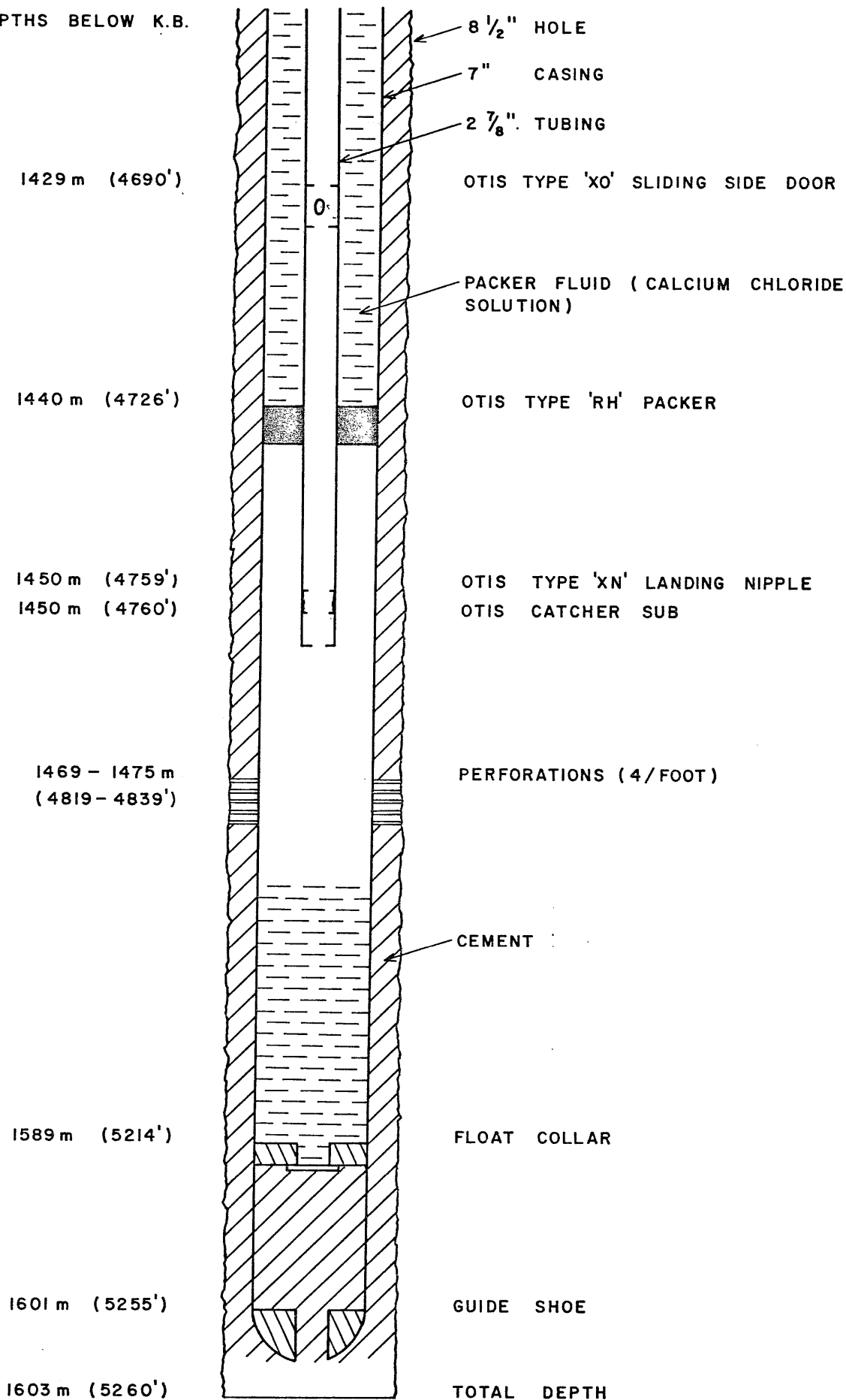
APPENDIX - 6

COMPLETION DETAILS

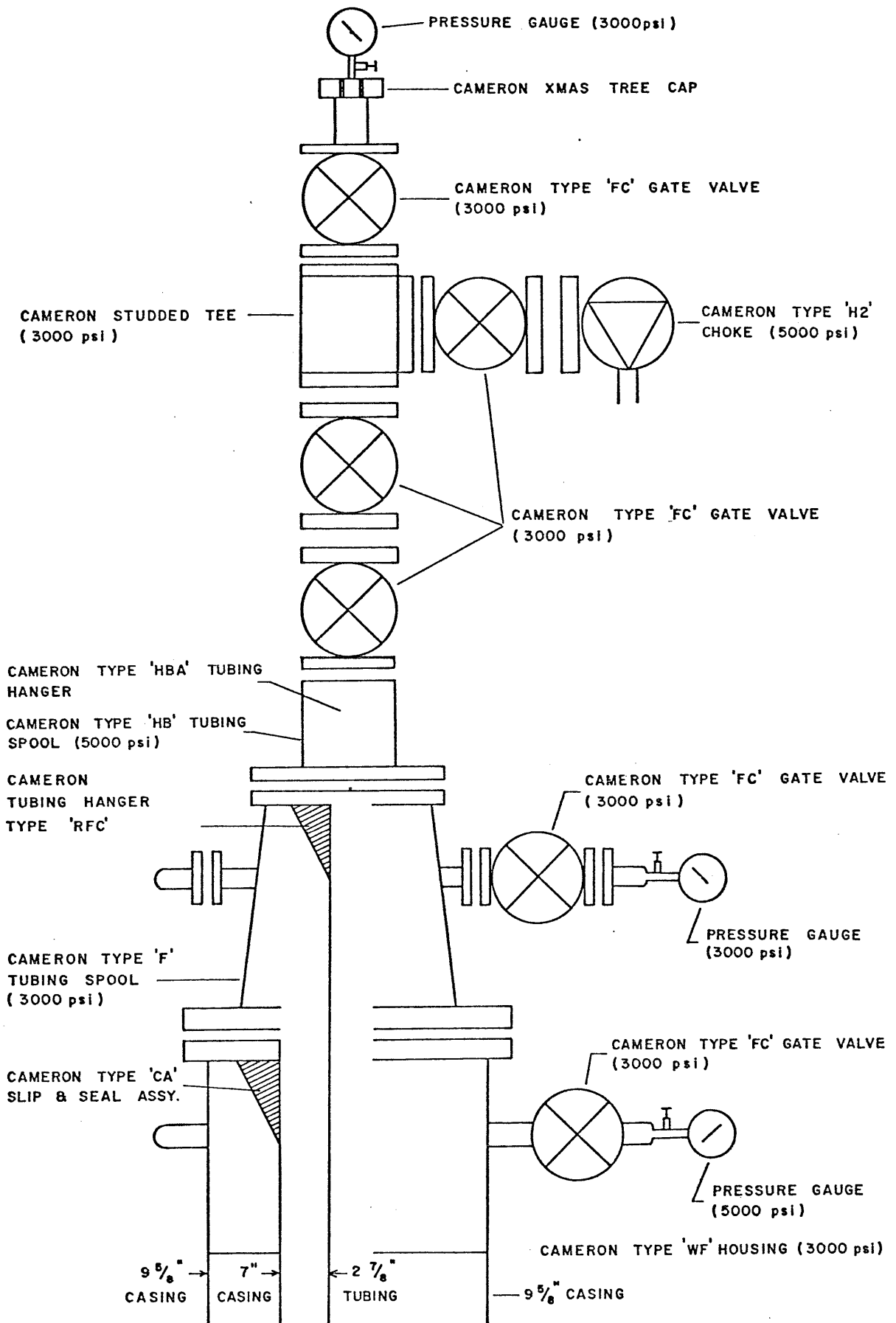
# COMPLETION — NORTH PAARATTE N°2

( NOT TO SCALE )

ALL DEPTHS BELOW K.B.

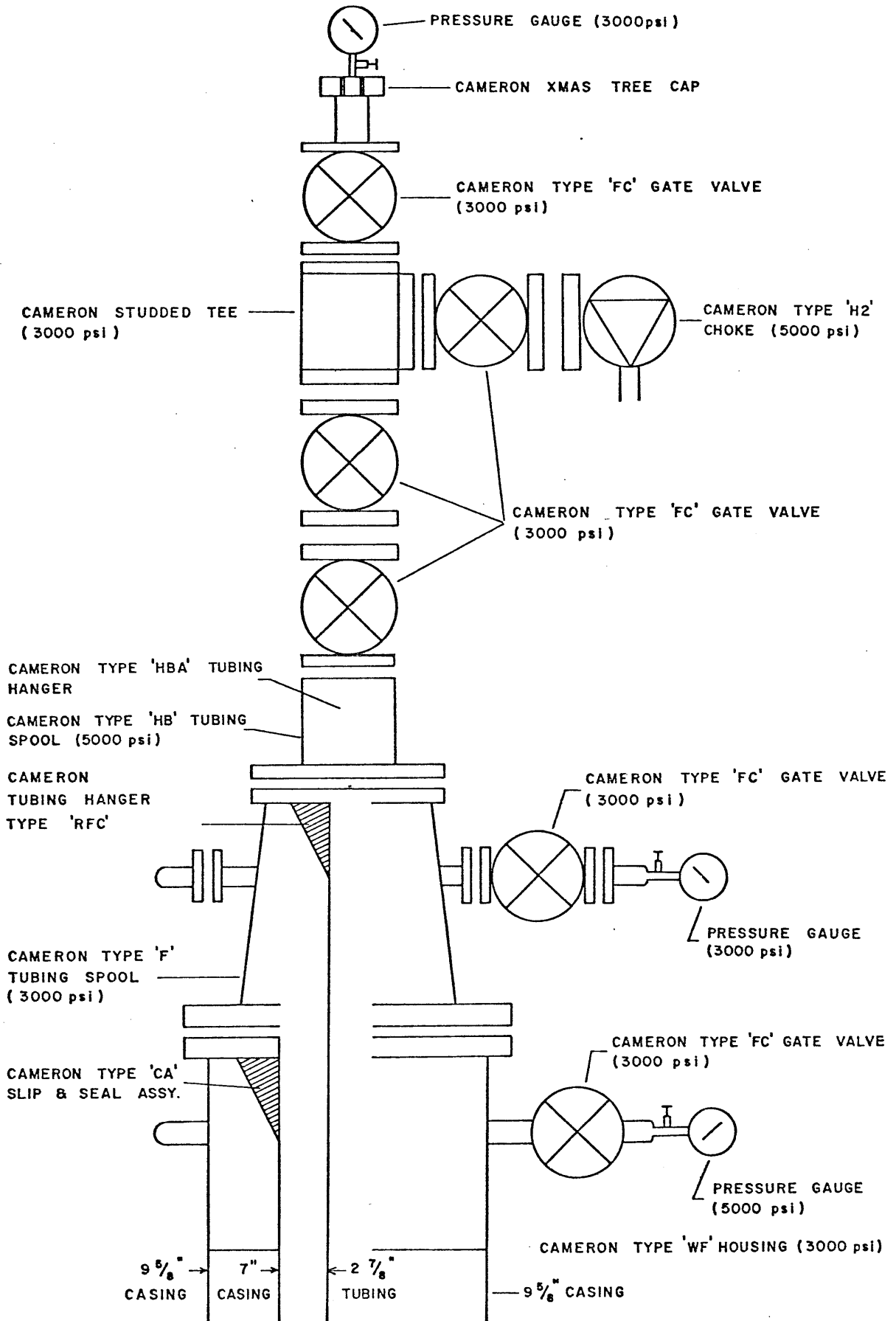


CHRISTMAS TREE — NORTH PAARATTE 2



BEACH PETROLEUM N.L.

CHRISTMAS TREE — NORTH PAARATTE 2



DO NOT  
COPY

APPENDIX - 7

PRODUCTION TESTING

1. Production Test No.1
2. Production Test No.2
3. Production Test No.3
4. Production Test Report by Go International  
Wireline Services

PRODUCTION TEST NO.1

This test was of short duration and was designed primarily to clean the well after swabbing.

Date            15 February 1981

0813 hours        Commenced swabbing  
0845 hours        Swabbed to 1200 ft. (365 m); commenced to flow completion fluid from the tubing; shut master gate and removed lubricator.  
0910 hours        Re-opened master gate; well commenced to blow  
0915 hours        Lit gas  
0950 hours        Closed master gate; installed back pressure valve and secured well.

Flow Measurement

Flow measurements were estimated by reading a 3000 psi gauge upstream of the well head variable choke.

| <u>Time</u> | <u>Choke</u> | <u>THP</u> | <u>CHP</u> | <u>FLP</u> | <u>Q</u>   |
|-------------|--------------|------------|------------|------------|------------|
| 0920        | 50/64"       | 675 psia   | 145 psia   | 465 psia   | 9.8MMCFD   |
| 0930        | 50/64"       | 680 psia   | 155 psia   | 465 psia   | 9.86 MMCFD |
| 0940        | 32/64"       | 900 psia   | 200 psia   | 415 psia   | 5.64 MMCFD |
| 0950        | 16/64"       | 1100 psia  | 225 psia   | 415 psia   | 1.62 MMCD  |

The above tabulated flow rates are not considered to be reliable.

Wednesday, 4th March, 1981

0930 - CHP 1200 psi  
Bled back (?air) to 250 psi

0950 - CHP 600 psi  
Bled back (? air) and small quantity brine to 380 psi.

1010 - CHP 500 psi  
Bled back (? air) to 350 psi

1025 - CHP 400 psi

1028 - Opened well on 16/64" choke to clean up - had difficulty in keeping flare alight.

|      | <u>CHP</u>  | <u>THP</u> |
|------|---|------------|
| 1032 | 425   | 1760       |
| 1035 | 425   | 1760       |
| 1045 | 425   | 1760       |
|      | Extinguished flare - recovered 1" orifice plate from critical flow prover - opened on 24/64" choke. |            |
| 1055 | 430   | 1720       |
| 1115 | 480   | 1730       |
| 1130 | 500   | 1730       |
| 1145 | 510   | 1730       |
| 1200 | 560   | 1725       |
| 1215 | 580   | 1720       |
| 1230 | 600   | 1700       |
| 1245 | 625   | 1700       |
| 1300 | 640   | 1650       |
|      | Well commenced to flow slugs of condensate.   |            |
| 1330 | 680   | 1675       |
| 1345 | 700   | 1680       |
| 1400 | 720   | 1680       |
| 1415 | 750   | 1680       |
| 1428 | 760   | 1680       |
|      | Shut in well.   |            |
| 1500 | 680   | 1760       |
| 1530 | 640   | 1765       |
| 1600 | 600   | 1765       |

Rigged lubricator; ran HP gauge several hundred feet to ensure ease of running; pulled back, bled pressure; secured well.

Thursday 5th March, 1981

Ran in hole with HP gauge. BHP stable at 1987 psi.

At this stage it was decided to discontinue the test for the following reasons:-

- (i) As the slugging of condensate was potentially hazardous, a separator was needed before any further flow testing was carried out. All efforts were to be made to have the available separator approved.
- (ii) The temperature element in the HP gauge was unserviceable.
- (iii) The seat and needle in the Cameron Type H2 choke were badly eroded and required replacing.

Comments

1. The well was flowed for four hours for clean-up. In effect this was the only positive achievement of this test.
2. In the period 15th February to 4th March, 1981, the pressure in the 7" x 2 7/8" annulus had built up to 1200 psi. Initially, it was thought that there must have been a leak
  - (a) around the packer and/or
  - (b) around the tubing hanger and/or
  - (c) in the tubing string

Had there been such a leak however, it would have been expected that some of the calcium chloride brine would have been produced with the gas. As far as could be ascertained such was not the case and significantly the gas flare was very nearly odourless with no indication of the characteristic brick-red calcium colouration.

It was tentatively concluded therefore the pressure build up was due to upward migration of air contained in the calcium chloride brine during mixing and if this was so, there should be little or no further pressure build up.

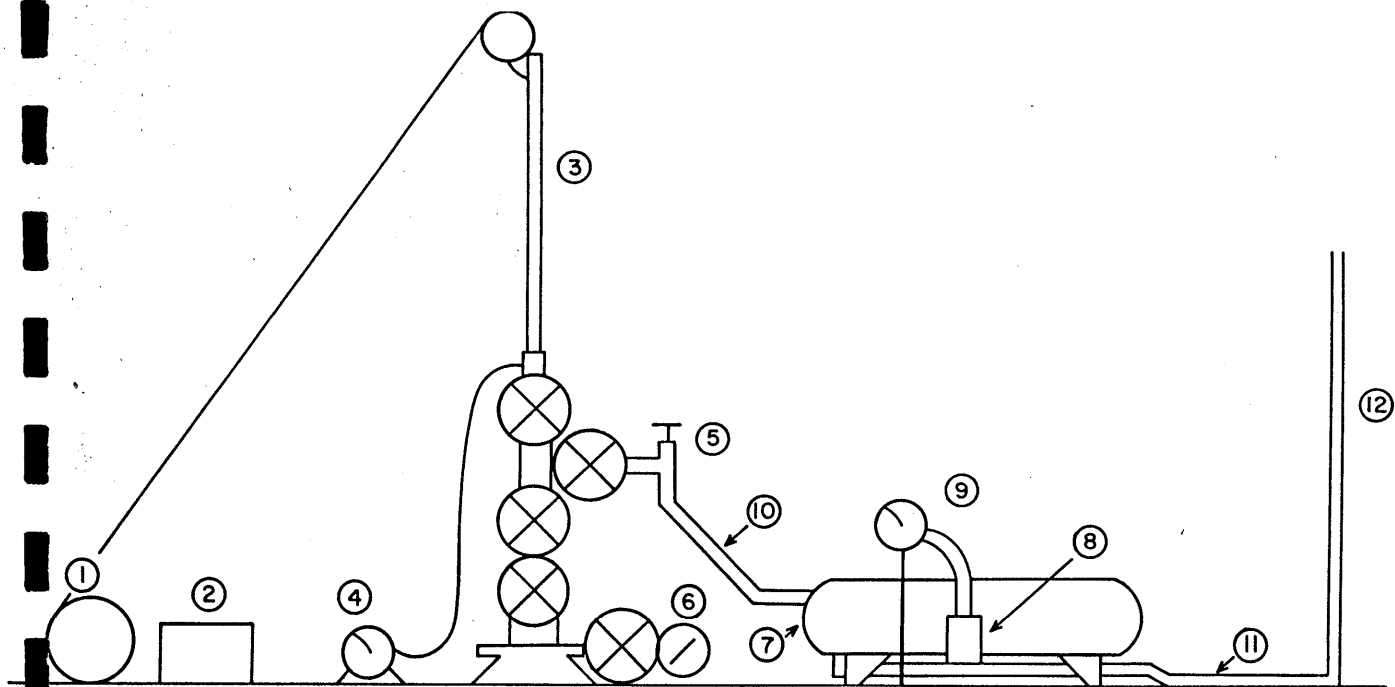
In the interval between the conclusion of Production Test No.2 and the commencement of Production Test No.3, the following pressures were observed. *(in annulus?)*

|          |         |
|----------|---------|
| 6 March  | 430 psi |
| 7 March  | 430 psi |
| 8 March  | 430 psi |
| 9 March  | 430 psi |
| 10 March | 430 psi |
| 11 March | 430 psi |
| 12 March | 430 psi |



PRODUCTION TEST NO.3

Surface Installation (Schematic - not to scale)



- 1 - Logging truck (Hewlett-Packard bottom hole pressure gauge)
- 2 - H-P gauge recorder
- 3 - Lubricator
- 4 - Recording pressure gauge - tubing head pressure (THP)
- 5 - Adjustable choke
- 6 - Pressure gauge - casing head (7" x 2 7/8" annulus) pressure (CHP)
- 7 - Separator
- 8 - Orifice Meter (3 inch)
- 9 - Recording pressure gauge (differential and static pressures)
- 10 - 2 inch flow line (100 ft. long)
- 11 - 2 inch flow line (100 ft. long)
- 12 - Vertical stand pipe (10 ft. high)

Notes

- (a) The lubricator was supported by a crane (not shown on the diagram).
- (b) Under Country Fire Authority regulations, gas could only be flared in the period 0800 to 1800 hours daily and then only if the temperature did not exceed 32°C and the wind velocity was not more than 8 kph.

The four point isochronal test was carried out by Go International Australia Pty. Ltd. whose report follows.

### Assessment of Results

The tests conducted on this well were designed to be of a preliminary nature only and it was considered that more rigorous testing should be carried out by reservoir engineers at the appropriate time.

For this reason the data collected have been used to derive the Open Flow Potential of the well, as it is a general industry rule of thumb that a well can be economically produced at about 15% of this volume. NS

The attached graph shows that the OFP of the well is 95 MMCFD; thus an initial production rate of approximately 14 MMCFD is indicated. It is doubtful, however, with the present equipment in the well, that a flow rate in excess of 10 MMCFD is possible.

Preliminary data indicate that condensate will be produced at least at the rate of 2.5 barrels per MMCF.

Following the completion of Production Test No.3 on 16 March, 1981, the pressure on the 7" x 2 7/8" annulus was bled down at intervals and pressure build up observed.

|            |                                 |
|------------|---------------------------------|
| 16th March | Pressure 300 psi bled to 75 psi |
| 17th March | Pressure 200 psi bled to 0 psi  |
| 18th March | Pressure 125 psi bled to 0 psi  |
| 19th March | Pressure < 75 psi bled to 0 psi |

Between 1700 and 1715 hours 19th March, there was no apparent build up in pressure and the annulus appeared dead.

It is concluded that this annular pressure was caused by the slow vertical migration of air entrained whilst mixing the completion fluid and that its effect may have been exacerbated by the mandatory pressure testing of the packer seat. Remedial operations are unnecessary.

Plot Points are:-

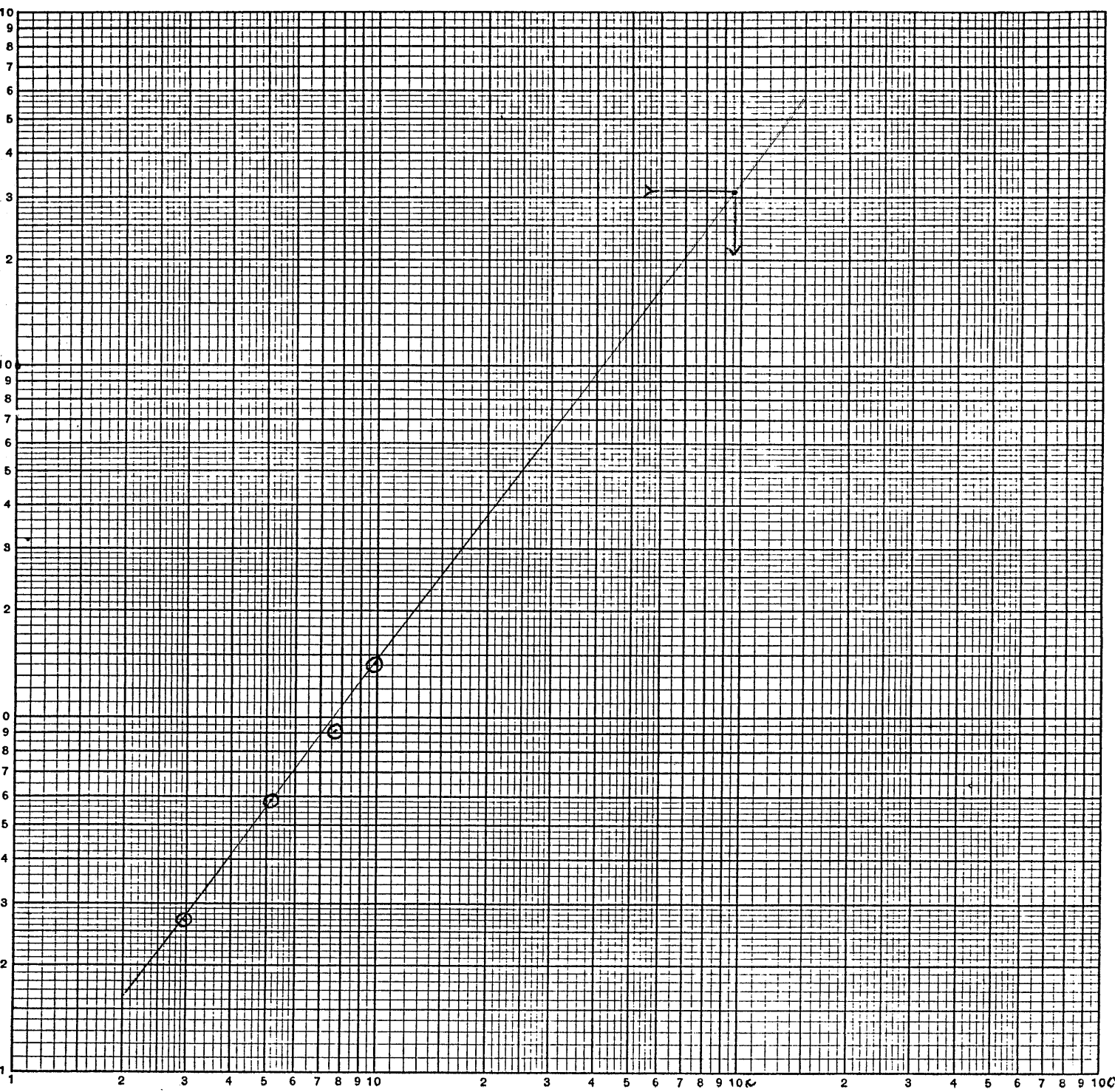
|                 |    |       |
|-----------------|----|-------|
| <sup>2</sup> 27 | vs | 2.975 |
| 59              | vs | 5.158 |
| 91              | vs | 7.797 |
| 148             | vs | 9.855 |

$P_c^2$  is 3177

North Paaratte No 2.

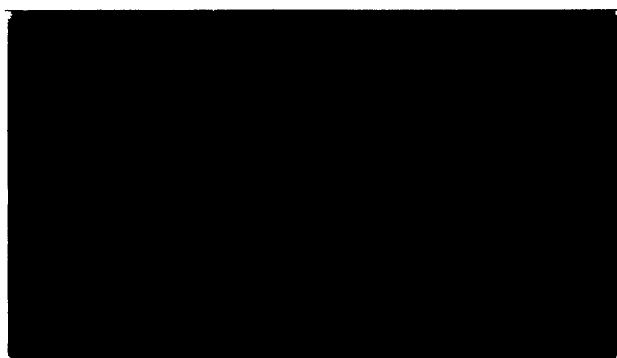
D2 - P2 (Microseconds)

MADE IN U.S.A. KEUFFEL & ESSER CO.



Q MMcf/d.

OFP = 95 MMcf/d.     n = 0.73.



**Go** INTERNATIONAL  
WIRELINE SERVICES  
GO INTERNATIONAL AUSTRALIA PTY. LTD.

(INCORPORATED IN W.A.)

BEACH PETROLEUM N.L.

NORTH PAARATTE NO. 2

MARCH 14, 1981

**GO INTERNATIONAL**  
**WIRELINE SERVICES**  
**GO INTERNATIONAL AUSTRALIA PTY. LTD.**

(INCORPORATED IN W.A.)

Beach Petroleum N.L.

March 2, 1981

North Paaratte No. 2

| <u>HOURS</u>  | <u>REMARKS</u>   |
|---------------|--|
| March 2, 1981 |  |
| 1100          | Depart Sale  |
| 2000          | Arrive Port Campbell   |
| March 3, 1981 |  |
| 0800          | Rig up equipment   |
| 1500          | Pressure test Cameron lubricator to 2500 psi<br>Pull back pressure valve                                 |
| March 4, 1981 |  |
| 0800          | Rigging up   |
| 1000          | Flow well to clean up  |
| 1600          | Shut in well   |
| 1700          | Rig up lubricator and run in hole to 200 metres -<br>check tool. Temperature tool did not work. Rig down |
| March 5, 1981 |  |
| 0700          | Run in hole with only Hewlett Packard Pressure Probe   |
| 0831          | Hang at 1469 metres. Found Cameron choke out   |
| 1115          | Pull out of hole - rig down  |
| 1400          | Pack up gear   |
| 1700          | Depart Port Campbell for Sale  |

**GO INTERNATIONAL**  
**WIRELINE SERVICES**  
**GO INTERNATIONAL AUSTRALIA PTY. LTD.**

(INCORPORATED IN W.A.)

Beach Petroleum N.L.

North Paaratte No. 2

March 11, 1981

| <u>Hours</u>   | <u>Remarks</u>                           |
|----------------|--|
| 1200           | Depart Sale                              |
| 1800           | Arrive Port Campbell                     |
| March 12, 1981 |  |
| 0700           | Rig up                                   |
| 1000           | Pull Cameron Back Pressure valve         |
| 1030           | Rigging up                               |
| 1613           | Flow well to clean up                    |
| 1743           | Shut in well                             |
| 1800           | Run in hole                              |
| 0730           | Hang at 1468 metres                      |
| 1800           | Start P.C.P. printer static B.H.P.       |
| 2400           | Static B.H.P.                            |
| March 13, 1981 |  |
| 0001           | Hang at 1468 metres Static B.H.P.        |
| 2400           | Standby bad weather                      |
| March 14, 1981 |  |
| 0804           | Flow well 16/64 choke, 1.250 orifice     |
| 0830           | Change choke 18/64                       |
| 1130           | Shut in well                             |
| 1430           | Flow well on 22/64 choke 1.500 orifice   |
| 1730           | Shut in well                             |
| March 15, 1981 |  |
| 0001           | Well shut in                             |
| 0800           | Flow well on 26/64 choke @ 1.875 orifice |
| 1400           | Flow well on 30/64 choke @ 2.000 orifice |
| 1700           | Shut in well final build up              |

Beach Petroleum N.L.

North Paaratte No. 2

March 11, 1981

Continued.....

Hours

Remarks

March 16, 1981

|      |   |
|------|---|
| 0610 | Pull up hole for Static Gradient                              |
| 0617 | Hang @ 1368 metres  |
| 0635 | Pull up   |
| 0645 | Hang @ 1220 metres  |
| 0703 | Pull up   |
| 0722 | Hang at 915 metres  |
| 0741 | Pull out of hole  |
| 0800 | Hang at 610 metres  |
| 0825 | Pull out of hole  |
| 0842 | Hang at 305   |
| 0907 | Pull up   |
| 0924 | Hang in lubricator  |
| 0940 | Shut in well bleed down                                       |
| 1000 | Run in well with 2-7/8 X plug Set at 4759 feet                |
| 1100 | Rig up Cameron lubricator and set Cameron back pressure valve |
| 1200 | Rig down  |
| 1500 | Move to next location   |



Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 13/03/81

| Tool Positioned at a depth of: 1468 |          |       |         |          |       |         |          |       |         |
|-------------------------------------|----------|-------|---------|----------|-------|---------|----------|-------|---------|
|                                     | Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   |
| 13/3                                | 13:03:30 | 141.3 | 1987.53 | 13:03:40 | 141.4 | 1987.55 | 13:30:00 | 141.3 | 1987.53 |
|                                     | 14:00:00 | 141.3 | 1987.55 | 14:30:00 | 141.3 | 1987.54 | 15:00:00 | 141.4 | 1987.56 |
|                                     | 15:30:00 | 141.4 | 1987.55 | 16:00:00 | 141.3 | 1987.55 | 16:30:00 | 141.4 | 1987.56 |
|                                     | 17:00:00 | 141.4 | 1987.56 | 17:30:00 | 141.3 | 1987.55 | 18:00:00 | 141.4 | 1987.54 |
|                                     | 18:30:00 | 141.4 | 1987.55 | 19:00:00 | 141.3 | 1987.54 | 19:30:00 | 141.3 | 1987.54 |
|                                     | 20:00:00 | 141.4 | 1987.54 | 20:30:00 | 141.4 | 1987.55 | 21:00:00 | 141.3 | 1987.53 |
|                                     | 21:30:00 | 141.4 | 1987.54 | 22:00:00 | 141.3 | 1987.54 | 22:30:00 | 141.4 | 1987.56 |
|                                     | 23:00:00 | 141.4 | 1987.54 | 23:30:00 | 141.3 | 1987.53 | 00:00:00 | 141.4 | 1987.54 |
|                                     | 00:30:00 | 141.4 | 1987.54 | 01:00:00 | 141.3 | 1987.53 | 01:30:00 | 141.3 | 1987.53 |
|                                     | 02:00:00 | 141.3 | 1987.53 | 02:30:00 | 141.4 | 1987.54 | 03:00:00 | 141.4 | 1987.54 |
|                                     | 03:30:00 | 141.4 | 1987.54 | 04:00:00 | 141.4 | 1987.54 | 04:30:00 | 141.3 | 1987.52 |
|                                     | 05:00:00 | 141.4 | 1987.54 | 05:30:00 | 141.3 | 1987.52 | 06:00:00 | 141.3 | 1987.53 |
|                                     | 06:30:00 | 141.4 | 1987.54 | 07:00:00 | 141.4 | 1987.53 | 07:30:00 | 141.3 | 1987.53 |
|                                     | 08:00:00 | 141.4 | 1987.54 | 08:03:00 | 141.3 | 1987.53 | 08:03:10 | 141.4 | 1987.53 |
|                                     | 08:03:20 | 141.4 | 1987.54 | 08:03:30 | 141.3 | 1987.53 | 08:03:40 | 141.4 | 1987.54 |
|                                     | 08:03:50 | 141.4 | 1987.51 | 08:04:00 | 141.3 | 1987.53 | 08:04:10 | 141.4 | 1987.52 |
|                                     | 08:04:20 | 141.4 | 1986.13 | 08:04:30 | 141.3 | 1984.68 | 08:04:40 | 141.3 | 1983.10 |
|                                     | 08:04:50 | 141.2 | 1982.05 | 08:05:00 | 141.2 | 1981.82 | 08:05:10 | 141.3 | 1981.64 |
|                                     | 08:05:20 | 141.4 | 1981.70 | 08:05:30 | 141.3 | 1981.78 | 08:05:40 | 141.4 | 1981.90 |
|                                     | 08:05:50 | 141.4 | 1982.12 | 08:06:00 | 141.4 | 1982.35 | 08:06:10 | 141.4 | 1982.37 |
|                                     | 08:06:20 | 141.4 | 1982.54 | 08:06:30 | 141.5 | 1982.84 | 08:06:40 | 141.4 | 1982.77 |
|                                     | 08:06:50 | 141.5 | 1983.03 | 08:07:00 | 141.4 | 1983.02 | 08:07:10 | 141.4 | 1983.03 |
|                                     | 08:07:20 | 141.4 | 1983.14 | 08:07:30 | 141.4 | 1983.18 | 08:07:40 | 141.5 | 1983.20 |
|                                     | 08:07:50 | 141.4 | 1983.22 | 08:08:00 | 141.4 | 1983.20 | 08:08:10 | 141.5 | 1983.08 |
|                                     | 08:08:20 | 141.4 | 1983.30 | 08:08:30 | 141.4 | 1983.29 | 08:08:40 | 141.4 | 1983.10 |
|                                     | 08:08:50 | 141.4 | 1983.27 | 08:09:00 | 141.4 | 1983.28 | 08:09:10 | 141.5 | 1983.27 |
|                                     | 08:09:20 | 141.4 | 1983.37 | 08:09:30 | 141.5 | 1983.47 | 08:09:40 | 141.5 | 1983.25 |
|                                     | 08:09:50 | 141.4 | 1983.44 | 08:10:00 | 141.5 | 1983.33 | 08:10:10 | 141.4 | 1983.45 |
|                                     | 08:10:20 | 141.5 | 1983.54 | 08:10:30 | 141.5 | 1983.46 | 08:10:40 | 141.4 | 1983.52 |
|                                     | 08:10:50 | 141.4 | 1983.66 | 08:11:00 | 141.5 | 1983.58 | 08:11:10 | 141.5 | 1983.68 |
|                                     | 08:11:20 | 141.4 | 1983.68 | 08:11:30 | 141.5 | 1983.82 | 08:11:40 | 141.5 | 1983.66 |
|                                     | 08:11:50 | 141.5 | 1983.61 | 08:12:00 | 141.4 | 1983.83 | 08:12:10 | 141.5 | 1983.58 |
|                                     | 08:12:20 | 141.5 | 1983.74 | 08:12:30 | 141.5 | 1983.75 | 08:12:40 | 141.4 | 1983.72 |
|                                     | 08:12:50 | 141.5 | 1983.74 | 08:13:00 | 141.5 | 1983.71 | 08:13:10 | 141.5 | 1983.84 |
|                                     | 08:13:20 | 141.5 | 1983.79 | 08:13:30 | 141.5 | 1983.71 | 08:13:40 | 141.5 | 1983.87 |
|                                     | 08:13:50 | 141.5 | 1984.01 | 08:14:00 | 141.5 | 1983.85 | 08:14:10 | 141.5 | 1984.07 |
|                                     | 08:14:20 | 141.5 | 1984.03 | 08:14:30 | 141.5 | 1984.03 | 08:14:40 | 141.5 | 1984.06 |
|                                     | 08:14:50 | 141.5 | 1983.99 | 08:15:00 | 141.4 | 1984.06 | 08:15:10 | 141.4 | 1984.19 |
|                                     | 08:15:20 | 141.5 | 1984.09 | 08:15:30 | 141.4 | 1984.17 | 08:15:40 | 141.4 | 1984.19 |
|                                     | 08:15:50 | 141.4 | 1984.11 | 08:16:00 | 141.5 | 1984.20 | 08:16:10 | 141.5 | 1984.16 |
|                                     | 08:16:20 | 141.5 | 1984.08 | 08:16:30 | 141.5 | 1984.08 | 08:17:00 | 141.5 | 1984.05 |
|                                     | 08:17:30 | 141.5 | 1984.21 | 08:18:00 | 141.5 | 1984.19 | 08:18:30 | 141.4 | 1984.21 |
|                                     | 08:19:00 | 141.5 | 1984.19 | 08:19:30 | 141.5 | 1984.23 | 08:20:00 | 141.5 | 1984.24 |
|                                     | 08:20:30 | 141.5 | 1984.28 | 08:21:00 | 141.5 | 1984.20 | 08:21:30 | 141.4 | 1984.38 |
|                                     | 08:22:00 | 141.5 | 1984.30 | 08:22:30 | 141.5 | 1984.38 | 08:23:00 | 141.4 | 1984.26 |
|                                     | 08:23:30 | 141.5 | 1984.32 | 08:24:00 | 141.5 | 1984.23 | 08:24:30 | 141.5 | 1984.22 |
|                                     | 08:25:00 | 141.5 | 1984.26 | 08:25:30 | 141.5 | 1984.36 | 08:26:00 | 141.4 | 1984.34 |
|                                     | 08:26:30 | 141.5 | 1984.51 | 08:27:00 | 141.5 | 1984.42 | 08:27:30 | 141.4 | 1984.49 |
|                                     | 08:28:00 | 141.5 | 1984.42 | 08:28:30 | 141.5 | 1984.46 | 08:29:00 | 141.5 | 1984.39 |
|                                     | 08:29:30 | 141.5 | 1984.46 | 08:30:00 | 141.5 | 1984.53 | 08:30:30 | 141.3 | 1980.30 |
|                                     | 08:31:00 | 141.5 | 1979.48 | 08:31:30 | 141.4 | 1979.34 | 08:32:00 | 141.5 | 1978.97 |
|                                     | 08:32:30 | 141.4 | 1978.95 | 08:33:00 | 141.4 | 1979.12 | 08:33:30 | 141.4 | 1979.13 |
|                                     | 08:34:00 | 141.5 | 1979.25 | 08:34:30 | 141.5 | 1979.29 | 08:35:00 | 141.5 | 1979.31 |
|                                     | 08:35:30 | 141.4 | 1979.48 | 08:36:00 | 141.5 | 1979.65 | 08:36:30 | 141.4 | 1979.79 |
|                                     | 08:37:00 | 141.5 | 1980.09 | 08:37:30 | 141.4 | 1980.04 | 08:38:00 | 141.4 | 1980.17 |
|                                     | 08:38:30 | 141.4 | 1980.24 | 08:39:00 | 141.5 | 1980.56 | 08:39:30 | 141.4 | 1980.63 |
|                                     | 08:40:00 | 141.4 | 1980.71 | 08:40:30 | 141.4 | 1980.80 | 08:41:00 | 141.4 | 1980.95 |
|                                     | 08:42:00 | 141.4 | 1980.85 | 08:43:00 | 141.5 | 1980.97 | 08:44:00 | 141.4 | 1981.06 |
|                                     | 08:45:00 | 141.4 | 1981.02 | 08:46:00 | 141.5 | 1980.83 | 08:47:00 | 141.4 | 1981.03 |
|                                     | 08:48:00 | 141.5 | 1980.99 | 08:49:00 | 141.4 | 1980.99 | 08:50:00 | 141.5 | 1981.05 |
|                                     | 08:51:00 | 141.5 | 1981.07 | 08:52:00 | 141.4 | 1981.05 | 08:53:00 | 141.5 | 1980.95 |

Well Name: NORTH PAARATTIE #2

Company: BEACH PETROLEUM

Date: 14/03/81

Tool Positioned at a depth of: 1468

| Time                 | Temp. | PSIA.   | Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   |
|----------------------|-------|---------|----------|-------|---------|----------|-------|---------|
| 08:54:00             | 141.4 | 1980.82 | 08:55:00 | 141.5 | 1980.67 | 08:56:00 | 141.5 | 1980.62 |
| 08:57:00             | 141.4 | 1980.44 | 08:58:00 | 141.5 | 1980.31 | 08:59:00 | 141.4 | 1980.20 |
| 09:00:00             | 141.5 | 1980.03 | 09:01:00 | 141.4 | 1979.98 | 09:02:00 | 141.4 | 1979.96 |
| 09:03:00             | 141.4 | 1979.83 | 09:04:00 | 141.4 | 1979.76 | 09:05:00 | 141.4 | 1979.64 |
| 09:06:00             | 141.4 | 1979.65 | 09:07:00 | 141.5 | 1979.65 | 09:08:00 | 141.5 | 1979.69 |
| 09:09:00             | 141.4 | 1979.77 | 09:10:00 | 141.5 | 1979.81 | 09:11:00 | 141.4 | 1979.78 |
| 09:12:00             | 141.4 | 1979.76 | 09:13:00 | 141.4 | 1979.73 | 09:14:00 | 141.4 | 1979.73 |
| 09:15:00             | 141.4 | 1979.75 | 09:16:00 | 141.5 | 1979.71 | 09:17:00 | 141.4 | 1979.79 |
| 09:18:00             | 141.4 | 1979.84 | 09:19:00 | 141.4 | 1979.94 | 09:20:00 | 141.4 | 1979.98 |
| 09:21:00             | 141.4 | 1979.98 | 09:22:00 | 141.4 | 1980.06 | 09:23:00 | 141.5 | 1980.03 |
| 09:24:00             | 141.4 | 1980.10 | 09:25:00 | 141.5 | 1980.11 | 09:26:00 | 141.4 | 1980.10 |
| 09:27:00             | 141.4 | 1980.06 | 09:28:00 | 141.4 | 1980.06 | 09:29:00 | 141.4 | 1980.06 |
| 09:30:00             | 141.4 | 1980.04 | 09:31:00 | 141.4 | 1979.97 | 09:32:00 | 141.4 | 1979.96 |
| 09:33:00             | 141.4 | 1979.95 | 09:34:00 | 141.4 | 1979.90 | 09:35:00 | 141.4 | 1979.94 |
| 09:36:00             | 141.5 | 1979.93 | 09:37:00 | 141.5 | 1979.92 | 09:38:00 | 141.4 | 1979.93 |
| 09:39:00             | 141.4 | 1979.92 | 09:40:00 | 141.4 | 1979.94 | 09:41:00 | 141.4 | 1979.93 |
| 09:42:00             | 141.4 | 1979.92 | 09:43:00 | 141.4 | 1979.83 | 09:44:00 | 141.4 | 1979.81 |
| 09:45:00             | 141.4 | 1979.79 | 09:46:00 | 141.4 | 1979.77 | 09:47:00 | 141.5 | 1979.74 |
| 09:48:00             | 141.4 | 1979.72 | 09:49:00 | 141.4 | 1979.70 | 09:50:00 | 141.5 | 1979.69 |
| 09:51:00             | 141.4 | 1979.66 | 09:52:00 | 141.4 | 1979.60 | 09:53:00 | 141.5 | 1979.59 |
| 09:54:00             | 141.4 | 1979.59 | 09:55:00 | 141.4 | 1979.57 | 09:56:00 | 141.4 | 1979.53 |
| 09:57:00             | 141.4 | 1979.47 | 09:58:00 | 141.4 | 1979.47 | 09:59:00 | 141.4 | 1979.45 |
| 10:00:00             | 141.4 | 1979.44 | 10:01:00 | 141.4 | 1979.40 | 10:02:00 | 141.4 | 1979.38 |
| 10:03:00             | 141.4 | 1979.32 | 10:04:00 | 141.4 | 1979.29 | 10:05:00 | 141.4 | 1979.32 |
| 10:06:00             | 141.5 | 1979.24 | 10:07:00 | 141.4 | 1979.20 | 10:08:00 | 141.4 | 1979.18 |
| 10:09:00             | 141.4 | 1979.15 | 10:10:00 | 141.4 | 1979.17 | 10:11:00 | 141.4 | 1979.15 |
| 10:12:00             | 141.4 | 1979.15 | 10:13:00 | 141.5 | 1979.10 | 10:14:00 | 141.4 | 1979.08 |
| 10:15:00             | 141.4 | 1979.04 | 10:16:00 | 141.4 | 1979.00 | 10:17:00 | 141.5 | 1978.99 |
| 10:18:00             | 141.4 | 1978.94 | 10:19:00 | 141.5 | 1978.93 | 10:20:00 | 141.4 | 1978.89 |
| 10:21:00             | 141.4 | 1978.85 | 10:22:00 | 141.4 | 1978.84 | 10:23:00 | 141.4 | 1978.84 |
| 10:24:00             | 141.5 | 1978.79 | 10:25:00 | 141.4 | 1978.80 | 10:26:00 | 141.4 | 1978.78 |
| 10:27:00             | 141.4 | 1978.73 | 10:28:00 | 141.4 | 1978.71 | 10:29:00 | 141.4 | 1978.70 |
| 10:30:00             | 141.4 | 1978.69 | 10:31:00 | 141.4 | 1978.65 | 10:32:00 | 141.4 | 1978.62 |
| 10:33:00             | 141.4 | 1978.61 | 10:34:00 | 141.4 | 1978.58 | 10:35:00 | 141.4 | 1978.53 |
| 10:36:00             | 141.4 | 1978.54 | 10:37:00 | 141.4 | 1978.52 | 10:38:00 | 141.4 | 1978.45 |
| 10:39:00             | 141.4 | 1978.46 | 10:40:00 | 141.4 | 1978.49 | 10:41:00 | 141.4 | 1978.44 |
| 10:42:00             | 141.4 | 1978.43 | 10:43:00 | 141.4 | 1978.43 | 10:44:00 | 141.4 | 1978.39 |
| 10:45:00             | 141.4 | 1978.37 | 10:46:00 | 141.5 | 1978.33 | 10:47:00 | 141.4 | 1978.33 |
| 10:48:00             | 141.4 | 1978.31 | 10:49:00 | 141.4 | 1978.28 | 10:50:00 | 141.4 | 1978.24 |
| 10:51:00             | 141.4 | 1978.23 | 10:52:00 | 141.5 | 1978.22 | 10:53:00 | 141.4 | 1978.19 |
| 10:54:00             | 141.4 | 1978.18 | 10:55:00 | 141.5 | 1978.14 | 10:56:00 | 141.4 | 1978.13 |
| 10:57:00             | 141.4 | 1978.14 | 10:58:00 | 141.4 | 1978.09 | 10:59:00 | 141.4 | 1978.07 |
| 11:00:00             | 141.5 | 1978.02 | 11:01:00 | 141.4 | 1978.02 | 11:02:00 | 141.4 | 1978.06 |
| 11:03:00             | 141.4 | 1978.00 | 11:04:00 | 141.4 | 1977.95 | 11:05:00 | 141.4 | 1977.94 |
| 11:06:00             | 141.4 | 1977.92 | 11:07:00 | 141.4 | 1977.90 | 11:08:00 | 141.4 | 1977.85 |
| 11:09:00             | 141.4 | 1977.85 | 11:10:00 | 141.4 | 1977.83 | 11:11:00 | 141.4 | 1977.80 |
| 11:12:00             | 141.4 | 1977.79 | 11:13:00 | 141.4 | 1977.77 | 11:14:00 | 141.5 | 1977.72 |
| 11:15:00             | 141.5 | 1977.73 | 11:16:00 | 141.4 | 1977.73 | 11:17:00 | 141.4 | 1977.67 |
| 11:18:00             | 141.4 | 1977.65 | 11:19:00 | 141.4 | 1977.67 | 11:20:00 | 141.4 | 1977.64 |
| 11:21:00             | 141.4 | 1977.63 | 11:22:00 | 141.4 | 1977.65 | 11:23:00 | 141.4 | 1977.63 |
| 11:24:00             | 141.4 | 1977.58 | 11:25:00 | 141.4 | 1977.57 | 11:26:00 | 141.5 | 1977.57 |
| 11:27:00             | 141.4 | 1977.57 | 11:28:00 | 141.4 | 1977.56 | 11:29:00 | 141.4 | 1977.54 |
| 11:29:50             | 141.4 | 1977.54 | 11:30:00 | 141.4 | 1977.52 | 11:30:10 | 141.4 | 1977.52 |
| <u>BU#1</u> 11:30:20 | 141.4 | 1977.80 | 11:30:30 | 141.6 | 1985.82 | 11:30:40 | 141.7 | 1985.90 |
| 11:30:50             | 141.7 | 1986.06 | 11:31:00 | 141.8 | 1986.20 | 11:31:10 | 141.7 | 1986.28 |
| 11:31:20             | 141.8 | 1986.36 | 11:31:30 | 141.7 | 1986.42 | 11:31:40 | 141.7 | 1986.46 |
| 11:31:50             | 141.7 | 1986.50 | 11:32:00 | 141.7 | 1986.55 | 11:32:10 | 141.7 | 1986.61 |
| 11:32:20             | 141.7 | 1986.64 | 11:32:30 | 141.7 | 1986.66 | 11:32:40 | 141.7 | 1986.68 |
| 11:32:50             | 141.7 | 1986.72 | 11:33:00 | 141.6 | 1986.74 | 11:33:10 | 141.6 | 1986.76 |
| 11:33:20             | 141.7 | 1986.78 | 11:33:30 | 141.6 | 1986.80 | 11:33:40 | 141.6 | 1986.83 |

Well Name: NORTH PARRATTIE #2 Company: BEACH PETROLEUM Date: 14/03/81

Tool Positioned at a depth of: 1468

| Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   | Time         | Temp. | PSIA.   |
|----------|-------|---------|----------|-------|---------|--------------|-------|---------|
| 11:33:50 | 141.6 | 1986.84 | 11:34:00 | 141.7 | 1986.86 | 11:34:10     | 141.6 | 1986.87 |
| 11:34:20 | 141.6 | 1986.87 | 11:34:30 | 141.6 | 1986.89 | 11:34:40     | 141.6 | 1986.91 |
| 11:34:50 | 141.6 | 1986.93 | 11:35:00 | 141.6 | 1986.93 | 11:35:30     | 141.6 | 1986.97 |
| 11:36:00 | 141.6 | 1986.98 | 11:36:30 | 141.6 | 1986.99 | 11:37:00     | 141.6 | 1987.02 |
| 11:37:30 | 141.5 | 1987.03 | 11:38:00 | 141.6 | 1987.04 | 11:38:30     | 141.6 | 1987.06 |
| 11:39:00 | 141.6 | 1987.06 | 11:39:30 | 141.5 | 1987.07 | 11:40:00     | 141.5 | 1987.08 |
| 11:40:30 | 141.5 | 1987.09 | 11:41:00 | 141.6 | 1987.09 | 11:41:30     | 141.5 | 1987.09 |
| 11:42:00 | 141.5 | 1987.09 | 11:43:00 | 141.5 | 1987.11 | 11:44:00     | 141.5 | 1987.11 |
| 11:45:00 | 141.5 | 1987.12 | 11:46:00 | 141.5 | 1987.13 | 11:47:00     | 141.5 | 1987.14 |
| 11:48:00 | 141.5 | 1987.13 | 11:49:00 | 141.6 | 1987.16 | 11:50:00     | 141.5 | 1987.15 |
| 11:51:00 | 141.5 | 1987.15 | 11:52:00 | 141.5 | 1987.15 | 11:53:00     | 141.5 | 1987.16 |
| 11:54:00 | 141.5 | 1987.17 | 11:55:00 | 141.5 | 1987.18 | 11:56:00     | 141.6 | 1987.20 |
| 11:57:00 | 141.5 | 1987.18 | 11:58:00 | 141.5 | 1987.19 | 11:59:00     | 141.6 | 1987.21 |
| 12:00:00 | 141.5 | 1987.19 | 12:01:00 | 141.5 | 1987.21 | 12:02:00     | 141.5 | 1987.21 |
| 12:03:00 | 141.5 | 1987.21 | 12:04:00 | 141.6 | 1987.22 | 12:05:00     | 141.5 | 1987.22 |
| 12:06:00 | 141.5 | 1987.21 | 12:07:00 | 141.5 | 1987.22 | 12:08:00     | 141.5 | 1987.21 |
| 12:09:00 | 141.5 | 1987.22 | 12:10:00 | 141.5 | 1987.21 | 12:11:00     | 141.5 | 1987.23 |
| 12:12:00 | 141.5 | 1987.24 | 12:13:00 | 141.5 | 1987.23 | 12:14:00     | 141.5 | 1987.23 |
| 12:15:00 | 141.5 | 1987.24 | 12:16:00 | 141.5 | 1987.25 | 12:17:00     | 141.4 | 1987.25 |
| 12:18:00 | 141.5 | 1987.25 | 12:19:00 | 141.5 | 1987.25 | 12:20:00     | 141.5 | 1987.25 |
| 12:21:00 | 141.5 | 1987.25 | 12:22:00 | 141.5 | 1987.25 | 12:23:00     | 141.5 | 1987.25 |
| 12:24:00 | 141.5 | 1987.26 | 12:25:00 | 141.4 | 1987.26 | 12:26:00     | 141.5 | 1987.25 |
| 12:27:00 | 141.4 | 1987.27 | 12:28:00 | 141.5 | 1987.27 | 12:29:00     | 141.4 | 1987.27 |
| 12:30:00 | 141.4 | 1987.27 | 12:31:00 | 141.4 | 1987.28 | 12:32:00     | 141.5 | 1987.28 |
| 12:33:00 | 141.4 | 1987.27 | 12:34:00 | 141.5 | 1987.28 | 12:35:00     | 141.5 | 1987.29 |
| 12:36:00 | 141.5 | 1987.28 | 12:37:00 | 141.4 | 1987.29 | 12:38:00     | 141.5 | 1987.29 |
| 12:39:00 | 141.4 | 1987.29 | 12:40:00 | 141.5 | 1987.29 | 12:41:00     | 141.5 | 1987.29 |
| 12:42:00 | 141.5 | 1987.29 | 12:43:00 | 141.4 | 1987.30 | 12:44:00     | 141.5 | 1987.29 |
| 12:45:00 | 141.5 | 1987.30 | 12:46:00 | 141.5 | 1987.29 | 12:47:00     | 141.5 | 1987.30 |
| 12:48:00 | 141.4 | 1987.31 | 12:49:00 | 141.4 | 1987.31 | 12:50:00     | 141.5 | 1987.30 |
| 12:51:00 | 141.5 | 1987.31 | 12:52:00 | 141.4 | 1987.31 | 12:53:00     | 141.4 | 1987.30 |
| 12:54:00 | 141.4 | 1987.31 | 12:55:00 | 141.5 | 1987.31 | 12:56:00     | 141.4 | 1987.32 |
| 12:57:00 | 141.4 | 1987.32 | 12:58:00 | 141.5 | 1987.31 | 12:59:00     | 141.4 | 1987.32 |
| 13:00:00 | 141.4 | 1987.32 | 13:01:00 | 141.4 | 1987.33 | 13:02:00     | 141.4 | 1987.31 |
| 13:03:00 | 141.4 | 1987.32 | 13:04:00 | 141.4 | 1987.31 | 13:05:00     | 141.4 | 1987.33 |
| 13:10:00 | 141.4 | 1987.32 | 13:20:00 | 141.5 | 1987.34 | 13:30:00     | 141.5 | 1987.34 |
| 13:40:00 | 141.5 | 1987.35 | 13:50:00 | 141.5 | 1987.33 | 14:00:00     | 141.5 | 1987.36 |
| 14:10:00 | 141.5 | 1987.36 | 14:20:00 | 141.5 | 1987.36 | 14:29:40     | 141.5 | 1987.36 |
| 14:29:50 | 141.5 | 1987.37 | 14:30:00 | 141.5 | 1987.37 | DD#214:30:10 | 141.5 | 1986.90 |
| 14:30:20 | 141.5 | 1986.74 | 14:30:30 | 141.5 | 1986.21 | 14:30:40     | 141.5 | 1986.16 |
| 14:30:50 | 141.4 | 1986.15 | 14:31:00 | 141.4 | 1986.11 | 14:31:10     | 141.4 | 1986.11 |
| 14:31:20 | 141.4 | 1985.31 | 14:31:30 | 141.4 | 1984.06 | 14:31:40     | 141.4 | 1986.71 |
| 14:31:50 | 141.5 | 1986.72 | 14:32:00 | 141.4 | 1983.30 | 14:32:10     | 141.3 | 1982.53 |
| 14:32:20 | 141.3 | 1981.19 | 14:32:30 | 141.4 | 1980.82 | 14:32:40     | 141.4 | 1980.68 |
| 14:32:50 | 141.4 | 1980.57 | 14:33:00 | 141.4 | 1980.53 | 14:33:10     | 141.4 | 1980.50 |
| 14:33:20 | 141.5 | 1980.50 | 14:33:30 | 141.4 | 1980.50 | 14:33:40     | 141.4 | 1980.50 |
| 14:33:50 | 141.4 | 1980.50 | 14:34:00 | 141.4 | 1978.29 | 14:34:10     | 141.3 | 1975.62 |
| 14:34:20 | 141.2 | 1973.10 | 14:34:30 | 141.3 | 1971.31 | 14:34:40     | 141.3 | 1969.79 |
| 14:34:50 | 141.3 | 1969.35 | 14:35:00 | 141.3 | 1969.29 | 14:35:10     | 141.4 | 1969.43 |
| 14:35:20 | 141.4 | 1969.63 | 14:35:30 | 141.3 | 1969.74 | 14:35:40     | 141.4 | 1969.85 |
| 14:35:50 | 141.4 | 1969.86 | 14:36:00 | 141.3 | 1969.82 | 14:36:10     | 141.3 | 1969.75 |
| 14:36:20 | 141.4 | 1969.74 | 14:36:30 | 141.3 | 1969.69 | 14:36:40     | 141.4 | 1969.63 |
| 14:36:50 | 141.3 | 1969.56 | 14:37:00 | 141.3 | 1969.44 | 14:37:10     | 141.3 | 1969.35 |
| 14:37:20 | 141.3 | 1969.22 | 14:37:30 | 141.2 | 1969.13 | 14:37:40     | 141.3 | 1968.92 |
| 14:37:50 | 141.3 | 1968.76 | 14:38:00 | 141.2 | 1968.64 | 14:38:10     | 141.3 | 1968.56 |
| 14:38:20 | 141.3 | 1968.48 | 14:38:30 | 141.3 | 1968.43 | 14:38:40     | 141.3 | 1968.38 |
| 14:38:50 | 141.3 | 1968.32 | 14:39:00 | 141.3 | 1968.30 | 14:39:30     | 141.3 | 1968.18 |
| 14:40:00 | 141.3 | 1968.02 | 14:40:30 | 141.2 | 1967.81 | 14:41:00     | 141.2 | 1967.64 |
| 14:41:30 | 141.2 | 1967.63 | 14:42:00 | 141.2 | 1967.95 | 14:42:30     | 141.2 | 1968.09 |
| 14:43:00 | 141.3 | 1968.20 | 14:43:30 | 141.2 | 1968.21 | 14:44:00     | 141.2 | 1968.17 |

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| Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   |
|----------|-------|---------|----------|-------|---------|----------|-------|---------|
| 14:44:30 | 141.2 | 1968.14 | 14:45:00 | 141.2 | 1968.14 | 14:45:30 | 141.3 | 1968.09 |
| 14:46:00 | 141.2 | 1968.05 | 14:46:30 | 141.2 | 1968.01 | 14:47:00 | 141.2 | 1968.04 |
| 14:47:30 | 141.3 | 1968.24 | 14:48:00 | 141.2 | 1968.33 | 14:48:30 | 141.2 | 1968.33 |
| 14:49:00 | 141.3 | 1968.37 | 14:49:30 | 141.3 | 1968.36 | 14:50:00 | 141.2 | 1968.36 |
| 14:51:00 | 141.2 | 1968.40 | 14:52:00 | 141.2 | 1968.74 | 14:53:00 | 141.2 | 1968.90 |
| 14:54:00 | 141.3 | 1968.96 | 14:55:00 | 141.2 | 1968.97 | 14:56:00 | 141.2 | 1968.95 |
| 14:57:00 | 141.3 | 1968.96 | 14:58:00 | 141.2 | 1968.90 | 14:59:00 | 141.3 | 1968.93 |
| 15:00:00 | 141.2 | 1968.90 | 15:01:00 | 141.2 | 1968.87 | 15:02:00 | 141.2 | 1968.85 |
| 15:03:00 | 141.3 | 1968.84 | 15:04:00 | 141.3 | 1968.77 | 15:05:00 | 141.3 | 1968.74 |
| 15:06:00 | 141.2 | 1968.66 | 15:07:00 | 141.2 | 1968.60 | 15:08:00 | 141.2 | 1968.45 |
| 15:09:00 | 141.2 | 1968.33 | 15:10:00 | 141.2 | 1968.48 | 15:11:00 | 141.2 | 1969.10 |
| 15:12:00 | 141.2 | 1969.53 | 15:13:00 | 141.2 | 1969.69 | 15:14:00 | 141.3 | 1969.68 |
| 15:15:00 | 141.2 | 1969.61 | 15:16:00 | 141.3 | 1969.58 | 15:17:00 | 141.2 | 1969.50 |
| 15:18:00 | 141.2 | 1969.49 | 15:19:00 | 141.3 | 1969.44 | 15:20:00 | 141.2 | 1969.36 |
| 15:21:00 | 141.3 | 1969.40 | 15:22:00 | 141.3 | 1969.46 | 15:23:00 | 141.3 | 1969.51 |
| 15:24:00 | 141.3 | 1969.48 | 15:25:00 | 141.3 | 1969.41 | 15:26:00 | 141.3 | 1969.37 |
| 15:27:00 | 141.3 | 1969.25 | 15:28:00 | 141.3 | 1969.35 | 15:29:00 | 141.2 | 1969.18 |
| 15:30:00 | 141.2 | 1969.21 | 15:31:00 | 141.2 | 1969.06 | 15:32:00 | 141.2 | 1968.97 |
| 15:33:00 | 141.2 | 1968.99 | 15:34:00 | 141.2 | 1968.78 | 15:35:00 | 141.3 | 1968.83 |
| 15:36:00 | 141.3 | 1968.49 | 15:37:00 | 141.2 | 1968.33 | 15:38:00 | 141.3 | 1968.34 |
| 15:39:00 | 141.3 | 1968.20 | 15:40:00 | 141.3 | 1968.27 | 15:41:00 | 141.2 | 1968.02 |
| 15:42:00 | 141.3 | 1968.14 | 15:43:00 | 141.3 | 1967.99 | 15:44:00 | 141.3 | 1968.11 |
| 15:45:00 | 141.2 | 1968.01 | 15:46:00 | 141.2 | 1967.84 | 15:47:00 | 141.2 | 1968.07 |
| 15:48:00 | 141.2 | 1967.90 | 15:49:00 | 141.2 | 1968.04 | 15:50:00 | 141.2 | 1967.81 |
| 15:51:00 | 141.2 | 1967.84 | 15:52:00 | 141.2 | 1967.72 | 15:53:00 | 141.3 | 1968.24 |
| 15:54:00 | 141.2 | 1968.32 | 15:55:00 | 141.3 | 1968.25 | 15:56:00 | 141.3 | 1968.26 |
| 15:57:00 | 141.2 | 1968.17 | 15:58:00 | 141.3 | 1968.14 | 15:59:00 | 141.3 | 1968.09 |
| 16:00:00 | 141.3 | 1967.93 | 16:01:00 | 141.2 | 1967.90 | 16:02:00 | 141.2 | 1967.84 |
| 16:03:00 | 141.3 | 1967.83 | 16:04:00 | 141.2 | 1967.73 | 16:05:00 | 141.2 | 1967.81 |
| 16:06:00 | 141.2 | 1967.71 | 16:07:00 | 141.2 | 1967.72 | 16:08:00 | 141.2 | 1967.68 |
| 16:09:00 | 141.3 | 1967.71 | 16:10:00 | 141.2 | 1967.67 | 16:11:00 | 141.2 | 1967.63 |
| 16:12:00 | 141.2 | 1967.60 | 16:13:00 | 141.2 | 1967.61 | 16:14:00 | 141.2 | 1967.63 |
| 16:15:00 | 141.2 | 1967.59 | 16:16:00 | 141.3 | 1967.57 | 16:17:00 | 141.2 | 1967.55 |
| 16:18:00 | 141.2 | 1967.56 | 16:19:00 | 141.2 | 1967.54 | 16:20:00 | 141.3 | 1967.53 |
| 16:21:00 | 141.3 | 1967.52 | 16:22:00 | 141.2 | 1967.57 | 16:23:00 | 141.2 | 1967.54 |
| 16:24:00 | 141.2 | 1967.57 | 16:25:00 | 141.3 | 1967.53 | 16:26:00 | 141.2 | 1967.50 |
| 16:27:00 | 141.2 | 1967.50 | 16:28:00 | 141.2 | 1967.50 | 16:29:00 | 141.3 | 1967.46 |
| 16:30:00 | 141.2 | 1967.48 | 16:31:00 | 141.2 | 1967.47 | 16:32:00 | 141.2 | 1967.43 |
| 16:33:00 | 141.2 | 1967.41 | 16:34:00 | 141.2 | 1967.38 | 16:35:00 | 141.2 | 1967.38 |
| 16:36:00 | 141.2 | 1967.47 | 16:37:00 | 141.2 | 1967.52 | 16:38:00 | 141.2 | 1967.34 |
| 16:39:00 | 141.2 | 1967.32 | 16:40:00 | 141.2 | 1967.27 | 16:41:00 | 141.2 | 1967.27 |
| 16:42:00 | 141.3 | 1967.31 | 16:43:00 | 141.2 | 1967.31 | 16:44:00 | 141.2 | 1967.29 |
| 16:45:00 | 141.2 | 1967.30 | 16:46:00 | 141.2 | 1967.27 | 16:47:00 | 141.3 | 1967.28 |
| 16:48:00 | 141.3 | 1967.26 | 16:49:00 | 141.2 | 1967.24 | 16:50:00 | 141.2 | 1967.24 |
| 16:51:00 | 141.2 | 1967.26 | 16:52:00 | 141.2 | 1967.26 | 16:53:00 | 141.2 | 1967.23 |
| 16:54:00 | 141.2 | 1967.22 | 16:55:00 | 141.2 | 1967.24 | 16:56:00 | 141.2 | 1967.21 |
| 16:57:00 | 141.2 | 1967.20 | 16:58:00 | 141.3 | 1967.20 | 16:59:00 | 141.2 | 1967.22 |
| 17:00:00 | 141.2 | 1967.16 | 17:01:00 | 141.3 | 1967.20 | 17:02:00 | 141.2 | 1967.16 |
| 17:03:00 | 141.2 | 1967.15 | 17:04:00 | 141.2 | 1967.13 | 17:05:00 | 141.2 | 1967.20 |
| 17:06:00 | 141.3 | 1967.39 | 17:07:00 | 141.2 | 1967.45 | 17:08:00 | 141.2 | 1967.06 |
| 17:09:00 | 141.2 | 1966.99 | 17:10:00 | 141.2 | 1966.97 | 17:11:00 | 141.2 | 1967.00 |
| 17:12:00 | 141.2 | 1966.98 | 17:13:00 | 141.3 | 1966.98 | 17:14:00 | 141.3 | 1966.98 |
| 17:15:00 | 141.2 | 1966.94 | 17:16:00 | 141.3 | 1966.96 | 17:17:00 | 141.2 | 1966.93 |
| 17:18:00 | 141.2 | 1966.91 | 17:19:00 | 141.3 | 1966.90 | 17:20:00 | 141.3 | 1966.87 |
| 17:21:00 | 141.2 | 1966.89 | 17:22:00 | 141.2 | 1966.87 | 17:23:00 | 141.2 | 1966.88 |
| 17:24:00 | 141.2 | 1966.88 | 17:25:00 | 141.3 | 1966.86 | 17:26:00 | 141.2 | 1966.86 |
| 17:27:00 | 141.2 | 1966.84 | 17:28:00 | 141.3 | 1966.84 | 17:29:00 | 141.2 | 1966.86 |
| 17:29:40 | 141.2 | 1966.85 | 17:29:50 | 141.3 | 1966.82 | 17:30:00 | 141.2 | 1966.82 |
| 17:30:10 | 141.2 | 1966.78 | 17:30:20 | 141.5 | 1982.09 | 17:30:30 | 141.7 | 1984.09 |
| 17:30:40 | 141.8 | 1984.55 | 17:30:50 | 141.8 | 1984.78 | 17:31:00 | 141.8 | 1984.96 |

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| Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   |
|----------|-------|---------|----------|-------|---------|----------|-------|---------|
| 17:31:10 | 141.9 | 1985.11 | 17:31:20 | 141.9 | 1985.24 | 17:31:30 | 141.8 | 1985.32 |
| 17:31:40 | 141.8 | 1985.42 | 17:31:50 | 141.7 | 1985.52 | 17:32:00 | 141.7 | 1985.62 |
| 17:32:10 | 141.7 | 1985.68 | 17:32:20 | 141.8 | 1985.76 | 17:32:30 | 141.7 | 1985.83 |
| 17:32:40 | 141.6 | 1985.88 | 17:32:50 | 141.6 | 1985.95 | 17:33:00 | 141.7 | 1986.01 |
| 17:33:10 | 141.7 | 1986.06 | 17:33:20 | 141.6 | 1986.09 | 17:33:30 | 141.6 | 1986.13 |
| 17:33:40 | 141.6 | 1986.16 | 17:33:50 | 141.6 | 1986.19 | 17:34:00 | 141.6 | 1986.22 |
| 17:34:10 | 141.6 | 1986.25 | 17:34:20 | 141.6 | 1986.27 | 17:34:30 | 141.6 | 1986.30 |
| 17:34:40 | 141.6 | 1986.32 | 17:34:50 | 141.6 | 1986.33 | 17:35:00 | 141.5 | 1986.35 |
| 17:35:10 | 141.6 | 1986.36 | 17:35:20 | 141.5 | 1986.38 | 17:35:30 | 141.6 | 1986.39 |
| 17:35:40 | 141.6 | 1986.41 | 17:35:50 | 141.6 | 1986.42 | 17:36:00 | 141.5 | 1986.41 |
| 17:36:10 | 141.6 | 1986.44 | 17:36:20 | 141.5 | 1986.43 | 17:36:30 | 141.5 | 1986.46 |
| 17:36:40 | 141.5 | 1986.47 | 17:36:50 | 141.5 | 1986.47 | 17:37:00 | 141.5 | 1986.49 |
| 17:37:10 | 141.4 | 1986.51 | 17:37:20 | 141.5 | 1986.50 | 17:37:30 | 141.5 | 1986.51 |
| 17:37:40 | 141.4 | 1986.52 | 17:37:50 | 141.5 | 1986.53 | 17:38:00 | 141.5 | 1986.53 |
| 17:38:10 | 141.4 | 1986.55 | 17:38:20 | 141.5 | 1986.55 | 17:38:30 | 141.5 | 1986.56 |
| 17:38:40 | 141.5 | 1986.56 | 17:38:50 | 141.5 | 1986.57 | 17:39:00 | 141.5 | 1986.57 |
| 17:39:10 | 141.5 | 1986.57 | 17:39:20 | 141.4 | 1986.57 | 17:39:30 | 141.5 | 1986.59 |
| 17:39:40 | 141.4 | 1986.59 | 17:39:50 | 141.4 | 1986.60 | 17:40:00 | 141.4 | 1986.60 |
| 17:40:30 | 141.5 | 1986.61 | 17:41:00 | 141.4 | 1986.63 | 17:41:30 | 141.4 | 1986.64 |
| 17:42:00 | 141.5 | 1986.65 | 17:42:30 | 141.4 | 1986.66 | 17:43:00 | 141.5 | 1986.67 |
| 17:43:30 | 141.5 | 1986.68 | 17:44:00 | 141.4 | 1986.69 | 17:44:30 | 141.4 | 1986.70 |
| 17:45:00 | 141.5 | 1986.70 | 17:45:30 | 141.4 | 1986.72 | 17:46:00 | 141.4 | 1986.72 |
| 17:46:30 | 141.5 | 1986.72 | 17:47:00 | 141.4 | 1986.72 | 17:47:30 | 141.4 | 1986.75 |
| 17:48:00 | 141.4 | 1986.75 | 17:48:30 | 141.5 | 1986.74 | 17:49:00 | 141.4 | 1986.75 |
| 17:49:30 | 141.4 | 1986.77 | 17:50:00 | 141.4 | 1986.75 | 17:50:30 | 141.4 | 1986.77 |
| 17:51:00 | 141.4 | 1986.77 | 17:51:30 | 141.4 | 1986.78 | 17:52:00 | 141.4 | 1986.79 |
| 17:52:30 | 141.4 | 1986.77 | 17:53:00 | 141.4 | 1986.79 | 17:53:30 | 141.4 | 1986.79 |
| 17:54:00 | 141.4 | 1986.79 | 17:54:30 | 141.4 | 1986.79 | 17:55:00 | 141.4 | 1986.79 |
| 17:56:00 | 141.4 | 1986.80 | 17:57:00 | 141.4 | 1986.80 | 17:58:00 | 141.3 | 1986.80 |
| 17:59:00 | 141.3 | 1986.82 | 18:00:00 | 141.3 | 1986.82 | 18:01:00 | 141.4 | 1986.82 |
| 18:02:00 | 141.4 | 1986.83 | 18:03:00 | 141.4 | 1986.83 | 18:04:00 | 141.4 | 1986.84 |
| 18:05:00 | 141.4 | 1986.85 | 18:06:00 | 141.3 | 1986.86 | 18:07:00 | 141.4 | 1986.85 |
| 18:08:00 | 141.4 | 1986.86 | 18:09:00 | 141.4 | 1986.86 | 18:10:00 | 141.4 | 1986.87 |
| 18:11:00 | 141.4 | 1986.88 | 18:12:00 | 141.4 | 1986.90 | 18:13:00 | 141.4 | 1986.89 |
| 18:14:00 | 141.4 | 1986.90 | 18:15:00 | 141.4 | 1986.90 | 18:16:00 | 141.3 | 1986.89 |
| 18:17:00 | 141.4 | 1986.90 | 18:18:00 | 141.3 | 1986.91 | 18:19:00 | 141.4 | 1986.92 |
| 18:20:00 | 141.3 | 1986.90 | 18:21:00 | 141.4 | 1986.92 | 18:22:00 | 141.4 | 1986.92 |
| 18:23:00 | 141.3 | 1986.91 | 18:24:00 | 141.3 | 1986.93 | 18:25:00 | 141.4 | 1986.94 |
| 18:26:00 | 141.4 | 1986.94 | 18:27:00 | 141.4 | 1986.94 | 18:28:00 | 141.4 | 1986.94 |
| 18:29:00 | 141.4 | 1986.95 | 18:30:00 | 141.4 | 1986.95 | 18:40:00 | 141.4 | 1986.98 |
| 18:50:00 | 141.4 | 1987.00 | 19:00:00 | 141.4 | 1987.02 | 19:10:00 | 141.4 | 1987.04 |
| 19:20:00 | 141.5 | 1987.05 | 19:30:00 | 141.4 | 1987.07 | 19:40:00 | 141.4 | 1987.08 |
| 19:50:00 | 141.4 | 1987.10 | 20:00:00 | 141.4 | 1987.10 | 20:10:00 | 141.4 | 1987.10 |
| 20:20:00 | 141.4 | 1987.10 | 20:30:00 | 141.4 | 1987.12 | 20:40:00 | 141.4 | 1987.12 |
| 20:50:00 | 141.4 | 1987.13 | 21:00:00 | 141.4 | 1987.13 | 21:10:00 | 141.3 | 1987.13 |
| 21:20:00 | 141.4 | 1987.15 | 21:30:00 | 141.4 | 1987.15 | 22:00:00 | 141.4 | 1987.17 |
| 22:30:00 | 141.3 | 1987.17 | 23:00:00 | 141.3 | 1987.17 | 23:30:00 | 141.4 | 1987.20 |
| 23:36:10 | 141.4 | 1987.19 | 23:36:20 | 141.4 | 1987.20 | 00:00:00 | 141.4 | 1987.21 |
| 00:30:00 | 141.4 | 1987.23 | 01:00:00 | 141.4 | 1987.23 | 01:30:00 | 141.4 | 1987.23 |
| 02:00:00 | 141.4 | 1987.23 | 02:30:00 | 141.4 | 1987.23 | 03:00:00 | 141.4 | 1987.26 |
| 03:30:00 | 141.3 | 1987.25 | 04:00:00 | 141.4 | 1987.25 | 04:30:00 | 141.4 | 1987.27 |
| 05:00:00 | 141.4 | 1987.27 | 05:30:00 | 141.4 | 1987.27 | 06:00:00 | 141.4 | 1987.29 |
| 06:30:00 | 141.4 | 1987.29 | 07:00:00 | 141.4 | 1987.29 | 07:30:00 | 141.4 | 1987.29 |
| 07:59:40 | 141.4 | 1987.30 | 07:59:50 | 141.4 | 1987.30 | 08:00:00 | 141.4 | 1987.31 |
| 08:00:10 | 141.4 | 1987.31 | 08:00:20 | 141.3 | 1987.09 | 08:00:30 | 141.3 | 1986.82 |
| 08:00:40 | 141.4 | 1986.75 | 08:00:50 | 141.4 | 1986.72 | 08:01:00 | 141.3 | 1986.25 |
| 08:01:10 | 141.4 | 1985.83 | 08:01:20 | 141.3 | 1985.80 | 08:01:30 | 141.3 | 1985.63 |
| 08:01:40 | 141.4 | 1982.54 | 08:01:50 | 141.3 | 1980.59 | 08:02:00 | 141.3 | 1977.94 |
| 08:02:10 | 141.2 | 1975.25 | 08:02:20 | 141.2 | 1971.50 | 08:02:30 | 141.2 | 1968.59 |
| 08:02:40 | 141.2 | 1964.50 | 08:02:50 | 141.2 | 1963.61 | 08:03:00 | 141.2 | 1963.67 |

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| Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   |
|----------|-------|---------|----------|-------|---------|----------|-------|---------|
| 08:03:10 | 141.3 | 1963.70 | 08:03:20 | 141.3 | 1963.40 | 08:03:30 | 141.3 | 1963.35 |
| 08:03:40 | 141.2 | 1963.20 | 08:03:50 | 141.3 | 1962.97 | 08:04:00 | 141.3 | 1962.83 |
| 08:04:10 | 141.2 | 1962.52 | 08:04:20 | 141.2 | 1962.30 | 08:04:30 | 141.2 | 1962.05 |
| 08:04:40 | 141.2 | 1961.68 | 08:04:50 | 141.2 | 1961.30 | 08:05:00 | 141.2 | 1960.92 |
| 08:05:10 | 141.2 | 1960.59 | 08:05:20 | 141.2 | 1960.19 | 08:05:30 | 141.2 | 1959.76 |
| 08:05:40 | 141.2 | 1959.33 | 08:05:50 | 141.2 | 1959.01 | 08:06:00 | 141.2 | 1958.61 |
| 08:06:10 | 141.1 | 1958.18 | 08:06:20 | 141.2 | 1957.88 | 08:06:30 | 141.1 | 1957.57 |
| 08:06:40 | 141.2 | 1957.35 | 08:06:50 | 141.1 | 1957.21 | 08:07:00 | 141.1 | 1957.00 |
| 08:07:10 | 141.1 | 1956.71 | 08:07:20 | 141.1 | 1956.41 | 08:07:30 | 141.1 | 1956.24 |
| 08:07:40 | 141.1 | 1956.13 | 08:07:50 | 141.1 | 1956.07 | 08:08:00 | 141.1 | 1956.04 |
| 08:08:10 | 141.1 | 1955.95 | 08:08:20 | 141.1 | 1955.93 | 08:08:30 | 141.1 | 1955.83 |
| 08:08:40 | 141.1 | 1955.76 | 08:08:50 | 141.1 | 1955.74 | 08:09:00 | 141.1 | 1955.69 |
| 08:09:10 | 141.1 | 1955.69 | 08:09:20 | 141.0 | 1955.63 | 08:09:30 | 141.1 | 1955.66 |
| 08:09:40 | 141.1 | 1955.98 | 08:09:50 | 141.0 | 1956.22 | 08:10:00 | 141.1 | 1956.38 |
| 08:10:30 | 141.0 | 1956.52 | 08:11:00 | 141.1 | 1956.53 | 08:11:30 | 141.1 | 1956.55 |
| 08:12:00 | 141.1 | 1956.34 | 08:12:30 | 141.1 | 1956.30 | 08:13:00 | 141.1 | 1956.28 |
| 08:13:30 | 141.1 | 1956.15 | 08:14:00 | 141.1 | 1956.16 | 08:14:30 | 141.1 | 1956.18 |
| 08:15:00 | 141.0 | 1956.17 | 08:15:30 | 141.0 | 1956.13 | 08:16:00 | 141.0 | 1956.16 |
| 08:16:30 | 141.0 | 1956.17 | 08:17:00 | 141.0 | 1956.18 | 08:17:30 | 141.1 | 1956.16 |
| 08:18:00 | 141.0 | 1956.20 | 08:18:30 | 141.1 | 1956.20 | 08:19:00 | 141.1 | 1956.15 |
| 08:19:30 | 141.0 | 1956.12 | 08:20:00 | 141.0 | 1956.07 | 08:21:00 | 141.0 | 1955.95 |
| 08:22:00 | 141.1 | 1955.76 | 08:23:00 | 141.0 | 1955.65 | 08:24:00 | 141.0 | 1955.48 |
| 08:25:00 | 141.0 | 1955.44 | 08:26:00 | 141.0 | 1955.35 | 08:27:00 | 140.9 | 1955.27 |
| 08:28:00 | 141.0 | 1955.20 | 08:29:00 | 141.0 | 1955.00 | 08:30:00 | 141.0 | 1954.80 |
| 08:31:00 | 141.0 | 1954.63 | 08:32:00 | 140.9 | 1954.47 | 08:33:00 | 140.9 | 1954.35 |
| 08:34:00 | 140.9 | 1954.34 | 08:35:00 | 141.0 | 1954.28 | 08:36:00 | 141.0 | 1954.22 |
| 08:37:00 | 140.9 | 1954.18 | 08:38:00 | 141.0 | 1954.15 | 08:39:00 | 140.9 | 1954.10 |
| 08:40:00 | 140.9 | 1954.06 | 08:41:00 | 141.0 | 1954.05 | 08:42:00 | 140.9 | 1954.03 |
| 08:43:00 | 141.0 | 1954.01 | 08:44:00 | 140.9 | 1953.99 | 08:45:00 | 141.0 | 1953.96 |
| 08:46:00 | 140.9 | 1953.93 | 08:47:00 | 140.9 | 1953.93 | 08:48:00 | 140.9 | 1953.93 |
| 08:49:00 | 141.0 | 1953.92 | 08:50:00 | 140.9 | 1953.93 | 08:51:00 | 140.9 | 1953.97 |
| 08:52:00 | 141.0 | 1953.97 | 08:53:00 | 140.9 | 1953.99 | 08:54:00 | 141.0 | 1954.00 |
| 08:55:00 | 141.0 | 1953.98 | 08:56:00 | 141.0 | 1953.97 | 08:57:00 | 141.0 | 1953.97 |
| 08:58:00 | 140.9 | 1953.97 | 08:59:00 | 141.0 | 1953.96 | 09:00:00 | 141.0 | 1953.96 |
| 09:01:00 | 140.9 | 1953.93 | 09:02:00 | 141.0 | 1953.94 | 09:03:00 | 141.0 | 1953.91 |
| 09:04:00 | 141.0 | 1953.88 | 09:05:00 | 140.9 | 1953.87 | 09:06:00 | 140.9 | 1953.87 |
| 09:07:00 | 141.0 | 1953.84 | 09:08:00 | 140.9 | 1953.83 | 09:09:00 | 141.0 | 1953.82 |
| 09:10:00 | 141.0 | 1953.82 | 09:11:00 | 140.9 | 1953.79 | 09:12:00 | 140.9 | 1953.77 |
| 09:13:00 | 141.0 | 1953.76 | 09:14:00 | 140.9 | 1953.71 | 09:15:00 | 141.0 | 1953.70 |
| 09:16:00 | 141.0 | 1953.72 | 09:17:00 | 141.0 | 1953.65 | 09:18:00 | 141.0 | 1953.61 |
| 09:19:00 | 140.9 | 1953.57 | 09:20:00 | 140.9 | 1953.56 | 09:21:00 | 141.0 | 1953.53 |
| 09:22:00 | 141.0 | 1953.49 | 09:23:00 | 141.0 | 1953.48 | 09:24:00 | 140.9 | 1953.42 |
| 09:25:00 | 140.9 | 1953.42 | 09:26:00 | 141.0 | 1953.40 | 09:27:00 | 140.9 | 1953.39 |
| 09:28:00 | 140.9 | 1953.35 | 09:29:00 | 140.9 | 1953.34 | 09:30:00 | 141.0 | 1953.32 |
| 09:31:00 | 140.9 | 1953.30 | 09:32:00 | 140.9 | 1953.29 | 09:33:00 | 141.0 | 1953.28 |
| 09:34:00 | 140.9 | 1953.25 | 09:35:00 | 140.9 | 1953.25 | 09:36:00 | 141.0 | 1953.24 |
| 09:37:00 | 140.9 | 1953.24 | 09:38:00 | 140.9 | 1953.21 | 09:39:00 | 141.0 | 1953.24 |
| 09:40:00 | 140.9 | 1953.23 | 09:41:00 | 141.0 | 1953.23 | 09:42:00 | 140.9 | 1953.23 |
| 09:43:00 | 141.0 | 1953.23 | 09:44:00 | 140.9 | 1953.23 | 09:45:00 | 140.9 | 1953.24 |
| 09:46:00 | 140.9 | 1953.25 | 09:47:00 | 140.9 | 1953.23 | 09:48:00 | 140.9 | 1953.23 |
| 09:49:00 | 141.0 | 1953.22 | 09:50:00 | 140.9 | 1953.21 | 09:51:00 | 141.0 | 1953.20 |
| 09:52:00 | 141.0 | 1953.22 | 09:53:00 | 141.0 | 1953.22 | 09:54:00 | 140.9 | 1953.23 |
| 09:55:00 | 141.0 | 1953.22 | 09:56:00 | 141.0 | 1953.22 | 09:57:00 | 140.9 | 1953.19 |
| 09:58:00 | 140.9 | 1953.21 | 09:59:00 | 140.9 | 1953.21 | 10:00:00 | 141.0 | 1953.22 |
| 10:01:00 | 141.0 | 1953.22 | 10:02:00 | 141.0 | 1953.23 | 10:03:00 | 141.0 | 1953.22 |
| 10:04:00 | 140.9 | 1953.20 | 10:05:00 | 141.0 | 1953.21 | 10:06:00 | 140.9 | 1953.22 |
| 10:07:00 | 141.0 | 1953.22 | 10:08:00 | 141.0 | 1953.24 | 10:09:00 | 141.0 | 1953.24 |
| 10:10:00 | 141.0 | 1953.25 | 10:11:00 | 140.9 | 1953.21 | 10:12:00 | 141.0 | 1953.22 |
| 10:13:00 | 140.9 | 1953.19 | 10:14:00 | 141.0 | 1953.02 | 10:15:00 | 141.0 | 1952.44 |
| 10:16:00 | 141.0 | 1952.40 | 10:17:00 | 141.0 | 1952.38 | 10:18:00 | 140.9 | 1952.38 |

Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

| Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   |
|----------|-------|---------|----------|-------|---------|----------|-------|---------|
| 10:19:00 | 140.9 | 1952.40 | 10:20:00 | 141.0 | 1952.40 | 10:21:00 | 140.9 | 1952.40 |
| 10:22:00 | 140.9 | 1952.39 | 10:23:00 | 140.9 | 1952.40 | 10:24:00 | 141.0 | 1952.39 |
| 10:25:00 | 140.9 | 1952.38 | 10:26:00 | 141.0 | 1952.40 | 10:27:00 | 141.0 | 1952.64 |
| 10:28:00 | 141.0 | 1952.68 | 10:29:00 | 140.9 | 1952.67 | 10:30:00 | 141.0 | 1952.66 |
| 10:31:00 | 141.0 | 1952.65 | 10:32:00 | 140.9 | 1952.62 | 10:33:00 | 141.0 | 1952.63 |
| 10:34:00 | 140.9 | 1952.63 | 10:35:00 | 141.0 | 1952.63 | 10:36:00 | 140.9 | 1952.63 |
| 10:37:00 | 140.9 | 1952.62 | 10:38:00 | 141.0 | 1952.62 | 10:39:00 | 141.0 | 1952.66 |
| 10:40:00 | 140.9 | 1952.60 | 10:41:00 | 140.9 | 1952.59 | 10:42:00 | 141.0 | 1952.60 |
| 10:43:00 | 141.0 | 1952.58 | 10:44:00 | 141.0 | 1952.56 | 10:45:00 | 141.0 | 1952.56 |
| 10:46:00 | 140.9 | 1952.55 | 10:47:00 | 141.0 | 1952.61 | 10:48:00 | 140.9 | 1952.57 |
| 10:49:00 | 141.0 | 1952.54 | 10:50:00 | 140.9 | 1952.49 | 10:51:00 | 140.9 | 1952.53 |
| 10:52:00 | 141.0 | 1952.54 | 10:53:00 | 140.9 | 1952.55 | 10:54:00 | 140.9 | 1952.56 |
| 10:55:00 | 140.9 | 1952.55 | 10:56:00 | 141.0 | 1952.50 | 10:57:00 | 141.0 | 1952.49 |
| 10:58:00 | 140.9 | 1952.45 | 10:59:00 | 140.9 | 1952.40 | 10:59:40 | 141.0 | 1952.40 |
| 10:59:50 | 141.0 | 1952.39 | 11:00:00 | 140.9 | 1952.38 | 11:00:10 | 140.9 | 1952.39 |
| 11:00:20 | 141.2 | 1966.35 | 11:00:30 | 141.6 | 1980.99 | 11:00:40 | 141.7 | 1982.54 |
| 11:00:50 | 141.7 | 1983.16 | 11:01:00 | 141.7 | 1983.57 | 11:01:10 | 141.7 | 1983.91 |
| 11:01:20 | 141.7 | 1984.18 | 11:01:30 | 141.6 | 1984.39 | 11:01:40 | 141.6 | 1984.56 |
| 11:01:50 | 141.6 | 1984.72 | 11:02:00 | 141.6 | 1984.85 | 11:02:10 | 141.5 | 1984.96 |
| 11:02:20 | 141.6 | 1985.06 | 11:02:30 | 141.5 | 1985.15 | 11:02:40 | 141.5 | 1985.21 |
| 11:02:50 | 141.5 | 1985.29 | 11:03:00 | 141.5 | 1985.35 | 11:03:10 | 141.4 | 1985.41 |
| 11:03:20 | 141.4 | 1985.46 | 11:03:30 | 141.4 | 1985.52 | 11:03:40 | 141.4 | 1985.55 |
| 11:03:50 | 141.4 | 1985.59 | 11:04:00 | 141.4 | 1985.64 | 11:04:10 | 141.5 | 1985.66 |
| 11:04:20 | 141.4 | 1985.70 | 11:04:30 | 141.4 | 1985.72 | 11:04:40 | 141.4 | 1985.76 |
| 11:04:50 | 141.4 | 1985.77 | 11:05:00 | 141.4 | 1985.80 | 11:05:10 | 141.4 | 1985.83 |
| 11:05:20 | 141.4 | 1985.83 | 11:05:30 | 141.4 | 1985.86 | 11:05:40 | 141.4 | 1985.87 |
| 11:05:50 | 141.3 | 1985.89 | 11:06:00 | 141.4 | 1985.91 | 11:06:10 | 141.3 | 1985.91 |
| 11:06:20 | 141.4 | 1985.94 | 11:06:30 | 141.3 | 1985.94 | 11:06:40 | 141.3 | 1985.96 |
| 11:06:50 | 141.4 | 1985.99 | 11:07:00 | 141.3 | 1985.98 | 11:07:10 | 141.4 | 1986.00 |
| 11:07:20 | 141.3 | 1986.00 | 11:07:30 | 141.4 | 1986.03 | 11:07:40 | 141.3 | 1986.02 |
| 11:07:50 | 141.3 | 1986.05 | 11:08:00 | 141.3 | 1986.04 | 11:08:10 | 141.3 | 1986.06 |
| 11:08:20 | 141.3 | 1986.08 | 11:08:30 | 141.3 | 1986.08 | 11:08:40 | 141.3 | 1986.10 |
| 11:08:50 | 141.3 | 1986.10 | 11:09:00 | 141.3 | 1986.11 | 11:09:10 | 141.3 | 1986.12 |
| 11:09:20 | 141.3 | 1986.12 | 11:09:30 | 141.3 | 1986.12 | 11:09:40 | 141.2 | 1986.13 |
| 11:09:50 | 141.3 | 1986.14 | 11:10:00 | 141.3 | 1986.15 | 11:10:30 | 141.2 | 1986.15 |
| 11:11:00 | 141.3 | 1986.18 | 11:11:30 | 141.3 | 1986.21 | 11:12:00 | 141.3 | 1986.22 |
| 11:12:30 | 141.2 | 1986.22 | 11:13:00 | 141.2 | 1986.24 | 11:13:30 | 141.3 | 1986.26 |
| 11:14:00 | 141.2 | 1986.27 | 11:14:30 | 141.3 | 1986.27 | 11:15:00 | 141.2 | 1986.28 |
| 11:15:30 | 141.3 | 1986.30 | 11:16:00 | 141.3 | 1986.31 | 11:16:30 | 141.3 | 1986.32 |
| 11:17:00 | 141.3 | 1986.33 | 11:17:30 | 141.2 | 1986.32 | 11:18:00 | 141.2 | 1986.34 |
| 11:18:30 | 141.2 | 1986.33 | 11:19:00 | 141.2 | 1986.34 | 11:19:30 | 141.3 | 1986.35 |
| 11:20:00 | 141.2 | 1986.36 | 11:21:00 | 141.2 | 1986.38 | 11:22:00 | 141.3 | 1986.39 |
| 11:23:00 | 141.2 | 1986.40 | 11:24:00 | 141.2 | 1986.41 | 11:25:00 | 141.2 | 1986.42 |
| 11:26:00 | 141.2 | 1986.42 | 11:27:00 | 141.2 | 1986.44 | 11:28:00 | 141.2 | 1986.44 |
| 11:29:00 | 141.2 | 1986.46 | 11:30:00 | 141.2 | 1986.47 | 11:40:00 | 141.3 | 1986.55 |
| 11:50:00 | 141.2 | 1986.60 | 12:00:00 | 141.2 | 1986.65 | 12:10:00 | 141.2 | 1986.71 |
| 12:20:00 | 141.2 | 1986.73 | 12:30:00 | 141.3 | 1986.78 | 12:40:00 | 141.3 | 1986.80 |
| 12:50:00 | 141.3 | 1986.83 | 13:00:00 | 141.2 | 1986.83 | 13:10:00 | 141.3 | 1986.85 |
| 13:20:00 | 141.3 | 1986.88 | 13:30:00 | 141.3 | 1986.88 | 13:40:00 | 141.3 | 1986.89 |
| 13:50:00 | 141.3 | 1986.90 | 13:59:50 | 141.2 | 1986.91 | 14:00:00 | 141.3 | 1986.92 |
| 14:00:10 | 141.3 | 1986.91 | 14:00:20 | 141.3 | 1986.91 | 14:00:30 | 141.3 | 1985.98 |
| 14:00:40 | 141.3 | 1986.22 | 14:00:50 | 141.3 | 1984.95 | 14:01:00 | 141.2 | 1983.44 |
| 14:01:10 | 141.2 | 1980.89 | 14:01:20 | 141.2 | 1975.74 | 14:01:30 | 141.1 | 1970.14 |
| 14:01:40 | 141.1 | 1963.27 | 14:01:50 | 141.0 | 1955.33 | 14:02:00 | 140.9 | 1949.93 |
| 14:02:10 | 141.0 | 1946.41 | 14:02:20 | 140.9 | 1944.00 | 14:02:30 | 140.9 | 1942.29 |
| 14:02:40 | 140.9 | 1941.04 | 14:02:50 | 140.9 | 1940.10 | 14:03:00 | 140.9 | 1939.60 |
| 14:03:10 | 140.9 | 1939.41 | 14:03:20 | 140.8 | 1939.26 | 14:03:30 | 140.8 | 1939.13 |
| 14:03:40 | 140.8 | 1938.99 | 14:03:50 | 140.8 | 1938.86 | 14:04:00 | 140.7 | 1938.78 |
| 14:04:10 | 140.8 | 1938.66 | 14:04:20 | 140.8 | 1938.58 | 14:04:30 | 140.8 | 1938.53 |
| 14:04:40 | 140.8 | 1938.50 | 14:04:50 | 140.7 | 1938.43 | 14:05:00 | 140.8 | 1938.48 |

Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

| Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   |
|----------|-------|---------|----------|-------|---------|----------|-------|---------|
| 14:05:10 | 140.7 | 1938.48 | 14:05:20 | 140.7 | 1938.51 | 14:05:30 | 140.7 | 1938.49 |
| 14:05:40 | 140.7 | 1938.49 | 14:05:50 | 140.7 | 1938.49 | 14:06:00 | 140.7 | 1938.48 |
| 14:06:10 | 140.6 | 1938.48 | 14:06:20 | 140.7 | 1938.46 | 14:06:30 | 140.7 | 1938.53 |
| 14:06:40 | 140.7 | 1938.52 | 14:06:50 | 140.7 | 1938.53 | 14:07:00 | 140.7 | 1938.53 |
| 14:07:10 | 140.7 | 1938.52 | 14:07:20 | 140.7 | 1938.55 | 14:07:30 | 140.7 | 1938.55 |
| 14:07:40 | 140.7 | 1938.39 | 14:07:50 | 140.7 | 1938.15 | 14:08:00 | 140.7 | 1937.98 |
| 14:08:10 | 140.6 | 1937.89 | 14:08:20 | 140.6 | 1937.80 | 14:08:30 | 140.7 | 1937.75 |
| 14:08:40 | 140.7 | 1937.74 | 14:08:50 | 140.7 | 1937.75 | 14:09:00 | 140.6 | 1937.73 |
| 14:09:10 | 140.6 | 1937.73 | 14:09:20 | 140.6 | 1937.71 | 14:09:30 | 140.6 | 1937.70 |
| 14:09:40 | 140.7 | 1937.71 | 14:09:50 | 140.6 | 1937.71 | 14:10:00 | 140.6 | 1937.69 |
| 14:10:30 | 140.6 | 1937.73 | 14:11:00 | 140.6 | 1937.75 | 14:11:30 | 140.6 | 1937.81 |
| 14:12:00 | 140.6 | 1937.82 | 14:12:30 | 140.7 | 1937.83 | 14:13:00 | 140.6 | 1937.82 |
| 14:13:30 | 140.7 | 1937.82 | 14:14:00 | 140.6 | 1937.82 | 14:14:30 | 140.6 | 1937.81 |
| 14:15:00 | 140.7 | 1937.86 | 14:15:30 | 140.6 | 1937.65 | 14:16:00 | 140.6 | 1937.63 |
| 14:16:30 | 140.7 | 1937.58 | 14:17:00 | 140.6 | 1937.55 | 14:17:30 | 140.7 | 1937.52 |
| 14:18:00 | 140.6 | 1937.53 | 14:18:30 | 140.6 | 1937.51 | 14:19:00 | 140.7 | 1937.52 |
| 14:19:30 | 140.6 | 1937.49 | 14:20:00 | 140.6 | 1937.49 | 14:21:00 | 140.6 | 1937.50 |
| 14:22:00 | 140.6 | 1937.53 | 14:23:00 | 140.6 | 1937.54 | 14:24:00 | 140.6 | 1937.51 |
| 14:25:00 | 140.6 | 1937.55 | 14:26:00 | 140.7 | 1937.60 | 14:27:00 | 140.6 | 1937.57 |
| 14:28:00 | 140.6 | 1937.56 | 14:29:00 | 140.6 | 1937.53 | 14:30:00 | 140.6 | 1937.57 |
| 14:31:00 | 140.6 | 1937.55 | 14:32:00 | 140.7 | 1937.53 | 14:33:00 | 140.7 | 1937.54 |
| 14:34:00 | 140.6 | 1937.52 | 14:35:00 | 140.6 | 1937.52 | 14:36:00 | 140.6 | 1937.45 |
| 14:37:00 | 140.6 | 1937.47 | 14:38:00 | 140.6 | 1937.39 | 14:39:00 | 140.6 | 1937.37 |
| 14:40:00 | 140.6 | 1937.34 | 14:41:00 | 140.6 | 1937.30 | 14:42:00 | 140.6 | 1937.31 |
| 14:43:00 | 140.6 | 1937.30 | 14:44:00 | 140.6 | 1937.28 | 14:45:00 | 140.6 | 1937.29 |
| 14:46:00 | 140.6 | 1937.28 | 14:47:00 | 140.6 | 1937.30 | 14:48:00 | 140.6 | 1937.30 |
| 14:49:00 | 140.6 | 1937.31 | 14:50:00 | 140.6 | 1937.30 | 14:51:00 | 140.6 | 1937.32 |
| 14:52:00 | 140.6 | 1937.32 | 14:53:00 | 140.6 | 1937.36 | 14:54:00 | 140.6 | 1937.33 |
| 14:55:00 | 140.6 | 1937.31 | 14:56:00 | 140.6 | 1937.32 | 14:57:00 | 140.7 | 1937.36 |
| 14:58:00 | 140.7 | 1937.38 | 14:59:00 | 140.6 | 1937.40 | 15:00:00 | 140.7 | 1937.40 |
| 15:01:00 | 140.6 | 1937.42 | 15:02:00 | 140.6 | 1937.43 | 15:03:00 | 140.7 | 1937.43 |
| 15:04:00 | 140.6 | 1937.43 | 15:05:00 | 140.6 | 1937.43 | 15:06:00 | 140.6 | 1937.45 |
| 15:07:00 | 140.6 | 1937.49 | 15:08:00 | 140.7 | 1937.50 | 15:09:00 | 140.6 | 1937.49 |
| 15:10:00 | 140.6 | 1937.47 | 15:11:00 | 140.6 | 1937.51 | 15:12:00 | 140.6 | 1937.53 |
| 15:13:00 | 140.6 | 1937.52 | 15:14:00 | 140.6 | 1937.53 | 15:15:00 | 140.6 | 1937.53 |
| 15:16:00 | 140.6 | 1937.55 | 15:17:00 | 140.7 | 1937.58 | 15:18:00 | 140.6 | 1937.57 |
| 15:19:00 | 140.7 | 1937.61 | 15:20:00 | 140.6 | 1937.61 | 15:21:00 | 140.6 | 1937.63 |
| 15:22:00 | 140.6 | 1937.65 | 15:23:00 | 140.6 | 1937.65 | 15:24:00 | 140.6 | 1937.65 |
| 15:25:00 | 140.6 | 1933.96 | 15:26:00 | 140.5 | 1933.84 | 15:27:00 | 140.5 | 1933.82 |
| 15:28:00 | 140.5 | 1933.83 | 15:29:00 | 140.6 | 1933.89 | 15:30:00 | 140.5 | 1933.91 |
| 15:31:00 | 140.6 | 1933.91 | 15:32:00 | 140.5 | 1933.94 | 15:33:00 | 140.6 | 1933.96 |
| 15:34:00 | 140.5 | 1933.99 | 15:35:00 | 140.5 | 1933.98 | 15:36:00 | 140.5 | 1934.02 |
| 15:37:00 | 140.6 | 1934.04 | 15:38:00 | 140.5 | 1934.03 | 15:39:00 | 140.5 | 1934.02 |
| 15:40:00 | 140.5 | 1934.08 | 15:41:00 | 140.5 | 1934.13 | 15:42:00 | 140.5 | 1934.13 |
| 15:43:00 | 140.6 | 1934.20 | 15:44:00 | 140.6 | 1934.19 | 15:45:00 | 140.5 | 1934.23 |
| 15:46:00 | 140.5 | 1934.23 | 15:47:00 | 140.5 | 1934.25 | 15:48:00 | 140.6 | 1934.28 |
| 15:49:00 | 140.5 | 1934.25 | 15:50:00 | 140.5 | 1934.21 | 15:51:00 | 140.5 | 1934.27 |
| 15:52:00 | 140.6 | 1934.40 | 15:53:00 | 140.5 | 1934.42 | 15:54:00 | 140.6 | 1934.44 |
| 15:55:00 | 140.6 | 1934.47 | 15:56:00 | 140.5 | 1934.47 | 15:57:00 | 140.5 | 1934.48 |
| 15:58:00 | 140.6 | 1934.49 | 15:59:00 | 140.5 | 1934.51 | 16:00:00 | 140.5 | 1934.50 |
| 16:01:00 | 140.6 | 1934.55 | 16:02:00 | 140.6 | 1934.56 | 16:03:00 | 140.6 | 1934.56 |
| 16:04:00 | 140.6 | 1934.57 | 16:05:00 | 140.5 | 1934.58 | 16:06:00 | 140.5 | 1934.58 |
| 16:07:00 | 140.6 | 1934.58 | 16:08:00 | 140.6 | 1934.59 | 16:09:00 | 140.6 | 1934.59 |
| 16:10:00 | 140.5 | 1934.58 | 16:11:00 | 140.6 | 1934.61 | 16:12:00 | 140.6 | 1934.64 |
| 16:13:00 | 140.6 | 1934.62 | 16:14:00 | 140.6 | 1934.66 | 16:15:00 | 140.5 | 1934.66 |
| 16:16:00 | 140.6 | 1934.66 | 16:17:00 | 140.5 | 1934.69 | 16:18:00 | 140.5 | 1934.69 |
| 16:19:00 | 140.6 | 1934.71 | 16:20:00 | 140.6 | 1934.68 | 16:21:00 | 140.5 | 1934.70 |
| 16:22:00 | 140.6 | 1934.72 | 16:23:00 | 140.5 | 1934.69 | 16:24:00 | 140.6 | 1934.74 |
| 16:25:00 | 140.5 | 1934.73 | 16:26:00 | 140.5 | 1934.74 | 16:27:00 | 140.6 | 1934.75 |
| 16:28:00 | 140.6 | 1934.76 | 16:29:00 | 140.6 | 1934.77 | 16:30:00 | 140.6 | 1934.76 |



Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

| Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   |
|----------|-------|---------|----------|-------|---------|----------|-------|---------|
| 16:31:00 | 140.6 | 1934.77 | 16:32:00 | 140.5 | 1934.78 | 16:33:00 | 140.5 | 1934.79 |
| 16:34:00 | 140.6 | 1934.80 | 16:35:00 | 140.5 | 1934.80 | 16:36:00 | 140.6 | 1934.84 |
| 16:37:00 | 140.6 | 1934.85 | 16:38:00 | 140.5 | 1934.85 | 16:39:00 | 140.6 | 1934.87 |
| 16:40:00 | 140.6 | 1934.86 | 16:41:00 | 140.6 | 1934.88 | 16:42:00 | 140.6 | 1934.86 |
| 16:43:00 | 140.6 | 1934.90 | 16:44:00 | 140.6 | 1934.89 | 16:45:00 | 140.6 | 1934.90 |
| 16:46:00 | 140.6 | 1934.88 | 16:47:00 | 140.6 | 1934.90 | 16:48:00 | 140.5 | 1934.89 |
| 16:49:00 | 140.6 | 1934.90 | 16:50:00 | 140.6 | 1934.90 | 16:51:00 | 140.6 | 1934.91 |
| 16:52:00 | 140.6 | 1934.91 | 16:53:00 | 140.5 | 1934.91 | 16:54:00 | 140.6 | 1934.92 |
| 16:55:00 | 140.6 | 1934.93 | 16:56:00 | 140.6 | 1934.93 | 16:57:00 | 140.5 | 1934.95 |
| 16:58:00 | 140.5 | 1934.95 | 16:59:00 | 140.6 | 1934.96 | 16:59:40 | 140.5 | 1934.96 |
| 16:59:50 | 140.5 | 1934.96 | 17:00:00 | 140.5 | 1934.97 | 17:00:10 | 140.6 | 1934.97 |
| 17:00:20 | 140.6 | 1934.98 | 17:00:30 | 140.7 | 1942.49 | 17:00:40 | 141.2 | 1970.51 |
| 17:00:50 | 141.4 | 1979.57 | 17:01:00 | 141.5 | 1980.78 | 17:01:10 | 141.4 | 1981.59 |
| 17:01:20 | 141.4 | 1982.19 | 17:01:30 | 141.4 | 1982.62 | 17:01:40 | 141.4 | 1982.97 |
| 17:01:50 | 141.3 | 1983.23 | 17:02:00 | 141.3 | 1983.47 | 17:02:10 | 141.3 | 1983.65 |
| 17:02:20 | 141.3 | 1983.79 | 17:02:30 | 141.2 | 1983.92 | 17:02:40 | 141.2 | 1984.02 |
| 17:02:50 | 141.2 | 1984.12 | 17:03:00 | 141.2 | 1984.21 | 17:03:10 | 141.2 | 1984.31 |
| 17:03:20 | 141.2 | 1984.37 | 17:03:30 | 141.2 | 1984.44 | 17:03:40 | 141.2 | 1984.50 |
| 17:03:50 | 141.1 | 1984.55 | 17:04:00 | 141.1 | 1984.61 | 17:04:10 | 141.1 | 1984.65 |
| 17:04:20 | 141.1 | 1984.71 | 17:04:30 | 141.2 | 1984.76 | 17:04:40 | 141.2 | 1984.82 |
| 17:04:50 | 141.1 | 1984.84 | 17:05:00 | 141.1 | 1984.87 | 17:05:10 | 141.1 | 1984.90 |
| 17:05:20 | 141.1 | 1984.94 | 17:05:30 | 141.1 | 1984.97 | 17:05:40 | 141.1 | 1984.99 |
| 17:05:50 | 141.0 | 1985.03 | 17:06:00 | 141.0 | 1985.05 | 17:06:10 | 141.1 | 1985.07 |
| 17:06:20 | 141.1 | 1985.09 | 17:06:30 | 141.0 | 1985.11 | 17:06:40 | 141.1 | 1985.13 |
| 17:06:50 | 141.1 | 1985.15 | 17:07:00 | 141.1 | 1985.17 | 17:07:10 | 141.1 | 1985.19 |
| 17:07:20 | 141.0 | 1985.21 | 17:07:30 | 141.1 | 1985.22 | 17:07:40 | 141.0 | 1985.23 |
| 17:07:50 | 141.1 | 1985.24 | 17:08:00 | 141.0 | 1985.27 | 17:08:10 | 141.1 | 1985.27 |
| 17:08:20 | 141.0 | 1985.28 | 17:08:30 | 141.1 | 1985.30 | 17:08:40 | 141.0 | 1985.31 |
| 17:08:50 | 141.0 | 1985.32 | 17:09:00 | 141.0 | 1985.33 | 17:09:10 | 141.0 | 1985.34 |
| 17:09:20 | 141.0 | 1985.36 | 17:09:30 | 141.0 | 1985.37 | 17:09:40 | 141.0 | 1985.38 |
| 17:09:50 | 141.0 | 1985.39 | 17:10:00 | 141.0 | 1985.40 | 17:10:30 | 141.1 | 1985.41 |
| 17:11:00 | 141.0 | 1985.44 | 17:11:30 | 141.1 | 1985.46 | 17:12:00 | 141.0 | 1985.48 |
| 17:12:30 | 141.0 | 1985.49 | 17:13:00 | 141.0 | 1985.52 | 17:13:30 | 141.0 | 1985.54 |
| 17:14:00 | 141.0 | 1985.56 | 17:14:30 | 141.0 | 1985.56 | 17:15:00 | 141.0 | 1985.57 |
| 17:15:30 | 141.0 | 1985.60 | 17:16:00 | 141.0 | 1985.60 | 17:16:30 | 141.0 | 1985.62 |
| 17:17:00 | 141.0 | 1985.63 | 17:17:30 | 141.0 | 1985.64 | 17:18:00 | 141.0 | 1985.64 |
| 17:18:30 | 141.0 | 1985.66 | 17:19:00 | 141.0 | 1985.68 | 17:19:30 | 140.9 | 1985.67 |
| 17:20:00 | 141.0 | 1985.70 | 17:21:00 | 141.0 | 1985.70 | 17:22:00 | 140.9 | 1985.71 |
| 17:23:00 | 141.0 | 1985.74 | 17:24:00 | 140.9 | 1985.74 | 17:25:00 | 141.0 | 1985.77 |
| 17:26:00 | 141.0 | 1985.78 | 17:27:00 | 141.0 | 1985.81 | 17:28:00 | 141.0 | 1985.80 |
| 17:29:00 | 141.0 | 1985.82 | 17:30:00 | 141.0 | 1985.83 | 17:31:00 | 140.9 | 1985.83 |
| 17:32:00 | 141.0 | 1985.86 | 17:33:00 | 141.0 | 1985.87 | 17:34:00 | 141.0 | 1985.88 |
| 17:35:00 | 141.0 | 1985.88 | 17:36:00 | 141.0 | 1985.89 | 17:37:00 | 141.0 | 1985.91 |
| 17:38:00 | 141.0 | 1985.92 | 17:39:00 | 141.0 | 1985.93 | 17:40:00 | 141.0 | 1985.94 |
| 17:41:00 | 141.0 | 1985.95 | 17:42:00 | 141.0 | 1985.95 | 17:43:00 | 141.0 | 1985.95 |
| 17:44:00 | 141.0 | 1985.97 | 17:45:00 | 141.0 | 1985.99 | 17:46:00 | 141.1 | 1985.99 |
| 17:47:00 | 141.0 | 1985.99 | 17:48:00 | 141.0 | 1986.01 | 17:49:00 | 141.0 | 1986.01 |
| 17:50:00 | 141.0 | 1986.02 | 17:51:00 | 141.0 | 1986.03 | 17:52:00 | 141.1 | 1986.03 |
| 17:53:00 | 141.0 | 1986.05 | 17:54:00 | 141.1 | 1986.04 | 17:55:00 | 141.0 | 1986.05 |
| 17:56:00 | 141.0 | 1986.06 | 17:57:00 | 141.0 | 1986.06 | 17:58:00 | 141.1 | 1986.06 |
| 17:59:00 | 141.0 | 1986.07 | 18:00:00 | 141.1 | 1986.08 | 18:10:00 | 141.0 | 1986.14 |
| 18:20:00 | 141.1 | 1986.18 | 18:30:00 | 141.1 | 1986.23 | 18:40:00 | 141.1 | 1986.27 |
| 18:50:00 | 141.1 | 1986.30 | 19:00:00 | 141.1 | 1986.33 | 19:10:00 | 141.1 | 1986.33 |
| 19:20:00 | 141.1 | 1986.35 | 19:30:00 | 141.1 | 1986.38 | 19:40:00 | 141.2 | 1986.40 |
| 19:50:00 | 141.1 | 1986.42 | 20:00:00 | 141.2 | 1986.44 | 20:10:00 | 141.2 | 1986.47 |
| 20:20:00 | 141.2 | 1986.46 | 20:30:00 | 141.2 | 1986.48 | 20:40:00 | 141.2 | 1986.51 |
| 20:50:00 | 141.2 | 1986.51 | 21:00:00 | 141.2 | 1986.54 | 21:10:00 | 141.2 | 1986.54 |
| 21:20:00 | 141.3 | 1986.55 | 21:30:00 | 141.2 | 1986.56 | 21:40:00 | 141.2 | 1986.57 |
| 21:50:00 | 141.2 | 1986.58 | 22:00:00 | 141.3 | 1986.58 | 22:10:00 | 141.3 | 1986.60 |
| 22:20:00 | 141.3 | 1986.61 | 22:30:00 | 141.2 | 1986.61 | 22:40:00 | 141.2 | 1986.61 |

Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

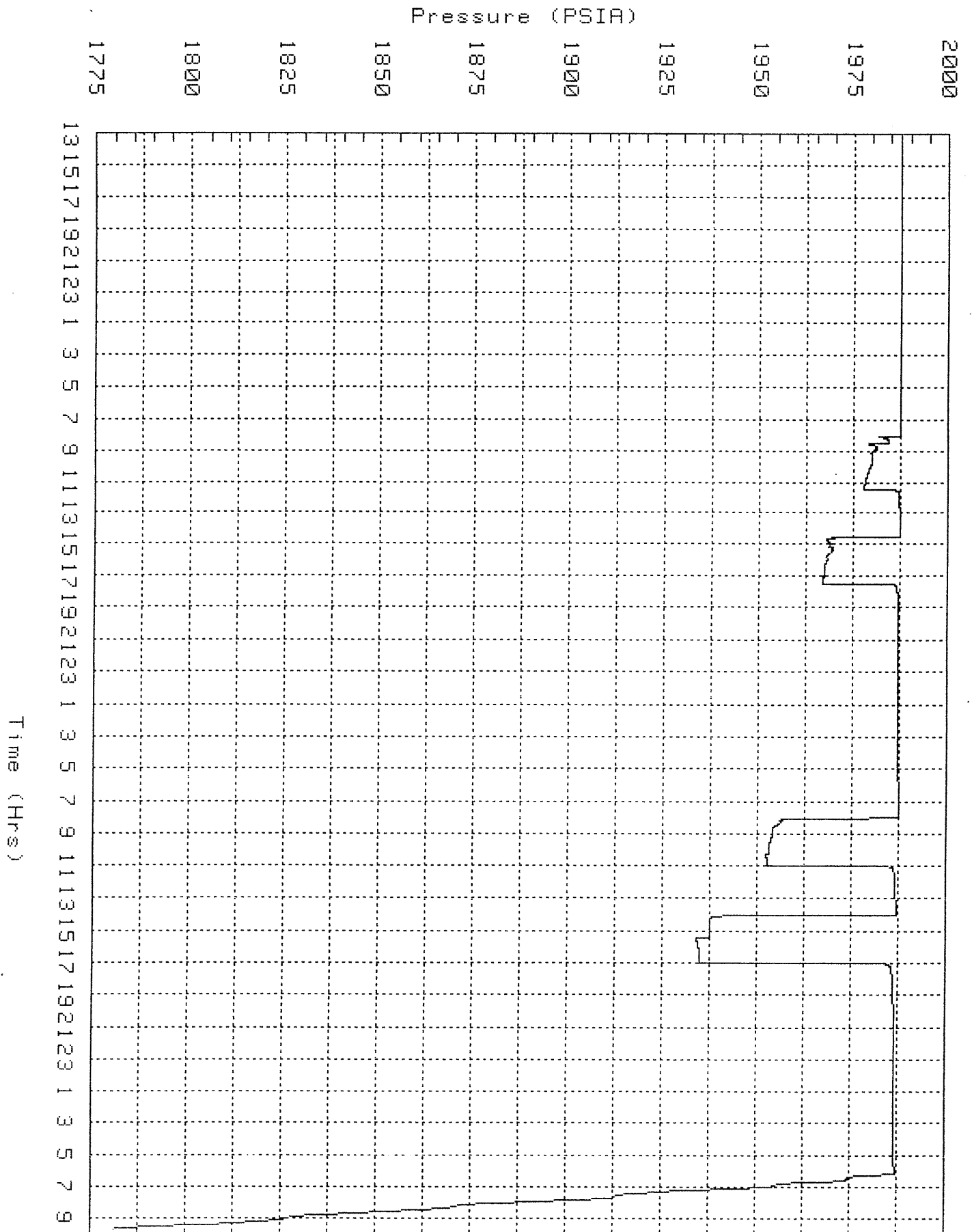
Tool Positioned at a depth of: 1468

| Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   | Time     | Temp. | PSIA.   |
|----------|-------|---------|----------|-------|---------|----------|-------|---------|
| 22:50:00 | 141.3 | 1986.64 | 23:00:00 | 141.3 | 1986.64 | 23:30:00 | 141.2 | 1986.65 |
| 00:00:00 | 141.2 | 1986.67 | 00:30:00 | 141.3 | 1986.70 | 01:00:00 | 141.2 | 1986.70 |
| 01:30:00 | 141.3 | 1986.74 | 02:00:00 | 141.2 | 1986.73 | 02:30:00 | 141.3 | 1986.76 |
| 03:00:00 | 141.3 | 1986.78 | 03:30:00 | 141.3 | 1986.78 | 04:00:00 | 141.3 | 1986.80 |
| 04:30:00 | 141.3 | 1986.81 | 05:00:00 | 141.4 | 1986.82 | 05:30:00 | 141.3 | 1986.83 |
| 06:00:00 | 141.3 | 1986.86 | 06:07:00 | 141.3 | 1986.86 | 06:08:00 | 141.3 | 1986.86 |
| 06:09:00 | 141.3 | 1986.86 | 06:10:00 | 141.3 | 1986.86 | 06:11:00 | 141.3 | 1986.84 |
| 06:12:00 | 140.7 | 1985.33 | 06:13:00 | 139.7 | 1984.32 | 06:14:00 | 138.9 | 1983.12 |
| 06:15:00 | 137.7 | 1981.89 | 06:16:00 | 136.5 | 1980.30 | 06:17:00 | 135.4 | 1978.68 |
| 06:18:00 | 135.1 | 1976.92 | 06:19:00 | 135.1 | 1976.14 | 06:20:00 | 135.0 | 1975.81 |
| 06:21:00 | 135.0 | 1975.60 | 06:22:00 | 135.0 | 1975.39 | 06:23:00 | 134.8 | 1975.21 |
| 06:24:00 | 134.8 | 1975.04 | 06:25:00 | 134.8 | 1974.91 | 06:26:00 | 134.7 | 1974.77 |
| 06:27:00 | 134.7 | 1974.64 | 06:28:00 | 134.7 | 1974.55 | 06:29:00 | 134.7 | 1974.47 |
| 06:30:00 | 134.6 | 1974.37 | 06:31:00 | 134.6 | 1974.31 | 06:32:00 | 134.6 | 1974.25 |
| 06:33:00 | 134.6 | 1974.19 | 06:34:00 | 134.5 | 1974.13 | 06:35:00 | 134.5 | 1973.77 |
| 06:36:00 | 133.6 | 1973.13 | 06:37:00 | 132.6 | 1972.23 | 06:38:00 | 131.7 | 1971.22 |
| 06:39:00 | 130.9 | 1969.65 | 06:40:00 | 130.1 | 1967.99 | 06:41:00 | 129.4 | 1966.07 |
| 06:42:00 | 128.7 | 1964.21 | 06:43:00 | 128.0 | 1962.25 | 06:44:00 | 127.3 | 1960.28 |
| 06:45:00 | 126.7 | 1958.81 | 06:46:00 | 126.8 | 1957.87 | 06:47:00 | 126.7 | 1957.26 |
| 06:48:00 | 126.7 | 1956.79 | 06:49:00 | 126.6 | 1956.38 | 06:50:00 | 126.6 | 1956.03 |
| 06:51:00 | 126.6 | 1955.73 | 06:52:00 | 126.5 | 1955.44 | 06:53:00 | 126.5 | 1955.20 |
| 06:54:00 | 126.5 | 1954.99 | 06:55:00 | 126.5 | 1954.81 | 06:56:00 | 126.5 | 1954.65 |
| 06:57:00 | 126.4 | 1954.52 | 06:58:00 | 126.3 | 1954.40 | 06:59:00 | 126.4 | 1954.30 |
| 07:00:00 | 126.4 | 1954.20 | 07:01:00 | 126.4 | 1954.14 | 07:02:00 | 126.3 | 1954.07 |
| 07:03:00 | 126.3 | 1954.00 | 07:22:00 | 111.5 | 1922.23 | 07:23:00 | 111.5 | 1920.63 |
| 07:24:00 | 111.5 | 1919.33 | 07:25:00 | 111.5 | 1918.23 | 07:26:00 | 111.4 | 1917.28 |
| 07:27:00 | 111.3 | 1916.47 | 07:28:00 | 111.3 | 1915.78 | 07:29:00 | 111.3 | 1915.19 |
| 07:30:00 | 111.3 | 1914.68 | 07:31:00 | 111.2 | 1914.26 | 07:32:00 | 111.2 | 1913.89 |
| 07:33:00 | 111.1 | 1913.58 | 07:34:00 | 111.2 | 1913.30 | 07:35:00 | 111.1 | 1913.05 |
| 07:36:00 | 111.1 | 1912.85 | 07:37:00 | 111.1 | 1912.68 | 07:38:00 | 111.1 | 1912.51 |
| 07:39:00 | 111.1 | 1912.38 | 07:40:00 | 111.1 | 1912.27 | 07:41:00 | 111.1 | 1912.16 |
| 08:02:00 | 98.9  | 1881.50 | 08:03:00 | 98.8  | 1879.63 | 08:04:00 | 98.7  | 1878.07 |
| 08:05:00 | 98.8  | 1876.78 | 08:06:00 | 98.7  | 1875.67 | 08:07:00 | 98.7  | 1874.73 |
| 08:08:00 | 98.6  | 1873.91 | 08:09:00 | 98.6  | 1873.20 | 08:10:00 | 98.5  | 1872.59 |
| 08:11:00 | 98.5  | 1872.07 | 08:12:00 | 98.5  | 1871.61 | 08:13:00 | 98.5  | 1871.22 |
| 08:14:00 | 98.4  | 1870.89 | 08:15:00 | 98.4  | 1870.57 | 08:16:00 | 98.4  | 1870.31 |
| 08:17:00 | 98.4  | 1870.10 | 08:18:00 | 98.3  | 1869.88 | 08:19:00 | 98.3  | 1869.72 |
| 08:20:00 | 98.3  | 1869.56 | 08:21:00 | 98.3  | 1869.43 | 08:22:00 | 98.2  | 1869.32 |
| 08:23:00 | 98.3  | 1869.21 | 08:24:00 | 98.2  | 1869.12 | 08:42:00 | 85.0  | 1843.94 |
| 08:43:00 | 85.0  | 1841.30 | 08:44:00 | 84.9  | 1839.00 | 08:45:00 | 84.8  | 1837.03 |
| 08:46:00 | 84.7  | 1835.34 | 08:47:00 | 84.7  | 1833.87 | 08:48:00 | 84.6  | 1832.62 |
| 08:49:00 | 84.6  | 1831.54 | 08:50:00 | 84.5  | 1830.61 | 08:51:00 | 84.5  | 1829.82 |
| 08:52:00 | 84.5  | 1829.13 | 08:53:00 | 84.4  | 1828.54 | 08:54:00 | 84.5  | 1828.01 |
| 08:55:00 | 84.4  | 1827.58 | 08:56:00 | 84.5  | 1827.20 | 08:57:00 | 84.4  | 1826.85 |
| 08:58:00 | 84.4  | 1826.54 | 08:59:00 | 84.4  | 1826.30 | 09:00:00 | 84.3  | 1826.08 |
| 09:01:00 | 84.3  | 1825.87 | 09:02:00 | 84.3  | 1825.70 | 09:03:00 | 84.2  | 1825.57 |
| 09:04:00 | 84.3  | 1825.45 | 09:05:00 | 84.3  | 1825.32 | 09:06:00 | 84.2  | 1825.24 |
| 09:07:00 | 84.2  | 1825.14 | 09:24:00 | 65.7  | 1805.50 | 09:25:00 | 65.8  | 1801.67 |
| 09:26:00 | 65.7  | 1798.38 | 09:27:00 | 65.7  | 1795.61 | 09:28:00 | 65.5  | 1793.27 |
| 09:29:00 | 65.4  | 1791.47 | 09:30:00 | 65.3  | 1790.12 | 09:31:00 | 65.1  | 1789.05 |
| 09:32:00 | 65.0  | 1788.02 | 09:33:00 | 65.1  | 1786.92 | 09:34:00 | 65.1  | 1785.84 |
| 09:35:00 | 65.2  | 1784.77 | 09:36:00 | 65.1  | 1783.83 | 09:37:00 | 65.2  | 1783.01 |
| 09:38:00 | 65.2  | 1782.33 | 09:39:00 | 65.2  | 1781.74 | 09:40:00 | 65.2  | 1781.22 |

GO INTERNATIONAL AUSTRALIA - LINEAR PRESSURE PLOT

BEACH PETROLEUM NORTH PAARATTIE #2

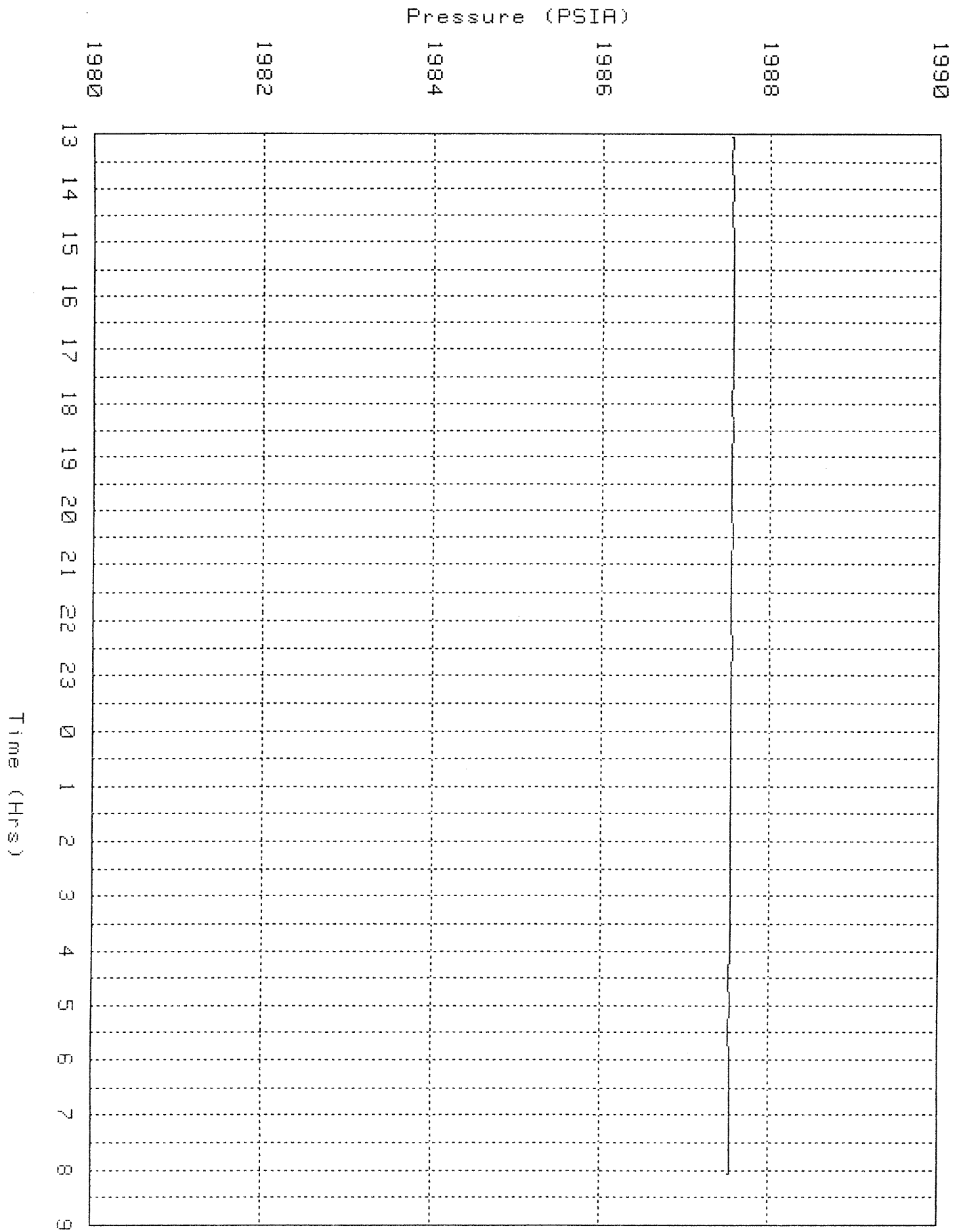
Plotted from: 13:03:30 to 09:40:00 (~ 69 hrs.)



GO INTERNATIONAL AUSTRALIA - LINEAR PRESSURE PLOT

BEACH PETROLEUM NORTH PARRATTIE #2

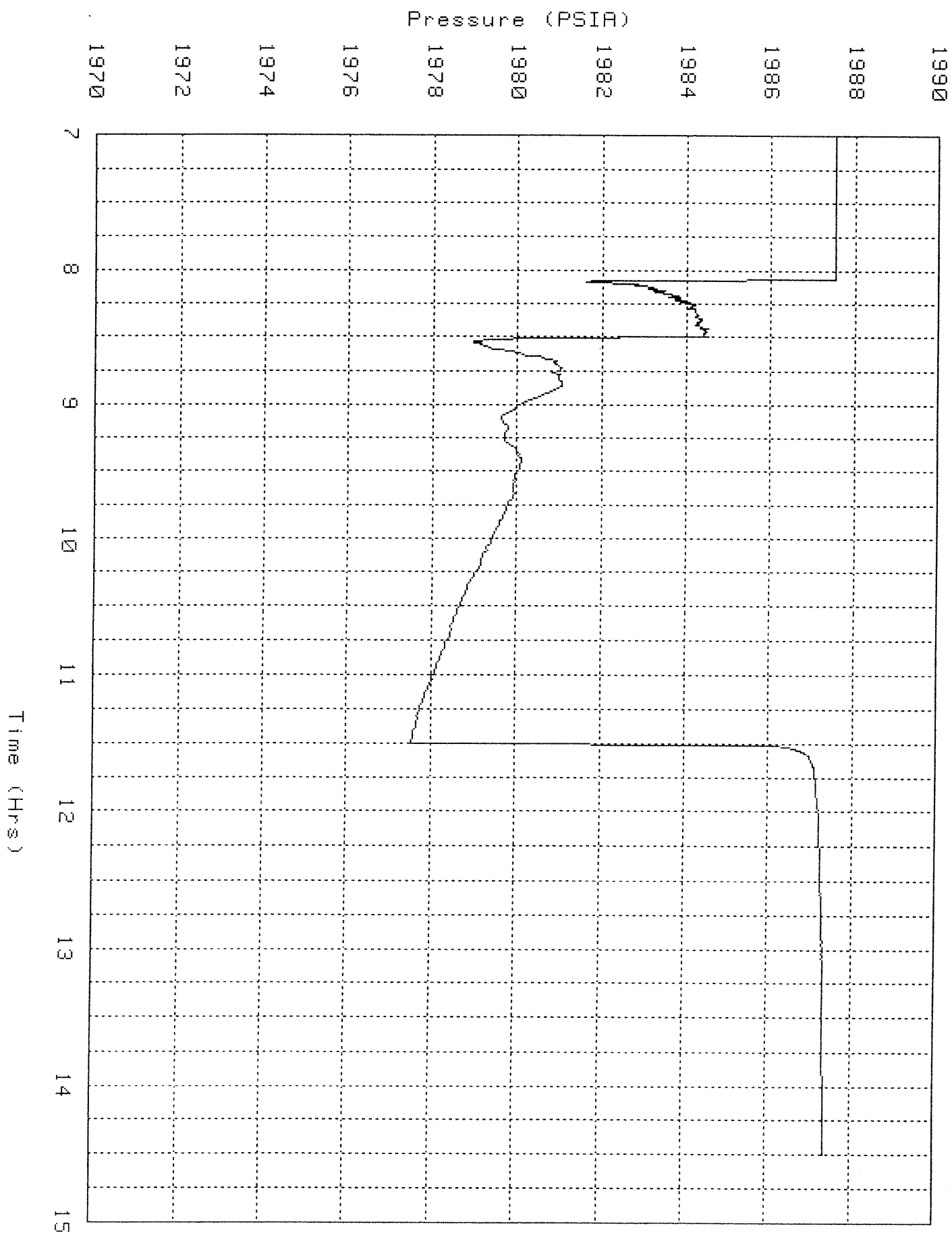
Plotted from: 13:03:30 to 08:04:10 (~ 19 hrs.)



GO INTERNATIONAL AUSTRALIA - LINEAR PRESSURE PLOT

BEACH PETROLEUM NORTH PARRATTIE #2

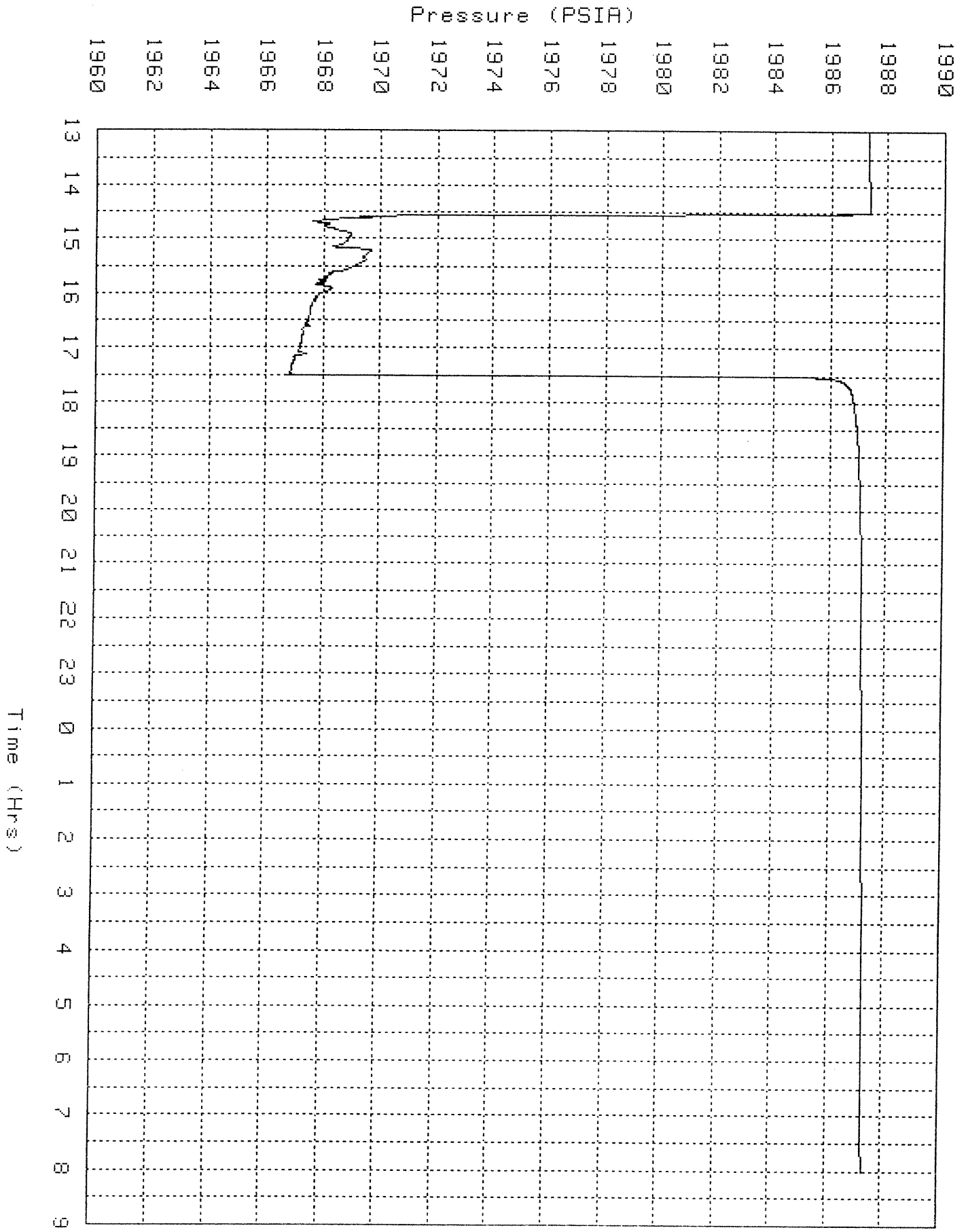
Plotted from: 07:00:00 to 14:30:00 (~ 8 hrs.)



GO INTERNATIONAL AUSTRALIA - LINEAR PRESSURE PLOT

BEACH PETROLEUM . . . NORTH PAARATTIE #2

Plotted from: 13:00:00 to 08:00:10 (~ 19 hrs.)



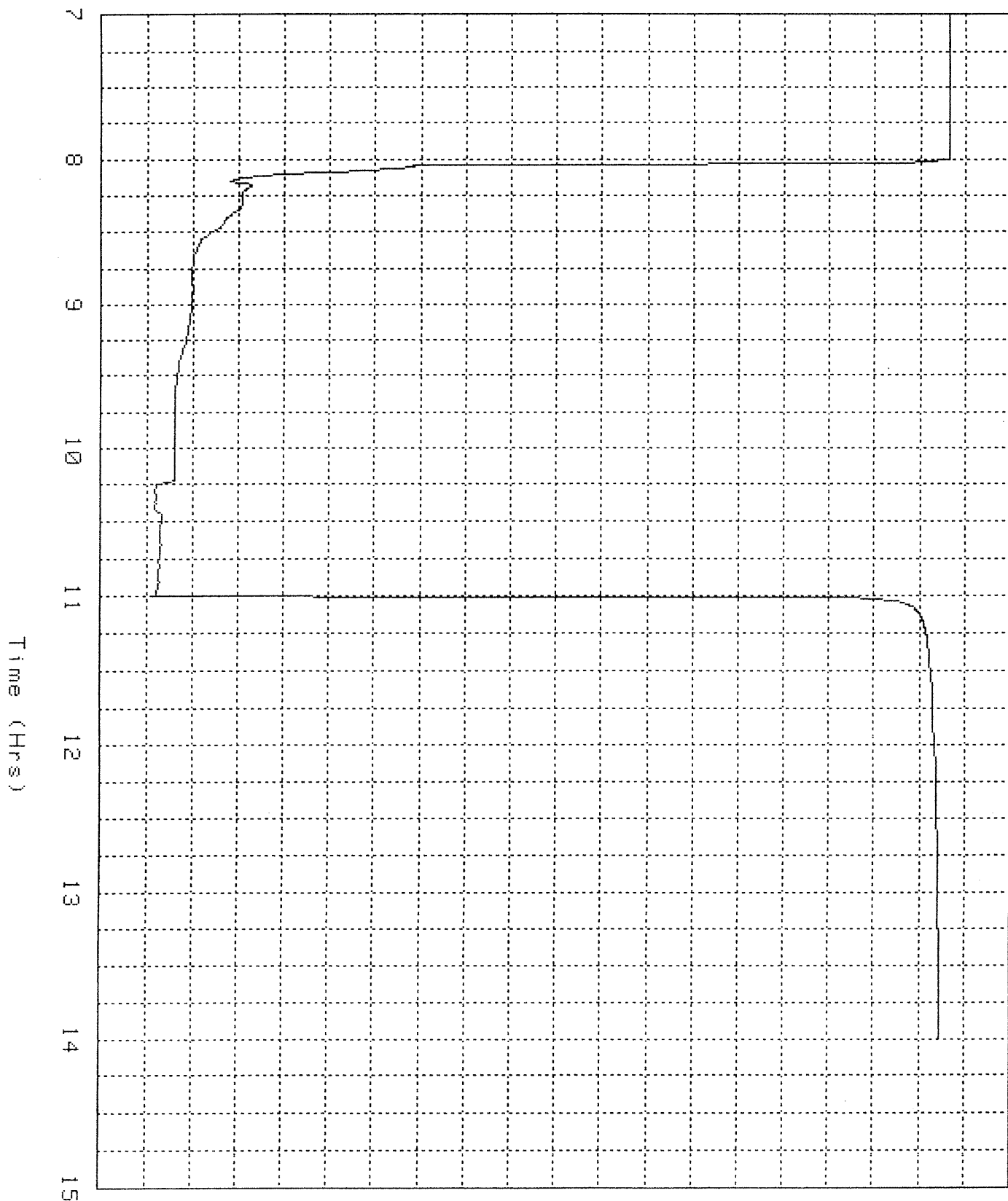
GO INTERNATIONAL AUSTRALIA - LINEAR PRESSURE PLOT

BEACH PETROLEUM . NORTH PARRATTIE #2

Plotted from: 07:00:00 to 14:00:20 (~ 7 hrs.)

Pressure (PSIA)

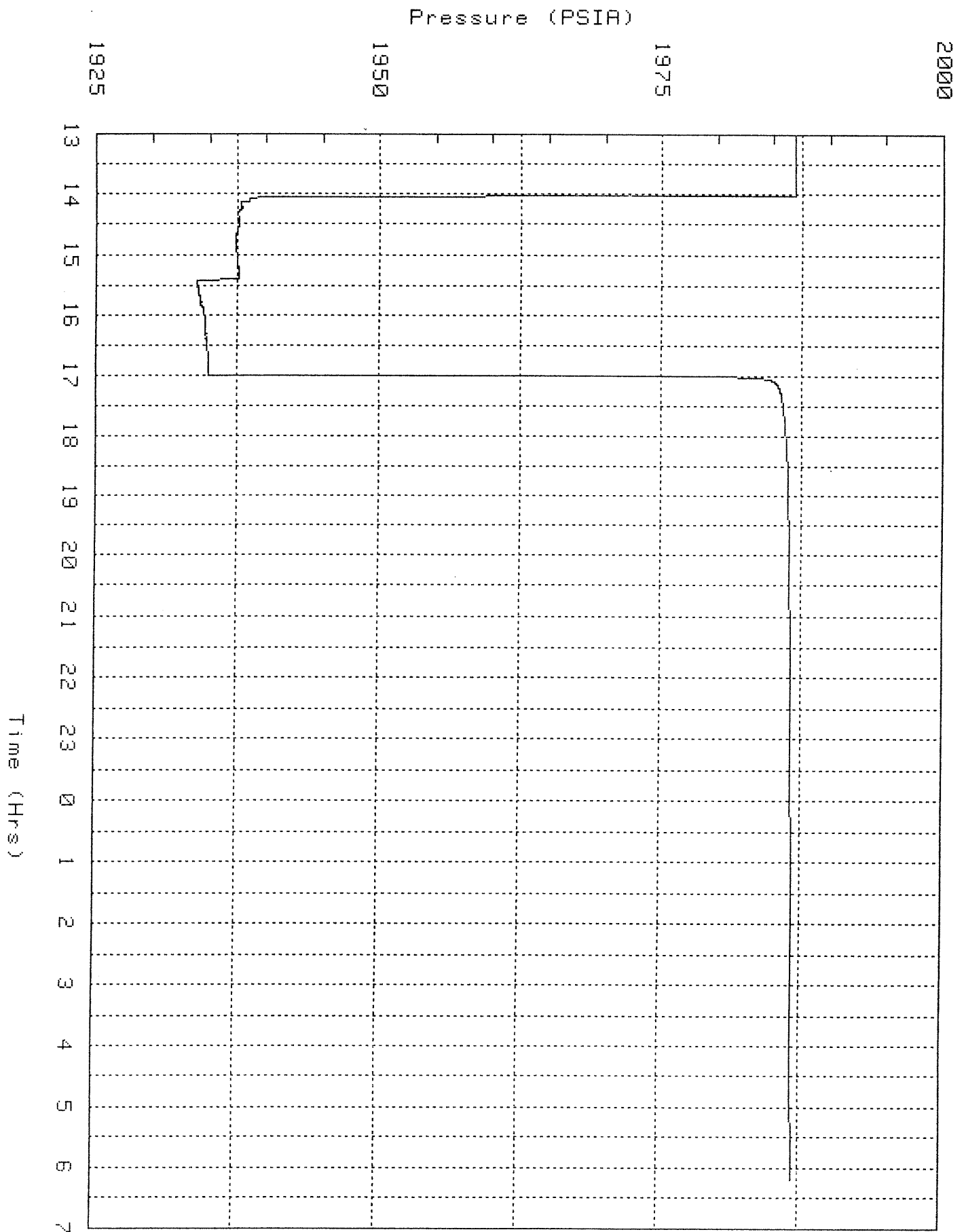
1990  
1988  
1986  
1984  
1982  
1980  
1978  
1976  
1974  
1972  
1970  
1968  
1966  
1964  
1962  
1960  
1958  
1956  
1954  
1952  
1950



GO INTERNATIONAL AUSTRALIA - LINEAR PRESSURE PLOT

BEACH PETROLEUM . NORTH PAARATTIE #2

Plotted from: 13:00:00 to 06:11:00 (~ 17 hrs.)

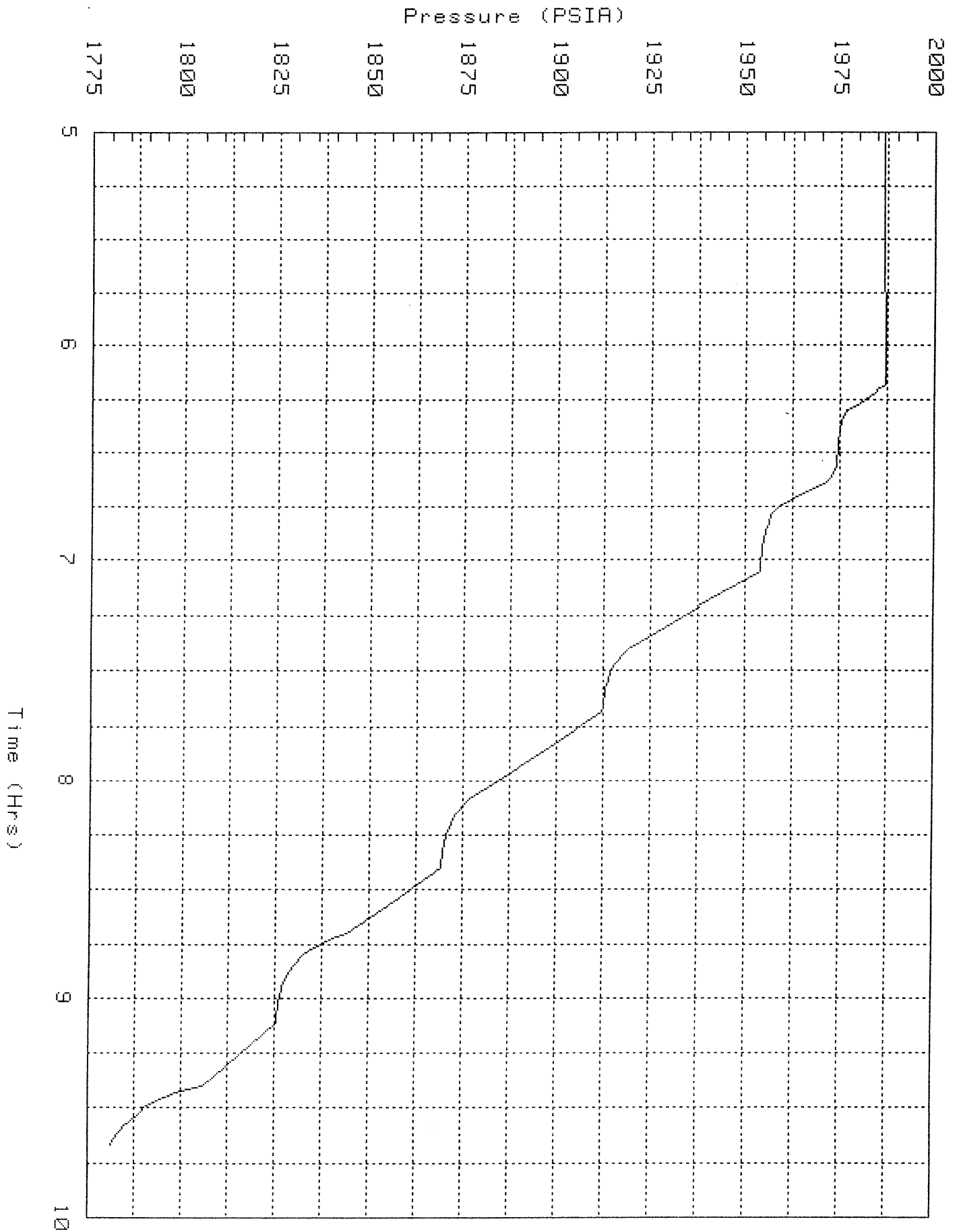




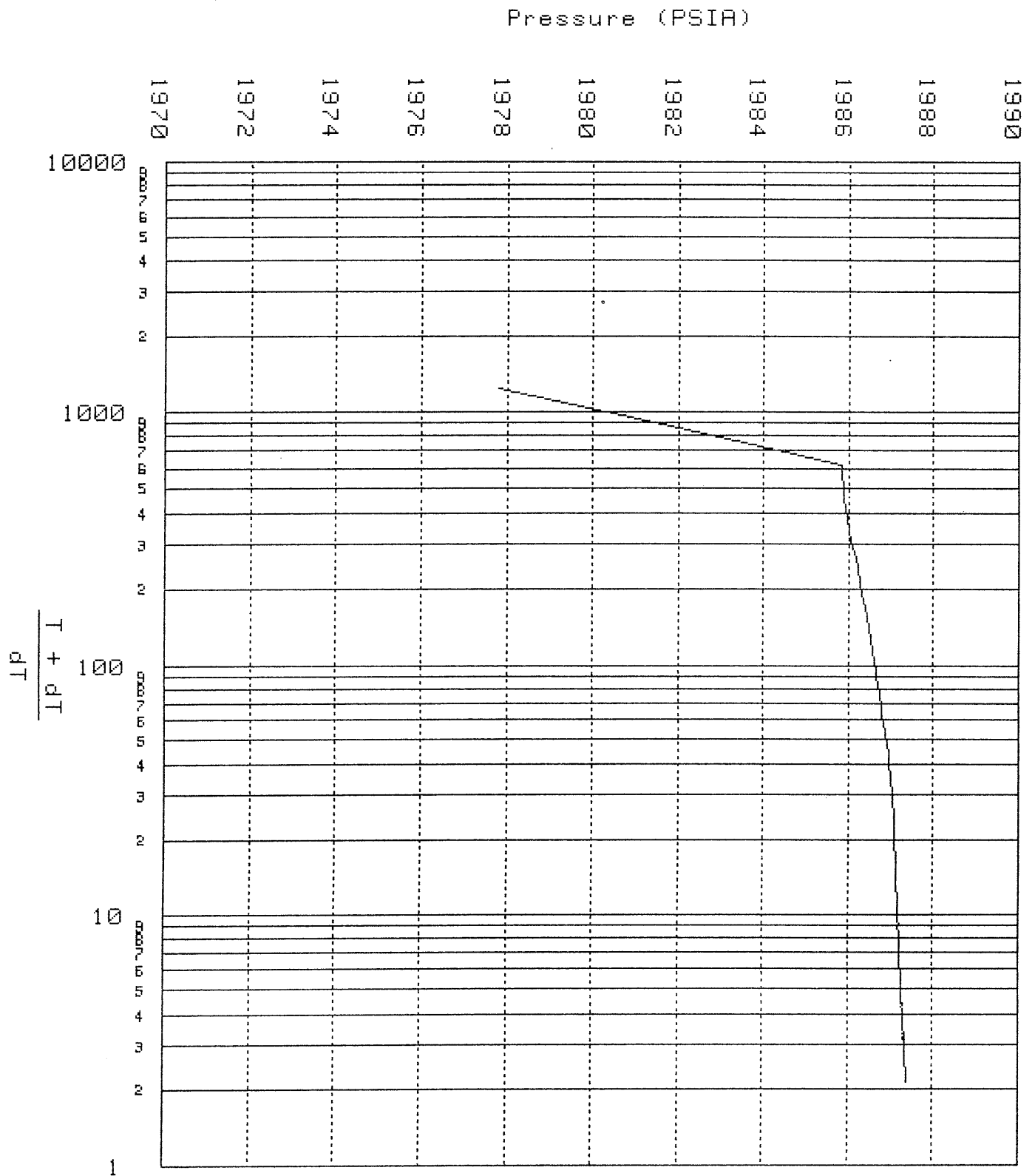
GO INTERNATIONAL AUSTRALIA - LINEAR PRESSURE PLOT

BEACH PETROLEUM . NORTH PAARATTIE #2

Plotted from: 05:00:00 to 09:40:00 (~ 5 hrs.)



GO INTERNATIONAL AUSTRALIA - HORNER PLOT  
 BEACH PETROLEUM NORTH PARRATTIE #2 10/64 CHOKE  
 Time well flowed: 08:04:20 Date: 14/03/81  
 Time well shut in: 11:30:10 Date: 14/03/81  
 Time build-up completed: 14:30:00 Date: 14/03/81



Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 14/03/81

BUILD-UP #1

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt   | Dp   | T+Dt/Dt  |
|----------|-------------|---------|------|------|----------|
| 11:30:20 | 141.4       | 1977.80 | .003 | .28  | 1236.000 |
| 11:30:30 | 141.6       | 1985.82 | .006 | 8.30 | 618.500  |
| 11:30:40 | 141.7       | 1985.90 | .008 | 8.38 | 412.667  |
| 11:30:50 | 141.7       | 1986.06 | .011 | 8.54 | 309.750  |
| 11:31:00 | 141.8       | 1986.20 | .014 | 8.68 | 248.000  |
| 11:31:10 | 141.7       | 1986.28 | .017 | 8.76 | 206.833  |
| 11:31:20 | 141.8       | 1986.36 | .019 | 8.84 | 177.429  |
| 11:31:30 | 141.7       | 1986.42 | .022 | 8.90 | 155.375  |
| 11:31:40 | 141.7       | 1986.46 | .025 | 8.94 | 138.222  |
| 11:31:50 | 141.7       | 1986.50 | .028 | 8.98 | 124.500  |
| 11:32:00 | 141.7       | 1986.55 | .031 | 9.03 | 113.273  |
| 11:32:10 | 141.7       | 1986.61 | .033 | 9.09 | 103.917  |
| 11:32:20 | 141.7       | 1986.64 | .036 | 9.12 | 96.000   |
| 11:32:30 | 141.7       | 1986.66 | .039 | 9.14 | 89.214   |
| 11:32:40 | 141.7       | 1986.68 | .042 | 9.16 | 83.333   |
| 11:32:50 | 141.7       | 1986.72 | .044 | 9.20 | 78.187   |
| 11:33:00 | 141.6       | 1986.74 | .047 | 9.22 | 73.647   |
| 11:33:10 | 141.6       | 1986.76 | .050 | 9.24 | 69.611   |
| 11:33:20 | 141.7       | 1986.78 | .053 | 9.26 | 66.000   |
| 11:33:30 | 141.6       | 1986.80 | .056 | 9.28 | 62.750   |
| 11:33:40 | 141.6       | 1986.83 | .058 | 9.31 | 59.810   |
| 11:33:50 | 141.6       | 1986.84 | .061 | 9.32 | 57.136   |
| 11:34:00 | 141.7       | 1986.86 | .064 | 9.34 | 54.696   |
| 11:34:10 | 141.6       | 1986.87 | .067 | 9.35 | 52.458   |
| 11:34:20 | 141.6       | 1986.87 | .069 | 9.35 | 50.400   |
| 11:34:30 | 141.6       | 1986.89 | .072 | 9.37 | 48.500   |
| 11:34:40 | 141.6       | 1986.91 | .075 | 9.39 | 46.741   |
| 11:34:50 | 141.6       | 1986.93 | .078 | 9.41 | 45.107   |
| 11:35:00 | 141.6       | 1986.93 | .081 | 9.41 | 43.586   |
| 11:35:30 | 141.6       | 1986.97 | .089 | 9.45 | 39.594   |
| 11:36:00 | 141.6       | 1986.98 | .097 | 9.46 | 36.286   |
| 11:36:30 | 141.6       | 1986.99 | .106 | 9.47 | 33.500   |
| 11:37:00 | 141.6       | 1987.02 | .114 | 9.50 | 31.122   |
| 11:37:30 | 141.5       | 1987.03 | .122 | 9.51 | 29.068   |
| 11:38:00 | 141.6       | 1987.04 | .131 | 9.52 | 27.277   |
| 11:38:30 | 141.6       | 1987.06 | .139 | 9.54 | 25.700   |
| 11:39:00 | 141.6       | 1987.06 | .147 | 9.54 | 24.302   |
| 11:39:30 | 141.5       | 1987.07 | .156 | 9.55 | 23.054   |
| 11:40:00 | 141.5       | 1987.08 | .164 | 9.56 | 21.932   |
| 11:40:30 | 141.5       | 1987.09 | .172 | 9.57 | 20.919   |
| 11:41:00 | 141.6       | 1987.09 | .181 | 9.57 | 20.000   |
| 11:41:30 | 141.5       | 1987.09 | .189 | 9.57 | 19.162   |
| 11:42:00 | 141.5       | 1987.09 | .197 | 9.57 | 18.394   |
| 11:43:00 | 141.5       | 1987.11 | .214 | 9.59 | 17.039   |
| 11:44:00 | 141.5       | 1987.11 | .231 | 9.59 | 15.880   |
| 11:45:00 | 141.5       | 1987.12 | .247 | 9.60 | 14.876   |
| 11:46:00 | 141.5       | 1987.13 | .264 | 9.61 | 14.000   |
| 11:47:00 | 141.5       | 1987.14 | .281 | 9.62 | 13.228   |
| 11:48:00 | 141.5       | 1987.13 | .297 | 9.61 | 12.542   |
| 11:49:00 | 141.6       | 1987.16 | .314 | 9.64 | 11.929   |
| 11:50:00 | 141.5       | 1987.15 | .331 | 9.63 | 11.378   |
| 11:51:00 | 141.5       | 1987.15 | .347 | 9.63 | 10.880   |
| 11:52:00 | 141.5       | 1987.15 | .364 | 9.63 | 10.427   |
| 11:53:00 | 141.5       | 1987.16 | .381 | 9.64 | 10.015   |
| 11:54:00 | 141.5       | 1987.17 | .397 | 9.65 | 9.636    |
| 11:55:00 | 141.5       | 1987.18 | .414 | 9.66 | 9.289    |
| 11:56:00 | 141.6       | 1987.20 | .431 | 9.68 | 8.968    |
| 11:57:00 | 141.5       | 1987.18 | .447 | 9.66 | 8.671    |
| 11:58:00 | 141.5       | 1987.19 | .464 | 9.67 | 8.395    |
| 11:59:00 | 141.6       | 1987.21 | .481 | 9.69 | 8.139    |
| 12:00:00 | 141.5       | 1987.19 | .497 | 9.67 | 7.899    |

Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 14/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt    | Dp   | T+Dt/Dt |
|----------|-------------|---------|-------|------|---------|
| 12:01:00 | 141.5       | 1987.21 | .514  | 9.69 | 7.676   |
| 12:02:00 | 141.5       | 1987.21 | .531  | 9.69 | 7.466   |
| 12:03:00 | 141.5       | 1987.21 | .547  | 9.69 | 7.269   |
| 12:04:00 | 141.6       | 1987.22 | .564  | 9.70 | 7.084   |
| 12:05:00 | 141.5       | 1987.22 | .581  | 9.70 | 6.909   |
| 12:06:00 | 141.5       | 1987.21 | .597  | 9.69 | 6.744   |
| 12:07:00 | 141.5       | 1987.22 | .614  | 9.70 | 6.588   |
| 12:08:00 | 141.5       | 1987.21 | .631  | 9.69 | 6.441   |
| 12:09:00 | 141.5       | 1987.22 | .647  | 9.70 | 6.300   |
| 12:10:00 | 141.5       | 1987.21 | .664  | 9.69 | 6.167   |
| 12:11:00 | 141.5       | 1987.23 | .681  | 9.71 | 6.041   |
| 12:12:00 | 141.5       | 1987.24 | .697  | 9.72 | 5.920   |
| 12:13:00 | 141.5       | 1987.23 | .714  | 9.71 | 5.805   |
| 12:14:00 | 141.5       | 1987.23 | .731  | 9.71 | 5.696   |
| 12:15:00 | 141.5       | 1987.24 | .747  | 9.72 | 5.591   |
| 12:16:00 | 141.5       | 1987.25 | .764  | 9.73 | 5.491   |
| 12:17:00 | 141.4       | 1987.25 | .781  | 9.73 | 5.395   |
| 12:18:00 | 141.5       | 1987.25 | .797  | 9.73 | 5.303   |
| 12:19:00 | 141.5       | 1987.25 | .814  | 9.73 | 5.215   |
| 12:20:00 | 141.5       | 1987.25 | .831  | 9.73 | 5.130   |
| 12:21:00 | 141.5       | 1987.25 | .847  | 9.73 | 5.049   |
| 12:22:00 | 141.5       | 1987.25 | .864  | 9.73 | 4.971   |
| 12:23:00 | 141.5       | 1987.25 | .881  | 9.73 | 4.896   |
| 12:24:00 | 141.5       | 1987.26 | .897  | 9.74 | 4.824   |
| 12:25:00 | 141.4       | 1987.26 | .914  | 9.74 | 4.754   |
| 12:26:00 | 141.5       | 1987.25 | .931  | 9.73 | 4.687   |
| 12:27:00 | 141.4       | 1987.27 | .947  | 9.75 | 4.622   |
| 12:28:00 | 141.5       | 1987.27 | .964  | 9.75 | 4.559   |
| 12:29:00 | 141.4       | 1987.27 | .981  | 9.75 | 4.499   |
| 12:30:00 | 141.4       | 1987.27 | .997  | 9.75 | 4.440   |
| 12:31:00 | 141.4       | 1987.28 | 1.014 | 9.76 | 4.384   |
| 12:32:00 | 141.5       | 1987.28 | 1.031 | 9.76 | 4.329   |
| 12:33:00 | 141.4       | 1987.27 | 1.047 | 9.75 | 4.276   |
| 12:34:00 | 141.5       | 1987.28 | 1.064 | 9.76 | 4.225   |
| 12:35:00 | 141.5       | 1987.29 | 1.081 | 9.77 | 4.175   |
| 12:36:00 | 141.5       | 1987.28 | 1.097 | 9.76 | 4.127   |
| 12:37:00 | 141.4       | 1987.29 | 1.114 | 9.77 | 4.080   |
| 12:38:00 | 141.5       | 1987.29 | 1.131 | 9.77 | 4.034   |
| 12:39:00 | 141.4       | 1987.29 | 1.147 | 9.77 | 3.990   |
| 12:40:00 | 141.5       | 1987.29 | 1.164 | 9.77 | 3.947   |
| 12:41:00 | 141.5       | 1987.29 | 1.181 | 9.77 | 3.906   |
| 12:42:00 | 141.5       | 1987.29 | 1.197 | 9.77 | 3.865   |
| 12:43:00 | 141.4       | 1987.30 | 1.214 | 9.78 | 3.826   |
| 12:44:00 | 141.5       | 1987.29 | 1.231 | 9.77 | 3.788   |
| 12:45:00 | 141.5       | 1987.30 | 1.247 | 9.78 | 3.751   |
| 12:46:00 | 141.5       | 1987.29 | 1.264 | 9.77 | 3.714   |
| 12:47:00 | 141.5       | 1987.30 | 1.281 | 9.78 | 3.679   |
| 12:48:00 | 141.4       | 1987.31 | 1.297 | 9.79 | 3.645   |
| 12:49:00 | 141.4       | 1987.31 | 1.314 | 9.79 | 3.611   |
| 12:50:00 | 141.5       | 1987.30 | 1.331 | 9.78 | 3.578   |
| 12:51:00 | 141.5       | 1987.31 | 1.347 | 9.79 | 3.546   |
| 12:52:00 | 141.4       | 1987.31 | 1.364 | 9.79 | 3.515   |
| 12:53:00 | 141.4       | 1987.30 | 1.381 | 9.78 | 3.485   |
| 12:54:00 | 141.4       | 1987.31 | 1.397 | 9.79 | 3.455   |
| 12:55:00 | 141.5       | 1987.31 | 1.414 | 9.79 | 3.426   |
| 12:56:00 | 141.4       | 1987.32 | 1.431 | 9.80 | 3.398   |
| 12:57:00 | 141.4       | 1987.32 | 1.447 | 9.80 | 3.370   |
| 12:58:00 | 141.5       | 1987.31 | 1.464 | 9.79 | 3.343   |
| 12:59:00 | 141.4       | 1987.32 | 1.481 | 9.80 | 3.317   |
| 13:00:00 | 141.4       | 1987.32 | 1.497 | 9.80 | 3.291   |

Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 14/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt    | Dp   | T+Dt/Dt |
|----------|-------------|---------|-------|------|---------|
| 13:01:00 | 141.4       | 1987.33 | 1.514 | 9.81 | 3.266   |
| 13:02:00 | 141.4       | 1987.31 | 1.531 | 9.79 | 3.241   |
| 13:03:00 | 141.4       | 1987.32 | 1.547 | 9.80 | 3.217   |
| 13:04:00 | 141.4       | 1987.31 | 1.564 | 9.79 | 3.194   |
| 13:05:00 | 141.4       | 1987.33 | 1.581 | 9.81 | 3.170   |
| 13:10:00 | 141.4       | 1987.32 | 1.664 | 9.80 | 3.062   |
| 13:20:00 | 141.5       | 1987.34 | 1.831 | 9.82 | 2.874   |
| 13:30:00 | 141.5       | 1987.34 | 1.997 | 9.82 | 2.718   |
| 13:40:00 | 141.5       | 1987.35 | 2.164 | 9.83 | 2.585   |
| 13:50:00 | 141.5       | 1987.33 | 2.331 | 9.81 | 2.472   |
| 14:00:00 | 141.5       | 1987.36 | 2.497 | 9.84 | 2.374   |
| 14:10:00 | 141.5       | 1987.36 | 2.664 | 9.84 | 2.288   |
| 14:20:00 | 141.5       | 1987.36 | 2.831 | 9.84 | 2.212   |
| 14:29:40 | 141.5       | 1987.36 | 2.992 | 9.84 | 2.147   |
| 14:29:50 | 141.5       | 1987.37 | 2.994 | 9.85 | 2.146   |
| 14:30:00 | 141.5       | 1987.37 | 2.997 | 9.85 | 2.145   |

GO INTERNATIONAL AUSTRALIA

dP/dT PLOT

Build-up

BEACH PETROLEUM

NORTH PAARATTIE #2

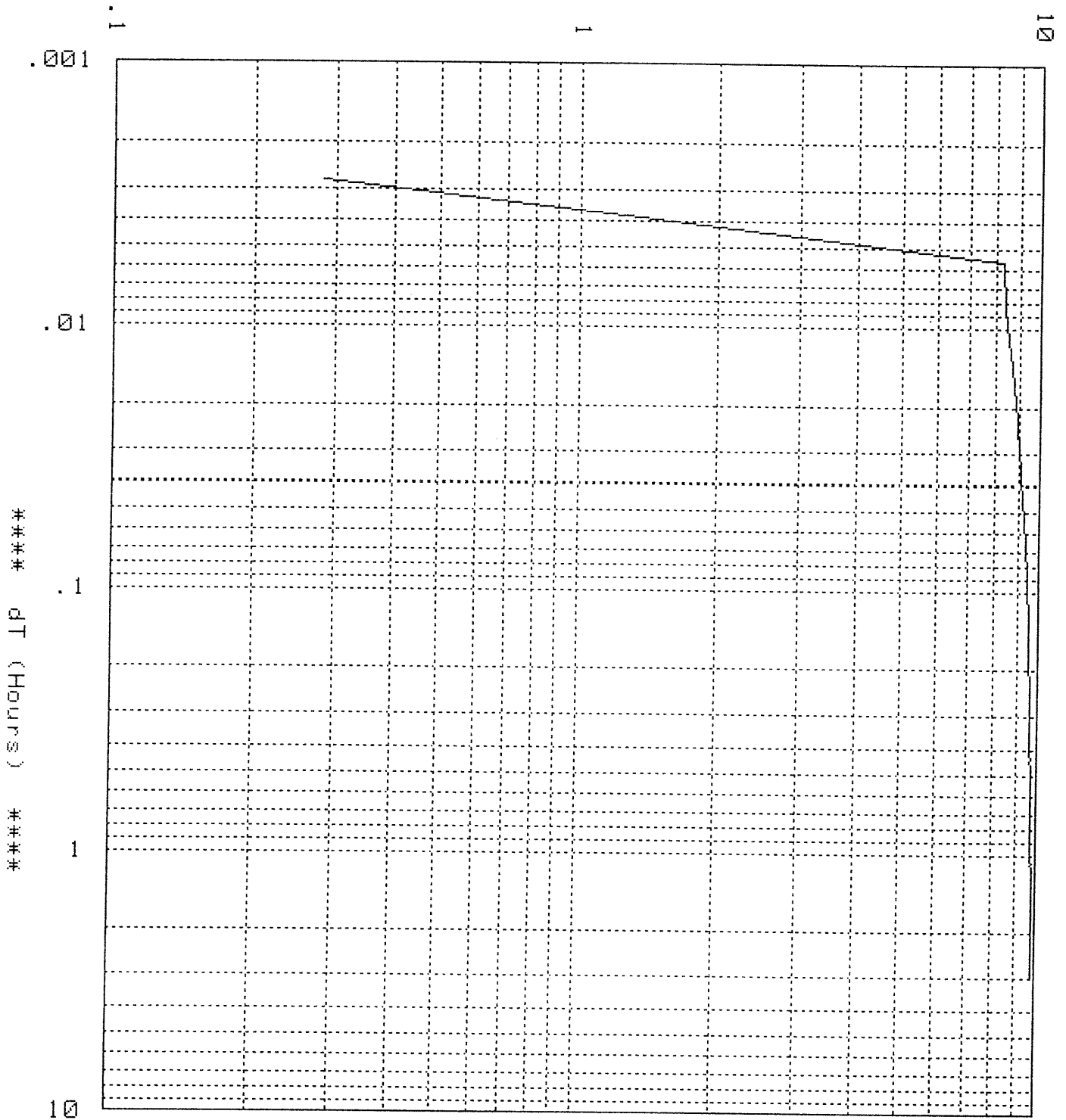
18/64 CHOKE

Time well flowed: 08:04:20 Date: 14/03/81

Time well shut in: 11:30:10 Date: 14/03/81

Time build-up completed: 14:30:00 Date: 14/03/81

\*\*\*\*\* dP (PSIA) \*\*\*\*\*



GO INTERNATIONAL AUSTRALIA

dP/dT PLOT

Drawdown

BEACH PETROLEUM

NORTH PARRATTIE #2

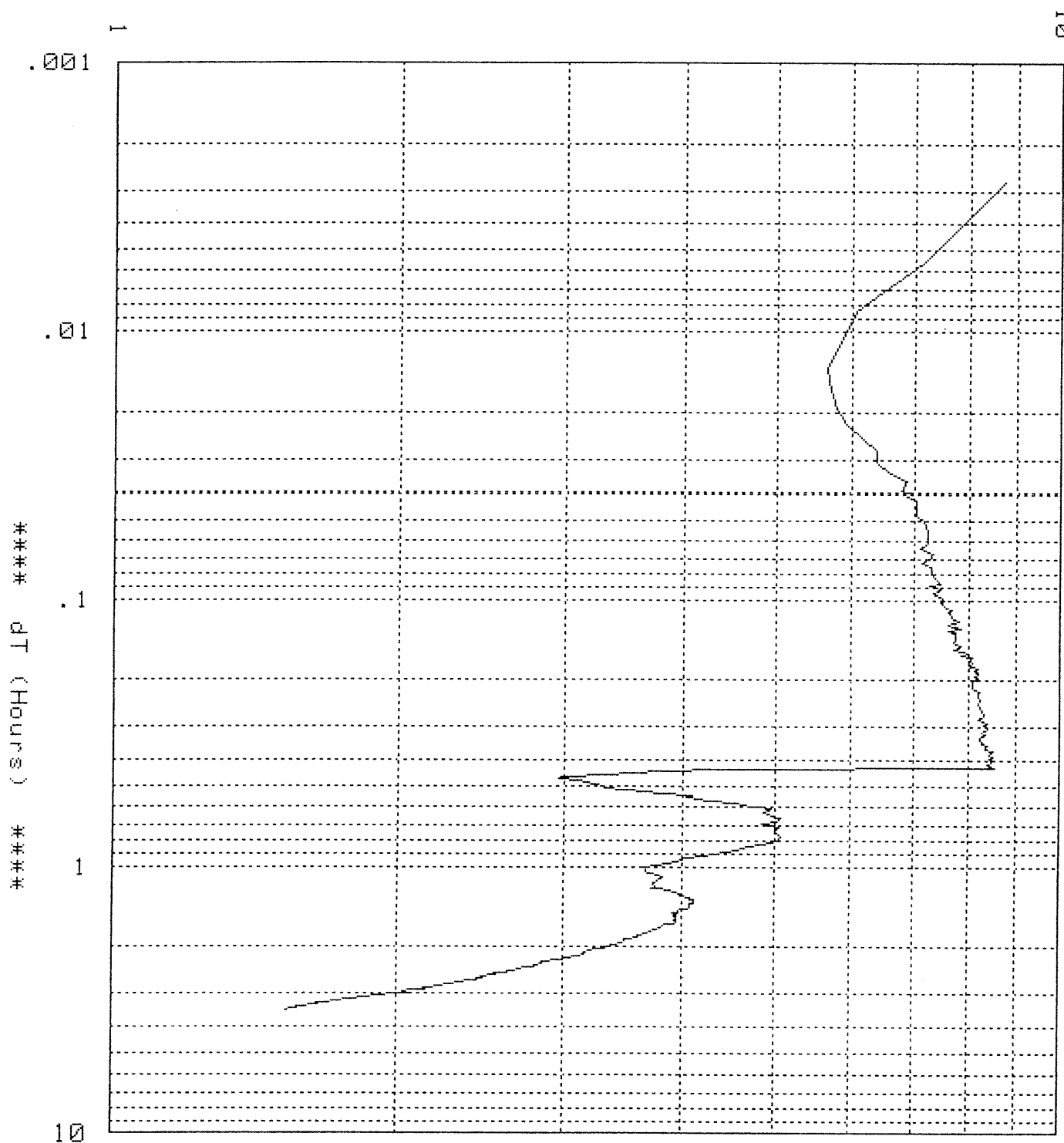
18/64 CHOKE

Time well flowed: 08:04:20 Date: 14/03/81

Time well shut in: 11:30:10 Date: 14/03/81

Time build-up completed: 14:30:00 Date: 14/03/81

\*\*\*\*\* dP (PSIA) \*\*\*\*\*



Well Name: NORTH PARATTIE #2 Company: BEACH PETROLEUM Date: 14/03/81

DRAWDOWN #1

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt   | Dp   | T+Dt/Dt  |
|----------|-------------|---------|------|------|----------|
| 08:04:30 | 141.3       | 1984.68 | .003 | 8.68 | 1236.000 |
| 08:04:40 | 141.3       | 1983.10 | .006 | 7.10 | 618.500  |
| 08:04:50 | 141.2       | 1982.05 | .008 | 6.05 | 412.667  |
| 08:05:00 | 141.2       | 1981.82 | .011 | 5.82 | 309.750  |
| 08:05:10 | 141.3       | 1981.64 | .014 | 5.64 | 248.000  |
| 08:05:20 | 141.4       | 1981.70 | .017 | 5.70 | 206.833  |
| 08:05:30 | 141.3       | 1981.78 | .019 | 5.78 | 177.429  |
| 08:05:40 | 141.4       | 1981.90 | .022 | 5.90 | 155.375  |
| 08:05:50 | 141.4       | 1982.12 | .025 | 6.12 | 138.222  |
| 08:06:00 | 141.4       | 1982.35 | .028 | 6.35 | 124.500  |
| 08:06:10 | 141.4       | 1982.37 | .031 | 6.37 | 113.273  |
| 08:06:20 | 141.4       | 1982.54 | .033 | 6.54 | 103.917  |
| 08:06:30 | 141.5       | 1982.84 | .036 | 6.84 | 96.000   |
| 08:06:40 | 141.4       | 1982.77 | .039 | 6.77 | 89.214   |
| 08:06:50 | 141.5       | 1983.03 | .042 | 7.03 | 83.333   |
| 08:07:00 | 141.4       | 1983.02 | .044 | 7.02 | 78.187   |
| 08:07:10 | 141.4       | 1983.03 | .047 | 7.03 | 73.647   |
| 08:07:20 | 141.4       | 1983.14 | .050 | 7.14 | 69.611   |
| 08:07:30 | 141.4       | 1983.18 | .053 | 7.18 | 66.000   |
| 08:07:40 | 141.5       | 1983.20 | .056 | 7.20 | 62.750   |
| 08:07:50 | 141.4       | 1983.22 | .058 | 7.22 | 59.810   |
| 08:08:00 | 141.4       | 1983.20 | .061 | 7.20 | 57.136   |
| 08:08:10 | 141.5       | 1983.08 | .064 | 7.08 | 54.696   |
| 08:08:20 | 141.4       | 1983.30 | .067 | 7.30 | 52.458   |
| 08:08:30 | 141.4       | 1983.29 | .069 | 7.29 | 50.400   |
| 08:08:40 | 141.4       | 1983.10 | .072 | 7.10 | 48.500   |
| 08:08:50 | 141.4       | 1983.27 | .075 | 7.27 | 46.741   |
| 08:09:00 | 141.4       | 1983.28 | .078 | 7.28 | 45.107   |
| 08:09:10 | 141.5       | 1983.27 | .081 | 7.27 | 43.586   |
| 08:09:20 | 141.4       | 1983.37 | .083 | 7.37 | 42.167   |
| 08:09:30 | 141.5       | 1983.47 | .086 | 7.47 | 40.839   |
| 08:09:40 | 141.5       | 1983.25 | .089 | 7.25 | 39.594   |
| 08:09:50 | 141.4       | 1983.44 | .092 | 7.44 | 38.424   |
| 08:10:00 | 141.5       | 1983.33 | .094 | 7.33 | 37.324   |
| 08:10:10 | 141.4       | 1983.45 | .097 | 7.45 | 36.286   |
| 08:10:20 | 141.5       | 1983.54 | .100 | 7.54 | 35.306   |
| 08:10:30 | 141.5       | 1983.46 | .103 | 7.46 | 34.378   |
| 08:10:40 | 141.4       | 1983.52 | .106 | 7.52 | 33.500   |
| 08:10:50 | 141.4       | 1983.66 | .108 | 7.66 | 32.667   |
| 08:11:00 | 141.5       | 1983.58 | .111 | 7.58 | 31.875   |
| 08:11:10 | 141.5       | 1983.68 | .114 | 7.68 | 31.122   |
| 08:11:20 | 141.4       | 1983.68 | .117 | 7.68 | 30.405   |
| 08:11:30 | 141.5       | 1983.82 | .119 | 7.82 | 29.721   |
| 08:11:40 | 141.5       | 1983.66 | .122 | 7.66 | 29.068   |
| 08:11:50 | 141.5       | 1983.61 | .125 | 7.61 | 28.444   |
| 08:12:00 | 141.4       | 1983.83 | .128 | 7.83 | 27.848   |
| 08:12:10 | 141.5       | 1983.58 | .131 | 7.58 | 27.277   |
| 08:12:20 | 141.5       | 1983.74 | .133 | 7.74 | 26.729   |
| 08:12:30 | 141.5       | 1983.75 | .136 | 7.75 | 26.204   |
| 08:12:40 | 141.4       | 1983.72 | .139 | 7.72 | 25.700   |
| 08:12:50 | 141.5       | 1983.74 | .142 | 7.74 | 25.216   |
| 08:13:00 | 141.5       | 1983.71 | .144 | 7.71 | 24.750   |
| 08:13:10 | 141.5       | 1983.84 | .147 | 7.84 | 24.302   |
| 08:13:20 | 141.5       | 1983.79 | .150 | 7.79 | 23.870   |
| 08:13:30 | 141.5       | 1983.71 | .153 | 7.71 | 23.455   |
| 08:13:40 | 141.5       | 1983.87 | .156 | 7.87 | 23.054   |
| 08:13:50 | 141.5       | 1984.01 | .158 | 8.01 | 22.667   |
| 08:14:00 | 141.5       | 1983.85 | .161 | 7.85 | 22.293   |
| 08:14:10 | 141.5       | 1984.07 | .164 | 8.07 | 21.932   |
| 08:14:20 | 141.5       | 1984.03 | .167 | 8.03 | 21.583   |
| 08:14:30 | 141.5       | 1984.03 | .169 | 8.03 | 21.246   |



Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 14/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt   | Dp   | T+Dt/Dt |
|----------|-------------|---------|------|------|---------|
| 08:14:40 | 141.5       | 1984.06 | .172 | 8.06 | 20.919  |
| 08:14:50 | 141.5       | 1983.99 | .175 | 7.99 | 20.603  |
| 08:15:00 | 141.4       | 1984.06 | .178 | 8.06 | 20.297  |
| 08:15:10 | 141.4       | 1984.19 | .181 | 8.19 | 20.000  |
| 08:15:20 | 141.5       | 1984.09 | .183 | 8.09 | 19.712  |
| 08:15:30 | 141.4       | 1984.17 | .186 | 8.17 | 19.433  |
| 08:15:40 | 141.4       | 1984.19 | .189 | 8.19 | 19.162  |
| 08:15:50 | 141.4       | 1984.11 | .192 | 8.11 | 18.899  |
| 08:16:00 | 141.5       | 1984.20 | .194 | 8.20 | 18.643  |
| 08:16:10 | 141.5       | 1984.16 | .197 | 8.16 | 18.394  |
| 08:16:20 | 141.5       | 1984.08 | .200 | 8.08 | 18.153  |
| 08:16:30 | 141.5       | 1984.08 | .203 | 8.08 | 17.918  |
| 08:17:00 | 141.5       | 1984.05 | .211 | 8.05 | 17.250  |
| 08:17:30 | 141.5       | 1984.21 | .219 | 8.21 | 16.633  |
| 08:18:00 | 141.5       | 1984.19 | .228 | 8.19 | 16.061  |
| 08:18:30 | 141.4       | 1984.21 | .236 | 8.21 | 15.529  |
| 08:19:00 | 141.5       | 1984.19 | .244 | 8.19 | 15.034  |
| 08:19:30 | 141.5       | 1984.23 | .253 | 8.23 | 14.571  |
| 08:20:00 | 141.5       | 1984.24 | .261 | 8.24 | 14.138  |
| 08:20:30 | 141.5       | 1984.28 | .269 | 8.28 | 13.732  |
| 08:21:00 | 141.5       | 1984.20 | .278 | 8.20 | 13.350  |
| 08:21:30 | 141.4       | 1984.38 | .286 | 8.38 | 12.990  |
| 08:22:00 | 141.5       | 1984.30 | .294 | 8.30 | 12.651  |
| 08:22:30 | 141.5       | 1984.38 | .303 | 8.38 | 12.330  |
| 08:23:00 | 141.4       | 1984.26 | .311 | 8.26 | 12.027  |
| 08:23:30 | 141.5       | 1984.32 | .319 | 8.32 | 11.739  |
| 08:24:00 | 141.5       | 1984.23 | .328 | 8.23 | 11.466  |
| 08:24:30 | 141.5       | 1984.22 | .336 | 8.22 | 11.207  |
| 08:25:00 | 141.5       | 1984.26 | .344 | 8.26 | 10.960  |
| 08:25:30 | 141.5       | 1984.36 | .353 | 8.36 | 10.724  |
| 08:26:00 | 141.4       | 1984.34 | .361 | 8.34 | 10.500  |
| 08:26:30 | 141.5       | 1984.51 | .369 | 8.51 | 10.286  |
| 08:27:00 | 141.5       | 1984.42 | .378 | 8.42 | 10.081  |
| 08:27:30 | 141.4       | 1984.49 | .386 | 8.49 | 9.885   |
| 08:28:00 | 141.5       | 1984.42 | .394 | 8.42 | 9.697   |
| 08:28:30 | 141.5       | 1984.46 | .403 | 8.46 | 9.517   |
| 08:29:00 | 141.5       | 1984.39 | .411 | 8.39 | 9.345   |
| 08:29:30 | 141.5       | 1984.46 | .419 | 8.46 | 9.179   |
| 08:30:00 | 141.5       | 1984.53 | .428 | 8.53 | 9.019   |
| 08:30:30 | 141.3       | 1980.30 | .436 | 4.30 | 8.866   |
| 08:31:00 | 141.5       | 1979.48 | .444 | 3.48 | 8.719   |
| 08:31:30 | 141.4       | 1979.34 | .453 | 3.34 | 8.577   |
| 08:32:00 | 141.5       | 1978.97 | .461 | 2.97 | 8.440   |
| 08:32:30 | 141.4       | 1978.95 | .469 | 2.95 | 8.308   |
| 08:33:00 | 141.4       | 1979.12 | .478 | 3.12 | 8.180   |
| 08:33:30 | 141.4       | 1979.13 | .486 | 3.13 | 8.057   |
| 08:34:00 | 141.5       | 1979.25 | .494 | 3.25 | 7.938   |
| 08:34:30 | 141.5       | 1979.29 | .503 | 3.29 | 7.823   |
| 08:35:00 | 141.5       | 1979.31 | .511 | 3.31 | 7.712   |
| 08:35:30 | 141.4       | 1979.48 | .519 | 3.48 | 7.604   |
| 08:36:00 | 141.5       | 1979.65 | .528 | 3.65 | 7.500   |
| 08:36:30 | 141.4       | 1979.79 | .536 | 3.79 | 7.399   |
| 08:37:00 | 141.5       | 1980.09 | .544 | 4.09 | 7.301   |
| 08:37:30 | 141.4       | 1980.04 | .553 | 4.04 | 7.206   |
| 08:38:00 | 141.4       | 1980.17 | .561 | 4.17 | 7.114   |
| 08:38:30 | 141.4       | 1980.24 | .569 | 4.24 | 7.024   |
| 08:39:00 | 141.5       | 1980.56 | .578 | 4.56 | 6.937   |
| 08:39:30 | 141.4       | 1980.63 | .586 | 4.63 | 6.853   |
| 08:40:00 | 141.4       | 1980.71 | .594 | 4.71 | 6.771   |
| 08:40:30 | 141.4       | 1980.80 | .603 | 4.80 | 6.691   |

Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 14/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt    | Dp   | T+Dt/Dt |
|----------|-------------|---------|-------|------|---------|
| 08:41:00 | 141.4       | 1980.95 | .611  | 4.95 | 6.614   |
| 08:42:00 | 141.4       | 1980.85 | .628  | 4.85 | 6.465   |
| 08:43:00 | 141.5       | 1980.97 | .644  | 4.97 | 6.323   |
| 08:44:00 | 141.4       | 1981.06 | .661  | 5.06 | 6.189   |
| 08:45:00 | 141.4       | 1981.02 | .678  | 5.02 | 6.061   |
| 08:46:00 | 141.5       | 1980.83 | .694  | 4.83 | 5.940   |
| 08:47:00 | 141.4       | 1981.03 | .711  | 5.03 | 5.824   |
| 08:48:00 | 141.5       | 1980.99 | .728  | 4.99 | 5.714   |
| 08:49:00 | 141.4       | 1980.99 | .744  | 4.99 | 5.608   |
| 08:50:00 | 141.5       | 1981.05 | .761  | 5.05 | 5.507   |
| 08:51:00 | 141.5       | 1981.07 | .778  | 5.07 | 5.411   |
| 08:52:00 | 141.4       | 1981.05 | .794  | 5.05 | 5.318   |
| 08:53:00 | 141.5       | 1980.95 | .811  | 4.95 | 5.229   |
| 08:54:00 | 141.4       | 1980.82 | .828  | 4.82 | 5.144   |
| 08:55:00 | 141.5       | 1980.67 | .844  | 4.67 | 5.062   |
| 08:56:00 | 141.5       | 1980.62 | .861  | 4.62 | 4.984   |
| 08:57:00 | 141.4       | 1980.44 | .878  | 4.44 | 4.908   |
| 08:58:00 | 141.5       | 1980.31 | .894  | 4.31 | 4.835   |
| 08:59:00 | 141.4       | 1980.20 | .911  | 4.20 | 4.765   |
| 09:00:00 | 141.5       | 1980.03 | .928  | 4.03 | 4.698   |
| 09:01:00 | 141.4       | 1979.98 | .944  | 3.98 | 4.632   |
| 09:02:00 | 141.4       | 1979.96 | .961  | 3.96 | 4.569   |
| 09:03:00 | 141.4       | 1979.83 | .978  | 3.83 | 4.509   |
| 09:04:00 | 141.4       | 1979.76 | .994  | 3.76 | 4.450   |
| 09:05:00 | 141.4       | 1979.64 | 1.011 | 3.64 | 4.393   |
| 09:06:00 | 141.4       | 1979.65 | 1.028 | 3.65 | 4.338   |
| 09:07:00 | 141.5       | 1979.65 | 1.044 | 3.65 | 4.285   |
| 09:08:00 | 141.5       | 1979.69 | 1.061 | 3.69 | 4.233   |
| 09:09:00 | 141.4       | 1979.77 | 1.078 | 3.77 | 4.183   |
| 09:10:00 | 141.5       | 1979.81 | 1.094 | 3.81 | 4.135   |
| 09:11:00 | 141.4       | 1979.78 | 1.111 | 3.78 | 4.088   |
| 09:12:00 | 141.4       | 1979.76 | 1.128 | 3.76 | 4.042   |
| 09:13:00 | 141.4       | 1979.73 | 1.144 | 3.73 | 3.998   |
| 09:14:00 | 141.4       | 1979.73 | 1.161 | 3.73 | 3.955   |
| 09:15:00 | 141.4       | 1979.75 | 1.178 | 3.75 | 3.913   |
| 09:16:00 | 141.5       | 1979.71 | 1.194 | 3.71 | 3.872   |
| 09:17:00 | 141.4       | 1979.79 | 1.211 | 3.79 | 3.833   |
| 09:18:00 | 141.4       | 1979.84 | 1.228 | 3.84 | 3.794   |
| 09:19:00 | 141.4       | 1979.94 | 1.244 | 3.94 | 3.757   |
| 09:20:00 | 141.4       | 1979.98 | 1.261 | 3.98 | 3.720   |
| 09:21:00 | 141.4       | 1979.98 | 1.278 | 3.98 | 3.685   |
| 09:22:00 | 141.4       | 1980.06 | 1.294 | 4.06 | 3.650   |
| 09:23:00 | 141.5       | 1980.03 | 1.311 | 4.03 | 3.617   |
| 09:24:00 | 141.4       | 1980.10 | 1.328 | 4.10 | 3.584   |
| 09:25:00 | 141.5       | 1980.11 | 1.344 | 4.11 | 3.552   |
| 09:26:00 | 141.4       | 1980.10 | 1.361 | 4.10 | 3.520   |
| 09:27:00 | 141.4       | 1980.06 | 1.378 | 4.06 | 3.490   |
| 09:28:00 | 141.4       | 1980.06 | 1.394 | 4.06 | 3.460   |
| 09:29:00 | 141.4       | 1980.06 | 1.411 | 4.06 | 3.431   |
| 09:30:00 | 141.4       | 1980.04 | 1.428 | 4.04 | 3.403   |
| 09:31:00 | 141.4       | 1979.97 | 1.444 | 3.97 | 3.375   |
| 09:32:00 | 141.4       | 1979.96 | 1.461 | 3.96 | 3.348   |
| 09:33:00 | 141.4       | 1979.95 | 1.478 | 3.95 | 3.321   |
| 09:34:00 | 141.4       | 1979.90 | 1.494 | 3.90 | 3.296   |
| 09:35:00 | 141.4       | 1979.94 | 1.511 | 3.94 | 3.270   |
| 09:36:00 | 141.5       | 1979.93 | 1.528 | 3.93 | 3.245   |
| 09:37:00 | 141.5       | 1979.92 | 1.544 | 3.92 | 3.221   |
| 09:38:00 | 141.4       | 1979.93 | 1.561 | 3.93 | 3.198   |
| 09:39:00 | 141.4       | 1979.92 | 1.578 | 3.92 | 3.174   |
| 09:40:00 | 141.4       | 1979.94 | 1.594 | 3.94 | 3.152   |

Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 14/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt    | Dp   | T+Dt/Dt |
|----------|-------------|---------|-------|------|---------|
| 09:41:00 | 141.4       | 1979.93 | 1.611 | 3.93 | 3.129   |
| 09:42:00 | 141.4       | 1979.92 | 1.628 | 3.92 | 3.108   |
| 09:43:00 | 141.4       | 1979.83 | 1.644 | 3.83 | 3.086   |
| 09:44:00 | 141.4       | 1979.81 | 1.661 | 3.81 | 3.065   |
| 09:45:00 | 141.4       | 1979.79 | 1.678 | 3.79 | 3.045   |
| 09:46:00 | 141.4       | 1979.77 | 1.694 | 3.77 | 3.025   |
| 09:47:00 | 141.5       | 1979.74 | 1.711 | 3.74 | 3.005   |
| 09:48:00 | 141.4       | 1979.72 | 1.728 | 3.72 | 2.986   |
| 09:49:00 | 141.4       | 1979.70 | 1.744 | 3.70 | 2.967   |
| 09:50:00 | 141.5       | 1979.69 | 1.761 | 3.69 | 2.948   |
| 09:51:00 | 141.4       | 1979.66 | 1.778 | 3.66 | 2.930   |
| 09:52:00 | 141.4       | 1979.60 | 1.794 | 3.60 | 2.912   |
| 09:53:00 | 141.5       | 1979.59 | 1.811 | 3.59 | 2.894   |
| 09:54:00 | 141.4       | 1979.59 | 1.828 | 3.59 | 2.877   |
| 09:55:00 | 141.4       | 1979.57 | 1.844 | 3.57 | 2.860   |
| 09:56:00 | 141.4       | 1979.53 | 1.861 | 3.53 | 2.843   |
| 09:57:00 | 141.4       | 1979.47 | 1.878 | 3.47 | 2.827   |
| 09:58:00 | 141.4       | 1979.47 | 1.894 | 3.47 | 2.811   |
| 09:59:00 | 141.4       | 1979.45 | 1.911 | 3.45 | 2.795   |
| 10:00:00 | 141.4       | 1979.44 | 1.928 | 3.44 | 2.780   |
| 10:01:00 | 141.4       | 1979.40 | 1.944 | 3.40 | 2.764   |
| 10:02:00 | 141.4       | 1979.38 | 1.961 | 3.38 | 2.749   |
| 10:03:00 | 141.4       | 1979.32 | 1.978 | 3.32 | 2.735   |
| 10:04:00 | 141.4       | 1979.29 | 1.994 | 3.29 | 2.720   |
| 10:05:00 | 141.4       | 1979.32 | 2.011 | 3.32 | 2.706   |
| 10:06:00 | 141.5       | 1979.24 | 2.028 | 3.24 | 2.692   |
| 10:07:00 | 141.4       | 1979.20 | 2.044 | 3.20 | 2.678   |
| 10:08:00 | 141.4       | 1979.18 | 2.061 | 3.18 | 2.664   |
| 10:09:00 | 141.4       | 1979.15 | 2.078 | 3.15 | 2.651   |
| 10:10:00 | 141.4       | 1979.17 | 2.094 | 3.17 | 2.638   |
| 10:11:00 | 141.4       | 1979.15 | 2.111 | 3.15 | 2.625   |
| 10:12:00 | 141.4       | 1979.15 | 2.128 | 3.15 | 2.612   |
| 10:13:00 | 141.5       | 1979.10 | 2.144 | 3.10 | 2.600   |
| 10:14:00 | 141.4       | 1979.08 | 2.161 | 3.08 | 2.587   |
| 10:15:00 | 141.4       | 1979.04 | 2.178 | 3.04 | 2.575   |
| 10:16:00 | 141.4       | 1979.00 | 2.194 | 3.00 | 2.563   |
| 10:17:00 | 141.5       | 1978.99 | 2.211 | 2.99 | 2.552   |
| 10:18:00 | 141.4       | 1978.94 | 2.228 | 2.94 | 2.540   |
| 10:19:00 | 141.5       | 1978.93 | 2.244 | 2.93 | 2.528   |
| 10:20:00 | 141.4       | 1978.89 | 2.261 | 2.89 | 2.517   |
| 10:21:00 | 141.4       | 1978.85 | 2.278 | 2.85 | 2.506   |
| 10:22:00 | 141.4       | 1978.84 | 2.294 | 2.84 | 2.495   |
| 10:23:00 | 141.4       | 1978.84 | 2.311 | 2.84 | 2.484   |
| 10:24:00 | 141.5       | 1978.79 | 2.328 | 2.79 | 2.474   |
| 10:25:00 | 141.4       | 1978.80 | 2.344 | 2.80 | 2.463   |
| 10:26:00 | 141.4       | 1978.78 | 2.361 | 2.78 | 2.453   |
| 10:27:00 | 141.4       | 1978.73 | 2.378 | 2.73 | 2.443   |
| 10:28:00 | 141.4       | 1978.71 | 2.394 | 2.71 | 2.433   |
| 10:29:00 | 141.4       | 1978.70 | 2.411 | 2.70 | 2.423   |
| 10:30:00 | 141.4       | 1978.69 | 2.428 | 2.69 | 2.413   |
| 10:31:00 | 141.4       | 1978.65 | 2.444 | 2.65 | 2.403   |
| 10:32:00 | 141.4       | 1978.62 | 2.461 | 2.62 | 2.394   |
| 10:33:00 | 141.4       | 1978.61 | 2.478 | 2.61 | 2.385   |
| 10:34:00 | 141.4       | 1978.58 | 2.494 | 2.58 | 2.375   |
| 10:35:00 | 141.4       | 1978.53 | 2.511 | 2.53 | 2.366   |
| 10:36:00 | 141.4       | 1978.54 | 2.528 | 2.54 | 2.357   |
| 10:37:00 | 141.4       | 1978.52 | 2.544 | 2.52 | 2.348   |
| 10:38:00 | 141.4       | 1978.45 | 2.561 | 2.45 | 2.339   |
| 10:39:00 | 141.4       | 1978.46 | 2.578 | 2.46 | 2.331   |
| 10:40:00 | 141.4       | 1978.49 | 2.594 | 2.49 | 2.322   |

Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 14/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt    | Dp   | T+Dt/Dt |
|----------|-------------|---------|-------|------|---------|
| 10:41:00 | 141.4       | 1978.44 | 2.611 | 2.44 | 2.314   |
| 10:42:00 | 141.4       | 1978.43 | 2.628 | 2.43 | 2.305   |
| 10:43:00 | 141.4       | 1978.43 | 2.644 | 2.43 | 2.297   |
| 10:44:00 | 141.4       | 1978.39 | 2.661 | 2.39 | 2.289   |
| 10:45:00 | 141.4       | 1978.37 | 2.678 | 2.37 | 2.281   |
| 10:46:00 | 141.5       | 1978.33 | 2.694 | 2.33 | 2.273   |
| 10:47:00 | 141.4       | 1978.33 | 2.711 | 2.33 | 2.265   |
| 10:48:00 | 141.4       | 1978.31 | 2.728 | 2.31 | 2.258   |
| 10:49:00 | 141.4       | 1978.28 | 2.744 | 2.28 | 2.250   |
| 10:50:00 | 141.4       | 1978.24 | 2.761 | 2.24 | 2.242   |
| 10:51:00 | 141.4       | 1978.23 | 2.778 | 2.23 | 2.235   |
| 10:52:00 | 141.5       | 1978.22 | 2.794 | 2.22 | 2.228   |
| 10:53:00 | 141.4       | 1978.19 | 2.811 | 2.19 | 2.220   |
| 10:54:00 | 141.4       | 1978.18 | 2.828 | 2.18 | 2.213   |
| 10:55:00 | 141.5       | 1978.14 | 2.844 | 2.14 | 2.206   |
| 10:56:00 | 141.4       | 1978.13 | 2.861 | 2.13 | 2.199   |
| 10:57:00 | 141.4       | 1978.14 | 2.878 | 2.14 | 2.192   |
| 10:58:00 | 141.4       | 1978.09 | 2.894 | 2.09 | 2.185   |
| 10:59:00 | 141.4       | 1978.07 | 2.911 | 2.07 | 2.178   |
| 11:00:00 | 141.5       | 1978.02 | 2.928 | 2.02 | 2.172   |
| 11:01:00 | 141.4       | 1978.02 | 2.944 | 2.02 | 2.165   |
| 11:02:00 | 141.4       | 1978.06 | 2.961 | 2.06 | 2.159   |
| 11:03:00 | 141.4       | 1978.00 | 2.978 | 2.00 | 2.152   |
| 11:04:00 | 141.4       | 1977.95 | 2.994 | 1.95 | 2.146   |
| 11:05:00 | 141.4       | 1977.94 | 3.011 | 1.94 | 2.139   |
| 11:06:00 | 141.4       | 1977.92 | 3.028 | 1.92 | 2.133   |
| 11:07:00 | 141.4       | 1977.90 | 3.044 | 1.90 | 2.127   |
| 11:08:00 | 141.4       | 1977.85 | 3.061 | 1.85 | 2.121   |
| 11:09:00 | 141.4       | 1977.85 | 3.078 | 1.85 | 2.115   |
| 11:10:00 | 141.4       | 1977.83 | 3.094 | 1.83 | 2.109   |
| 11:11:00 | 141.4       | 1977.80 | 3.111 | 1.80 | 2.103   |
| 11:12:00 | 141.4       | 1977.79 | 3.128 | 1.79 | 2.097   |
| 11:13:00 | 141.4       | 1977.77 | 3.144 | 1.77 | 2.091   |
| 11:14:00 | 141.5       | 1977.72 | 3.161 | 1.72 | 2.085   |
| 11:15:00 | 141.5       | 1977.73 | 3.178 | 1.73 | 2.080   |
| 11:16:00 | 141.4       | 1977.73 | 3.194 | 1.73 | 2.074   |
| 11:17:00 | 141.4       | 1977.67 | 3.211 | 1.67 | 2.068   |
| 11:18:00 | 141.4       | 1977.65 | 3.228 | 1.65 | 2.063   |
| 11:19:00 | 141.4       | 1977.67 | 3.244 | 1.67 | 2.057   |
| 11:20:00 | 141.4       | 1977.64 | 3.261 | 1.64 | 2.052   |
| 11:21:00 | 141.4       | 1977.63 | 3.278 | 1.63 | 2.047   |
| 11:22:00 | 141.4       | 1977.65 | 3.294 | 1.65 | 2.041   |
| 11:23:00 | 141.4       | 1977.63 | 3.311 | 1.63 | 2.036   |
| 11:24:00 | 141.4       | 1977.58 | 3.328 | 1.58 | 2.031   |
| 11:25:00 | 141.4       | 1977.57 | 3.344 | 1.57 | 2.026   |
| 11:26:00 | 141.5       | 1977.57 | 3.361 | 1.57 | 2.021   |
| 11:27:00 | 141.4       | 1977.57 | 3.378 | 1.57 | 2.016   |
| 11:28:00 | 141.4       | 1977.56 | 3.394 | 1.56 | 2.011   |
| 11:29:00 | 141.4       | 1977.54 | 3.411 | 1.54 | 2.006   |
| 11:29:50 | 141.4       | 1977.54 | 3.425 | 1.54 | 2.002   |
| 11:30:00 | 141.4       | 1977.52 | 3.428 | 1.52 | 2.001   |
| 11:30:10 | 141.4       | 1977.52 | 3.431 | 1.52 | 2.000   |

GO INTERNATIONAL AUSTRALIA

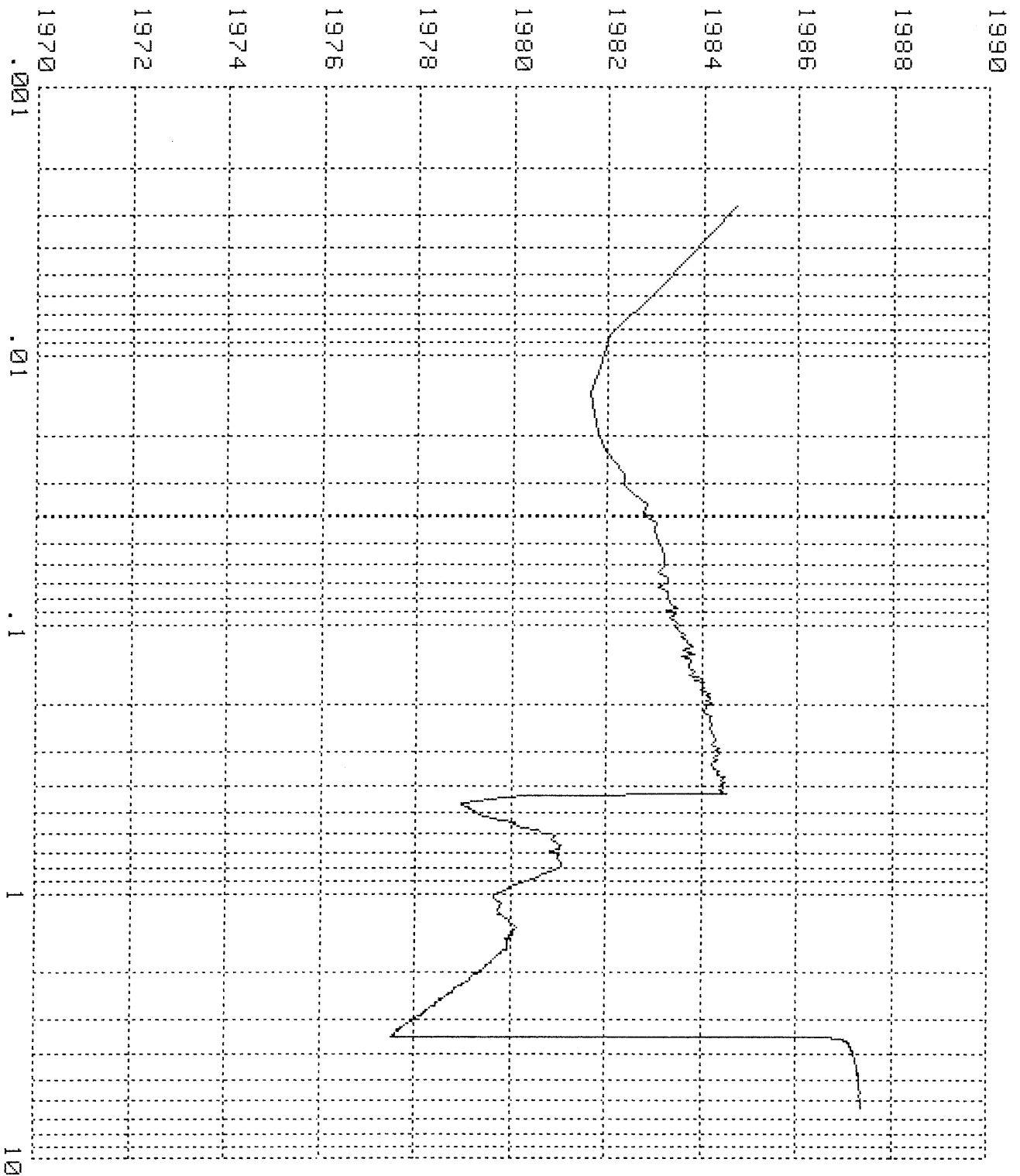
LINEAR PRESSURE VS. LOG TIME

BEACH PETROLEUM NORTH PARATTIE #2 18/64 CHOKE

Start of plot: 08:04:20 Date: 14/03/81

Finish of plot : 14:30:00 Date: 14/03/81

\*\*\*\*\* Pressure (PSIA) \*\*\*\*\*

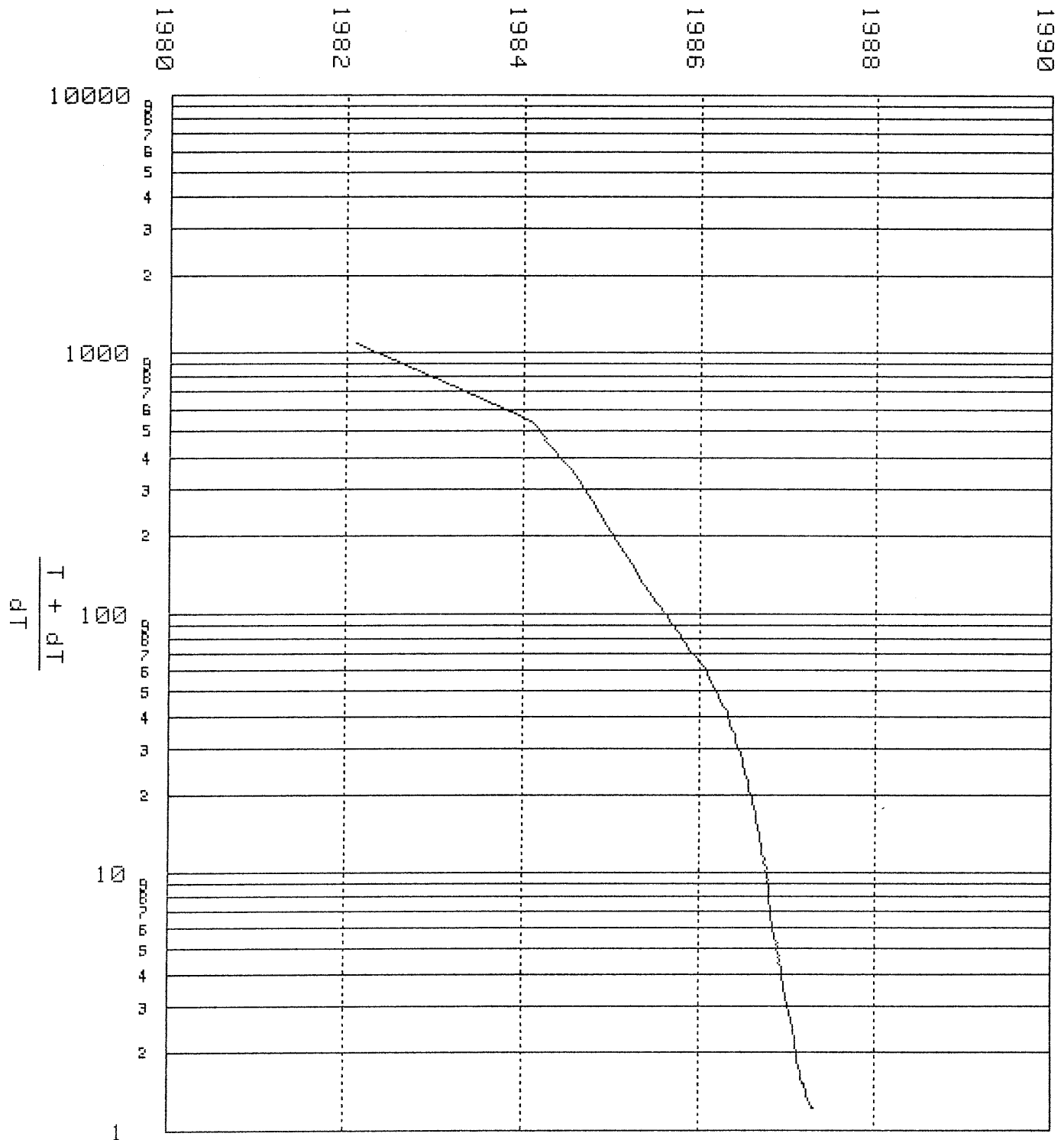


\*\*\*\*\* DT (Hours) \*\*\*\*\*

GO INTERNATIONAL AUSTRALIA - HORNER PLOT  
 BEACH PETROLEUM NORTH PAARATTIE #2 22/64 CHOKE  
 Time well flowed:14:30:10 Date: 14/03/81  
 Time well shut in:17:30:10 Date: 14/03/81  
 Time build-up completed:08:00:10 Date:15/03/81

BU #2

Pressure (PSIA)



Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 14/03/81

Tool Positioned at a depth of: 1468

BJ #2

| Time     | Temperature | PSIA    | Dt   | Dp    | T+Dt/Dt  |
|----------|-------------|---------|------|-------|----------|
| 17:30:20 | 141.5       | 1982.09 | .003 | 15.31 | 1081.000 |
| 17:30:30 | 141.7       | 1984.09 | .006 | 17.31 | 541.000  |
| 17:30:40 | 141.8       | 1984.55 | .008 | 17.77 | 361.000  |
| 17:30:50 | 141.8       | 1984.78 | .011 | 18.00 | 271.000  |
| 17:31:00 | 141.8       | 1984.96 | .014 | 18.18 | 217.000  |
| 17:31:10 | 141.9       | 1985.11 | .017 | 18.33 | 181.000  |
| 17:31:20 | 141.9       | 1985.24 | .019 | 18.46 | 155.286  |
| 17:31:30 | 141.8       | 1985.32 | .022 | 18.54 | 136.000  |
| 17:31:40 | 141.8       | 1985.42 | .025 | 18.64 | 121.000  |
| 17:31:50 | 141.7       | 1985.52 | .028 | 18.74 | 109.000  |
| 17:32:00 | 141.7       | 1985.62 | .031 | 18.84 | 99.182   |
| 17:32:10 | 141.7       | 1985.68 | .033 | 18.90 | 91.000   |
| 17:32:20 | 141.8       | 1985.76 | .036 | 18.98 | 84.077   |
| 17:32:30 | 141.7       | 1985.83 | .039 | 19.05 | 78.143   |
| 17:32:40 | 141.6       | 1985.88 | .042 | 19.10 | 73.000   |
| 17:32:50 | 141.6       | 1985.95 | .044 | 19.17 | 68.500   |
| 17:33:00 | 141.7       | 1986.01 | .047 | 19.23 | 64.529   |
| 17:33:10 | 141.7       | 1986.06 | .050 | 19.28 | 61.000   |
| 17:33:20 | 141.6       | 1986.09 | .053 | 19.31 | 57.842   |
| 17:33:30 | 141.6       | 1986.13 | .056 | 19.35 | 55.000   |
| 17:33:40 | 141.6       | 1986.16 | .058 | 19.38 | 52.429   |
| 17:33:50 | 141.6       | 1986.19 | .061 | 19.41 | 50.091   |
| 17:34:00 | 141.6       | 1986.22 | .064 | 19.44 | 47.957   |
| 17:34:10 | 141.6       | 1986.25 | .067 | 19.47 | 46.000   |
| 17:34:20 | 141.6       | 1986.27 | .069 | 19.49 | 44.200   |
| 17:34:30 | 141.6       | 1986.30 | .072 | 19.52 | 42.538   |
| 17:34:40 | 141.6       | 1986.32 | .075 | 19.54 | 41.000   |
| 17:34:50 | 141.6       | 1986.33 | .078 | 19.55 | 39.571   |
| 17:35:00 | 141.5       | 1986.35 | .081 | 19.57 | 38.241   |
| 17:35:10 | 141.6       | 1986.36 | .083 | 19.58 | 37.000   |
| 17:35:20 | 141.5       | 1986.38 | .086 | 19.60 | 35.839   |
| 17:35:30 | 141.6       | 1986.39 | .089 | 19.61 | 34.750   |
| 17:35:40 | 141.6       | 1986.41 | .092 | 19.63 | 33.727   |
| 17:35:50 | 141.6       | 1986.42 | .094 | 19.64 | 32.765   |
| 17:36:00 | 141.5       | 1986.41 | .097 | 19.63 | 31.857   |
| 17:36:10 | 141.6       | 1986.44 | .100 | 19.66 | 31.000   |
| 17:36:20 | 141.5       | 1986.43 | .103 | 19.65 | 30.189   |
| 17:36:30 | 141.5       | 1986.46 | .106 | 19.68 | 29.421   |
| 17:36:40 | 141.5       | 1986.47 | .108 | 19.69 | 28.692   |
| 17:36:50 | 141.5       | 1986.47 | .111 | 19.69 | 28.000   |
| 17:37:00 | 141.5       | 1986.49 | .114 | 19.71 | 27.341   |
| 17:37:10 | 141.4       | 1986.51 | .117 | 19.73 | 26.714   |
| 17:37:20 | 141.5       | 1986.50 | .119 | 19.72 | 26.116   |
| 17:37:30 | 141.5       | 1986.51 | .122 | 19.73 | 25.545   |
| 17:37:40 | 141.4       | 1986.52 | .125 | 19.74 | 25.000   |
| 17:37:50 | 141.5       | 1986.53 | .128 | 19.75 | 24.478   |
| 17:38:00 | 141.5       | 1986.53 | .131 | 19.75 | 23.979   |
| 17:38:10 | 141.4       | 1986.55 | .133 | 19.77 | 23.500   |
| 17:38:20 | 141.5       | 1986.55 | .136 | 19.77 | 23.041   |
| 17:38:30 | 141.5       | 1986.56 | .139 | 19.78 | 22.600   |
| 17:38:40 | 141.5       | 1986.56 | .142 | 19.78 | 22.176   |
| 17:38:50 | 141.5       | 1986.57 | .144 | 19.79 | 21.769   |
| 17:39:00 | 141.5       | 1986.57 | .147 | 19.79 | 21.377   |
| 17:39:10 | 141.5       | 1986.57 | .150 | 19.79 | 21.000   |
| 17:39:20 | 141.4       | 1986.57 | .153 | 19.79 | 20.636   |
| 17:39:30 | 141.5       | 1986.59 | .156 | 19.81 | 20.286   |
| 17:39:40 | 141.4       | 1986.59 | .158 | 19.81 | 19.947   |
| 17:39:50 | 141.4       | 1986.60 | .161 | 19.82 | 19.621   |
| 17:40:00 | 141.4       | 1986.60 | .164 | 19.82 | 19.305   |
| 17:40:30 | 141.5       | 1986.61 | .172 | 19.83 | 18.419   |
| 17:41:00 | 141.4       | 1986.63 | .181 | 19.85 | 17.615   |

Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 14/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt   | Dp    | T+Dt/Dt |
|----------|-------------|---------|------|-------|---------|
| 17:41:30 | 141.4       | 1986.64 | .189 | 19.86 | 16.882  |
| 17:42:00 | 141.5       | 1986.65 | .197 | 19.87 | 16.211  |
| 17:42:30 | 141.4       | 1986.66 | .206 | 19.88 | 15.595  |
| 17:43:00 | 141.5       | 1986.67 | .214 | 19.89 | 15.026  |
| 17:43:30 | 141.5       | 1986.68 | .222 | 19.90 | 14.500  |
| 17:44:00 | 141.4       | 1986.69 | .231 | 19.91 | 14.012  |
| 17:44:30 | 141.4       | 1986.70 | .239 | 19.92 | 13.558  |
| 17:45:00 | 141.5       | 1986.70 | .247 | 19.92 | 13.135  |
| 17:45:30 | 141.4       | 1986.72 | .256 | 19.94 | 12.739  |
| 17:46:00 | 141.4       | 1986.72 | .264 | 19.94 | 12.368  |
| 17:46:30 | 141.5       | 1986.72 | .272 | 19.94 | 12.020  |
| 17:47:00 | 141.4       | 1986.72 | .281 | 19.94 | 11.693  |
| 17:47:30 | 141.4       | 1986.75 | .289 | 19.97 | 11.385  |
| 17:48:00 | 141.4       | 1986.75 | .297 | 19.97 | 11.093  |
| 17:48:30 | 141.5       | 1986.74 | .306 | 19.96 | 10.818  |
| 17:49:00 | 141.4       | 1986.75 | .314 | 19.97 | 10.558  |
| 17:49:30 | 141.4       | 1986.77 | .322 | 19.99 | 10.310  |
| 17:50:00 | 141.4       | 1986.75 | .331 | 19.97 | 10.076  |
| 17:50:30 | 141.4       | 1986.77 | .339 | 19.99 | 9.852   |
| 17:51:00 | 141.4       | 1986.77 | .347 | 19.99 | 9.640   |
| 17:51:30 | 141.4       | 1986.78 | .356 | 20.00 | 9.438   |
| 17:52:00 | 141.4       | 1986.79 | .364 | 20.01 | 9.244   |
| 17:52:30 | 141.4       | 1986.77 | .372 | 19.99 | 9.060   |
| 17:53:00 | 141.4       | 1986.79 | .381 | 20.01 | 8.883   |
| 17:53:30 | 141.4       | 1986.79 | .389 | 20.01 | 8.714   |
| 17:54:00 | 141.4       | 1986.79 | .397 | 20.01 | 8.552   |
| 17:54:30 | 141.4       | 1986.79 | .406 | 20.01 | 8.397   |
| 17:55:00 | 141.4       | 1986.79 | .414 | 20.01 | 8.248   |
| 17:56:00 | 141.4       | 1986.80 | .431 | 20.02 | 7.968   |
| 17:57:00 | 141.4       | 1986.80 | .447 | 20.02 | 7.708   |
| 17:58:00 | 141.3       | 1986.80 | .464 | 20.02 | 7.467   |
| 17:59:00 | 141.3       | 1986.82 | .481 | 20.04 | 7.243   |
| 18:00:00 | 141.3       | 1986.82 | .497 | 20.04 | 7.034   |
| 18:01:00 | 141.4       | 1986.82 | .514 | 20.04 | 6.838   |
| 18:02:00 | 141.4       | 1986.83 | .531 | 20.05 | 6.654   |
| 18:03:00 | 141.4       | 1986.83 | .547 | 20.05 | 6.482   |
| 18:04:00 | 141.4       | 1986.84 | .564 | 20.06 | 6.320   |
| 18:05:00 | 141.4       | 1986.85 | .581 | 20.07 | 6.167   |
| 18:06:00 | 141.3       | 1986.86 | .597 | 20.08 | 6.023   |
| 18:07:00 | 141.4       | 1986.85 | .614 | 20.07 | 5.887   |
| 18:08:00 | 141.4       | 1986.86 | .631 | 20.08 | 5.758   |
| 18:09:00 | 141.4       | 1986.86 | .647 | 20.08 | 5.635   |
| 18:10:00 | 141.4       | 1986.87 | .664 | 20.09 | 5.519   |
| 18:11:00 | 141.4       | 1986.88 | .681 | 20.10 | 5.408   |
| 18:12:00 | 141.4       | 1986.90 | .697 | 20.12 | 5.303   |
| 18:13:00 | 141.4       | 1986.89 | .714 | 20.11 | 5.202   |
| 18:14:00 | 141.4       | 1986.90 | .731 | 20.12 | 5.106   |
| 18:15:00 | 141.4       | 1986.90 | .747 | 20.12 | 5.015   |
| 18:16:00 | 141.3       | 1986.89 | .764 | 20.11 | 4.927   |
| 18:17:00 | 141.4       | 1986.90 | .781 | 20.12 | 4.843   |
| 18:18:00 | 141.3       | 1986.91 | .797 | 20.13 | 4.763   |
| 18:19:00 | 141.4       | 1986.92 | .814 | 20.14 | 4.686   |
| 18:20:00 | 141.3       | 1986.90 | .831 | 20.12 | 4.612   |
| 18:21:00 | 141.4       | 1986.92 | .847 | 20.14 | 4.541   |
| 18:22:00 | 141.4       | 1986.92 | .864 | 20.14 | 4.473   |
| 18:23:00 | 141.3       | 1986.91 | .881 | 20.13 | 4.407   |
| 18:24:00 | 141.3       | 1986.93 | .897 | 20.15 | 4.344   |
| 18:25:00 | 141.4       | 1986.94 | .914 | 20.16 | 4.283   |
| 18:26:00 | 141.4       | 1986.94 | .931 | 20.16 | 4.224   |
| 18:27:00 | 141.4       | 1986.94 | .947 | 20.16 | 4.167   |



Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 14/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt     | Dp    | T+Dt/Dt |
|----------|-------------|---------|--------|-------|---------|
| 18:28:00 | 141.4       | 1986.94 | .964   | 20.16 | 4.112   |
| 18:29:00 | 141.4       | 1986.95 | .981   | 20.17 | 4.059   |
| 18:30:00 | 141.4       | 1986.95 | .997   | 20.17 | 4.008   |
| 18:40:00 | 141.4       | 1986.98 | 1.164  | 20.20 | 3.578   |
| 18:50:00 | 141.4       | 1987.00 | 1.331  | 20.22 | 3.255   |
| 19:00:00 | 141.4       | 1987.02 | 1.497  | 20.24 | 3.004   |
| 19:10:00 | 141.4       | 1987.04 | 1.664  | 20.26 | 2.803   |
| 19:20:00 | 141.5       | 1987.05 | 1.831  | 20.27 | 2.639   |
| 19:30:00 | 141.4       | 1987.07 | 1.997  | 20.29 | 2.502   |
| 19:40:00 | 141.4       | 1987.08 | 2.164  | 20.30 | 2.386   |
| 19:50:00 | 141.4       | 1987.10 | 2.331  | 20.32 | 2.287   |
| 20:00:00 | 141.4       | 1987.10 | 2.497  | 20.32 | 2.201   |
| 20:10:00 | 141.4       | 1987.10 | 2.664  | 20.32 | 2.126   |
| 20:20:00 | 141.4       | 1987.10 | 2.831  | 20.32 | 2.060   |
| 20:30:00 | 141.4       | 1987.12 | 2.997  | 20.34 | 2.001   |
| 20:40:00 | 141.4       | 1987.12 | 3.164  | 20.34 | 1.948   |
| 20:50:00 | 141.4       | 1987.13 | 3.331  | 20.35 | 1.901   |
| 21:00:00 | 141.4       | 1987.13 | 3.497  | 20.35 | 1.858   |
| 21:10:00 | 141.3       | 1987.13 | 3.664  | 20.35 | 1.819   |
| 21:20:00 | 141.4       | 1987.15 | 3.831  | 20.37 | 1.783   |
| 21:30:00 | 141.4       | 1987.15 | 3.997  | 20.37 | 1.751   |
| 22:00:00 | 141.4       | 1987.17 | 4.497  | 20.39 | 1.667   |
| 22:30:00 | 141.3       | 1987.17 | 4.997  | 20.39 | 1.600   |
| 23:00:00 | 141.3       | 1987.17 | 5.497  | 20.39 | 1.546   |
| 23:30:00 | 141.4       | 1987.20 | 5.997  | 20.42 | 1.500   |
| 23:36:10 | 141.4       | 1987.19 | 6.100  | 20.41 | 1.492   |
| 23:36:20 | 141.4       | 1987.20 | 6.103  | 20.42 | 1.492   |
| 15/03/81 |             |         |        |       |         |
| 00:00:00 | 141.4       | 1987.21 | 6.497  | 20.43 | 1.462   |
| 00:30:00 | 141.4       | 1987.23 | 6.997  | 20.45 | 1.429   |
| 01:00:00 | 141.4       | 1987.23 | 7.497  | 20.45 | 1.400   |
| 01:30:00 | 141.4       | 1987.23 | 7.997  | 20.45 | 1.375   |
| 02:00:00 | 141.4       | 1987.23 | 8.497  | 20.45 | 1.353   |
| 02:30:00 | 141.4       | 1987.23 | 8.997  | 20.45 | 1.333   |
| 03:00:00 | 141.4       | 1987.26 | 9.497  | 20.48 | 1.316   |
| 03:30:00 | 141.3       | 1987.25 | 9.997  | 20.47 | 1.300   |
| 04:00:00 | 141.4       | 1987.25 | 10.497 | 20.47 | 1.286   |
| 04:30:00 | 141.4       | 1987.27 | 10.997 | 20.49 | 1.273   |
| 05:00:00 | 141.4       | 1987.27 | 11.497 | 20.49 | 1.261   |
| 05:30:00 | 141.4       | 1987.27 | 11.997 | 20.49 | 1.250   |
| 06:00:00 | 141.4       | 1987.29 | 12.497 | 20.51 | 1.240   |
| 06:30:00 | 141.4       | 1987.29 | 12.997 | 20.51 | 1.231   |
| 07:00:00 | 141.4       | 1987.29 | 13.497 | 20.51 | 1.222   |
| 07:30:00 | 141.4       | 1987.29 | 13.997 | 20.51 | 1.214   |
| 07:59:40 | 141.4       | 1987.30 | 14.492 | 20.52 | 1.207   |
| 07:59:50 | 141.4       | 1987.30 | 14.494 | 20.52 | 1.207   |
| 08:00:00 | 141.4       | 1987.31 | 14.497 | 20.53 | 1.207   |
| 08:00:10 | 141.4       | 1987.31 | 14.500 | 20.53 | 1.207   |

GO INTERNATIONAL AUSTRALIA

dP/dT PLOT

Build-up

BEACH PETROLEUM

NORTH PARRATTIE #2

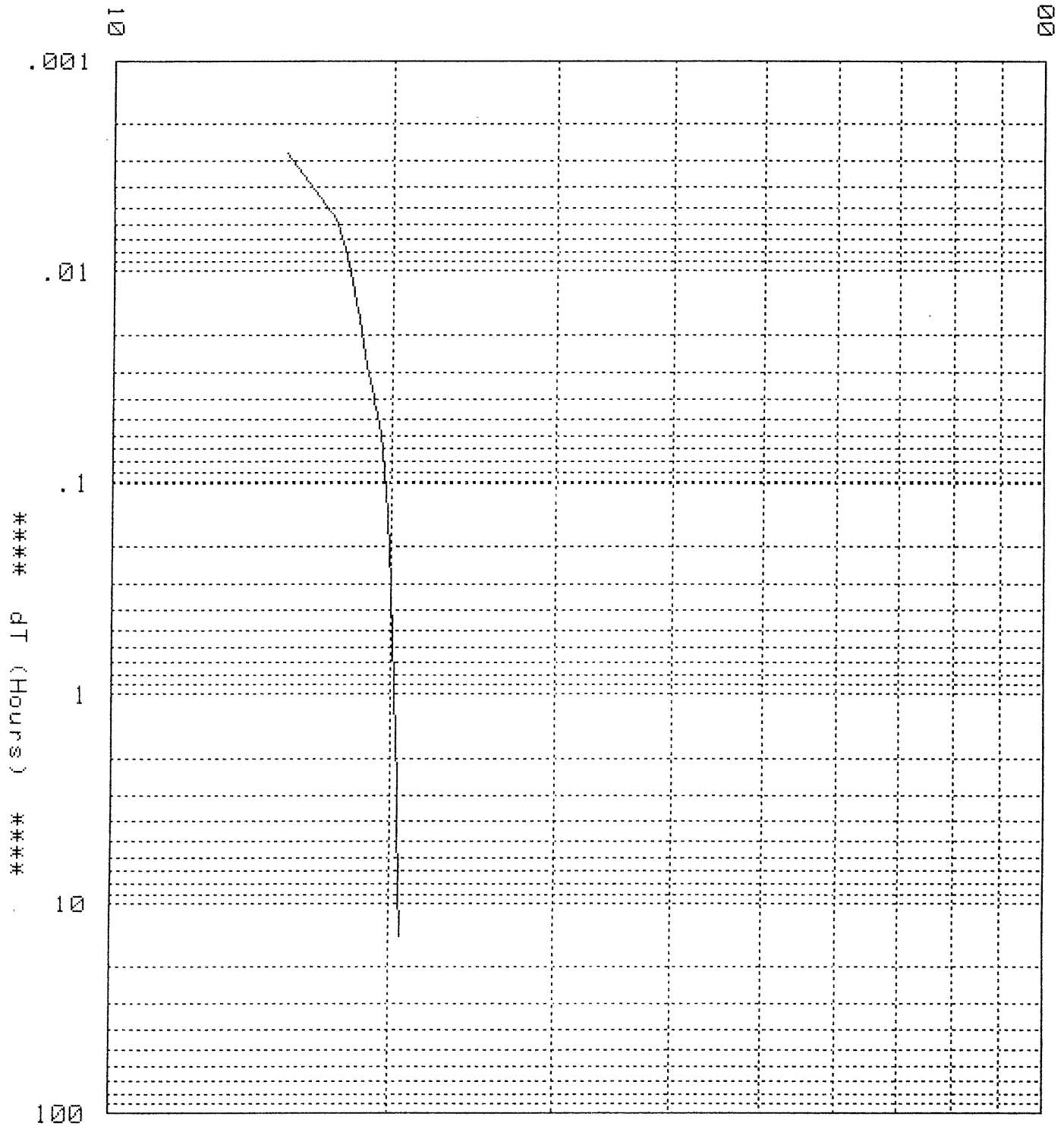
22/64 CHOKE

Time well flowed: 14:30:10 Date: 14/03/81

Time well shut in: 17:30:10 Date: 14/03/81

Time build-up completed: 08:00:10 Date: 15/03/81

\*\*\*\*\* dP (PSIA) \*\*\*\*\*



GO INTERNATIONAL AUSTRALIA

dP/dT PLOT

Drawdown

BEACH PETROLEUM

NORTH PARATTIE #2

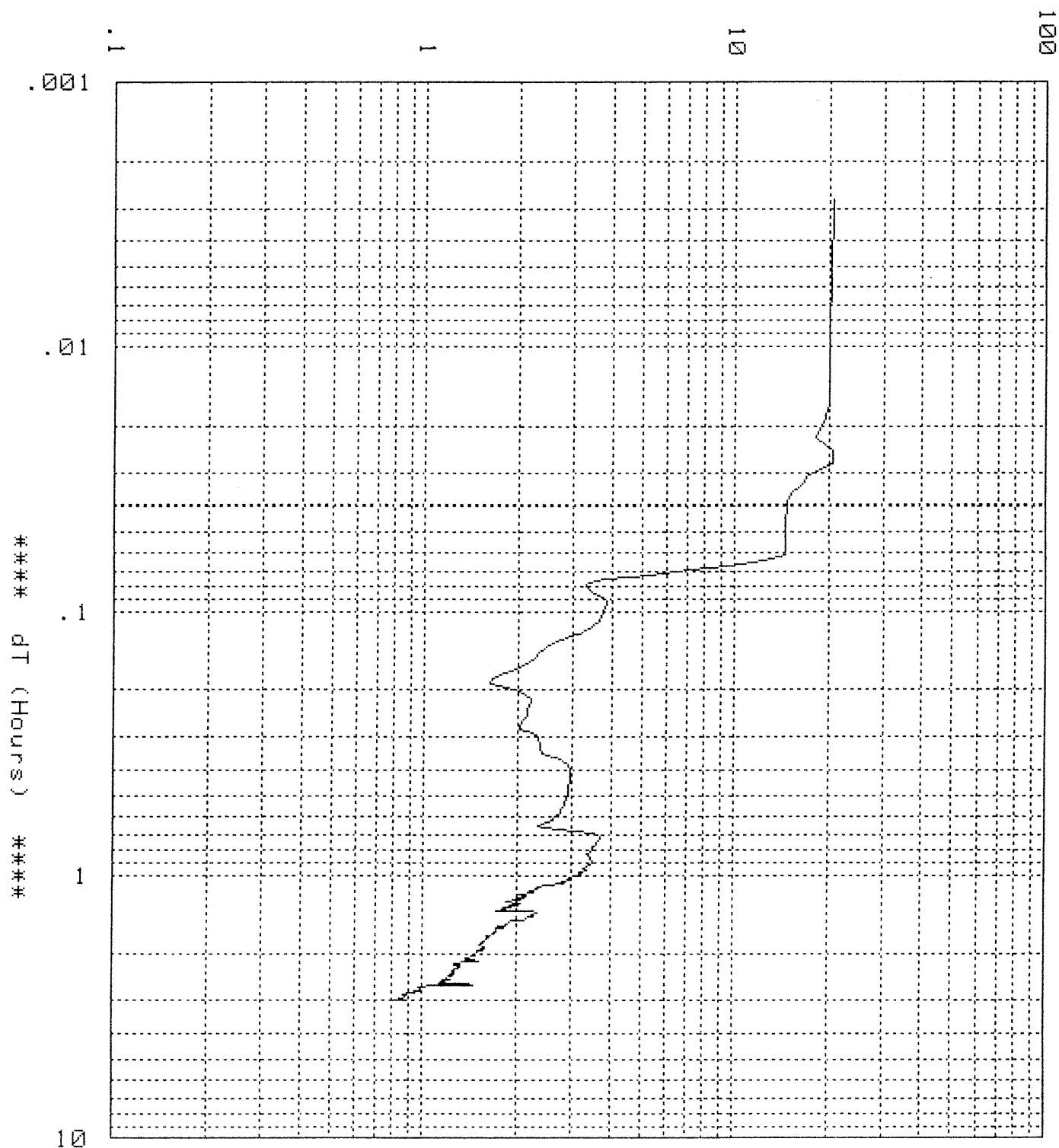
22/64 CHOKE

Time well flowed: 14:30:10 Date: 14/03/81

Time well shut in: 17:30:10 Date: 14/03/81

Time build-up completed: 08:00:10 Date: 15/03/81

\*\*\*\*\* dP (PSIA) \*\*\*\*\*



Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 14/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt   | Dp    | T+Dt/Dt  |
|----------|-------------|---------|------|-------|----------|
| 14:30:20 | 141.5       | 1986.74 | .003 | 20.74 | 1081.000 |
| 14:30:30 | 141.5       | 1986.21 | .006 | 20.21 | 541.000  |
| 14:30:40 | 141.5       | 1986.16 | .008 | 20.16 | 361.000  |
| 14:30:50 | 141.4       | 1986.15 | .011 | 20.15 | 271.000  |
| 14:31:00 | 141.4       | 1986.11 | .014 | 20.11 | 217.000  |
| 14:31:10 | 141.4       | 1986.11 | .017 | 20.11 | 181.000  |
| 14:31:20 | 141.4       | 1985.31 | .019 | 19.31 | 155.286  |
| 14:31:30 | 141.4       | 1984.06 | .022 | 18.06 | 136.000  |
| 14:31:40 | 141.4       | 1986.71 | .025 | 20.71 | 121.000  |
| 14:31:50 | 141.5       | 1986.72 | .028 | 20.72 | 109.000  |
| 14:32:00 | 141.4       | 1983.30 | .031 | 17.30 | 99.182   |
| 14:32:10 | 141.3       | 1982.53 | .033 | 16.53 | 91.000   |
| 14:32:20 | 141.3       | 1981.19 | .036 | 15.19 | 84.077   |
| 14:32:30 | 141.4       | 1980.82 | .039 | 14.82 | 78.143   |
| 14:32:40 | 141.4       | 1980.68 | .042 | 14.68 | 73.000   |
| 14:32:50 | 141.4       | 1980.57 | .044 | 14.57 | 68.500   |
| 14:33:00 | 141.4       | 1980.53 | .047 | 14.53 | 64.529   |
| 14:33:10 | 141.4       | 1980.50 | .050 | 14.50 | 61.000   |
| 14:33:20 | 141.5       | 1980.50 | .053 | 14.50 | 57.842   |
| 14:33:30 | 141.4       | 1980.50 | .056 | 14.50 | 55.000   |
| 14:33:40 | 141.4       | 1980.50 | .058 | 14.50 | 52.429   |
| 14:33:50 | 141.4       | 1980.50 | .061 | 14.50 | 50.091   |
| 14:34:00 | 141.4       | 1978.29 | .064 | 12.29 | 47.957   |
| 14:34:10 | 141.3       | 1975.62 | .067 | 9.62  | 46.000   |
| 14:34:20 | 141.2       | 1973.10 | .069 | 7.10  | 44.200   |
| 14:34:30 | 141.3       | 1971.31 | .072 | 5.31  | 42.538   |
| 14:34:40 | 141.3       | 1969.79 | .075 | 3.79  | 41.000   |
| 14:34:50 | 141.3       | 1969.35 | .078 | 3.35  | 39.571   |
| 14:35:00 | 141.3       | 1969.29 | .081 | 3.29  | 38.241   |
| 14:35:10 | 141.4       | 1969.43 | .083 | 3.43  | 37.000   |
| 14:35:20 | 141.4       | 1969.63 | .086 | 3.63  | 35.839   |
| 14:35:30 | 141.3       | 1969.74 | .089 | 3.74  | 34.750   |
| 14:35:40 | 141.4       | 1969.85 | .092 | 3.85  | 33.727   |
| 14:35:50 | 141.4       | 1969.86 | .094 | 3.86  | 32.765   |
| 14:36:00 | 141.3       | 1969.82 | .097 | 3.82  | 31.857   |
| 14:36:10 | 141.3       | 1969.75 | .100 | 3.75  | 31.000   |
| 14:36:20 | 141.4       | 1969.74 | .103 | 3.74  | 30.189   |
| 14:36:30 | 141.3       | 1969.69 | .106 | 3.69  | 29.421   |
| 14:36:40 | 141.4       | 1969.63 | .108 | 3.63  | 28.692   |
| 14:36:50 | 141.3       | 1969.56 | .111 | 3.56  | 28.000   |
| 14:37:00 | 141.3       | 1969.44 | .114 | 3.44  | 27.341   |
| 14:37:10 | 141.3       | 1969.35 | .117 | 3.35  | 26.714   |
| 14:37:20 | 141.3       | 1969.22 | .119 | 3.22  | 26.116   |
| 14:37:30 | 141.2       | 1969.13 | .122 | 3.13  | 25.545   |
| 14:37:40 | 141.3       | 1968.92 | .125 | 2.92  | 25.000   |
| 14:37:50 | 141.3       | 1968.76 | .128 | 2.76  | 24.478   |
| 14:38:00 | 141.2       | 1968.64 | .131 | 2.64  | 23.979   |
| 14:38:10 | 141.3       | 1968.56 | .133 | 2.56  | 23.500   |
| 14:38:20 | 141.3       | 1968.48 | .136 | 2.48  | 23.041   |
| 14:38:30 | 141.3       | 1968.43 | .139 | 2.43  | 22.600   |
| 14:38:40 | 141.3       | 1968.38 | .142 | 2.38  | 22.176   |
| 14:38:50 | 141.3       | 1968.32 | .144 | 2.32  | 21.769   |
| 14:39:00 | 141.3       | 1968.30 | .147 | 2.30  | 21.377   |
| 14:39:30 | 141.3       | 1968.18 | .156 | 2.18  | 20.286   |
| 14:40:00 | 141.3       | 1968.02 | .164 | 2.02  | 19.305   |
| 14:40:30 | 141.2       | 1967.81 | .172 | 1.81  | 18.419   |
| 14:41:00 | 141.2       | 1967.64 | .181 | 1.64  | 17.615   |
| 14:41:30 | 141.2       | 1967.63 | .189 | 1.63  | 16.882   |
| 14:42:00 | 141.2       | 1967.95 | .197 | 1.95  | 16.211   |
| 14:42:30 | 141.2       | 1968.09 | .206 | 2.09  | 15.595   |
| 14:43:00 | 141.3       | 1968.20 | .214 | 2.20  | 15.026   |

Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 14/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt    | Dp   | T+Dt/Dt |
|----------|-------------|---------|-------|------|---------|
| 14:43:30 | 141.2       | 1968.21 | .222  | 2.21 | 14.500  |
| 14:44:00 | 141.2       | 1968.17 | .231  | 2.17 | 14.012  |
| 14:44:30 | 141.2       | 1968.14 | .239  | 2.14 | 13.558  |
| 14:45:00 | 141.2       | 1968.14 | .247  | 2.14 | 13.135  |
| 14:45:30 | 141.3       | 1968.09 | .256  | 2.09 | 12.739  |
| 14:46:00 | 141.2       | 1968.05 | .264  | 2.05 | 12.368  |
| 14:46:30 | 141.2       | 1968.01 | .272  | 2.01 | 12.020  |
| 14:47:00 | 141.2       | 1968.04 | .281  | 2.04 | 11.693  |
| 14:47:30 | 141.3       | 1968.24 | .289  | 2.24 | 11.385  |
| 14:48:00 | 141.2       | 1968.33 | .297  | 2.33 | 11.093  |
| 14:48:30 | 141.2       | 1968.33 | .306  | 2.33 | 10.818  |
| 14:49:00 | 141.3       | 1968.37 | .314  | 2.37 | 10.558  |
| 14:49:30 | 141.3       | 1968.36 | .322  | 2.36 | 10.310  |
| 14:50:00 | 141.2       | 1968.36 | .331  | 2.36 | 10.076  |
| 14:51:00 | 141.2       | 1968.40 | .347  | 2.40 | 9.640   |
| 14:52:00 | 141.2       | 1968.74 | .364  | 2.74 | 9.244   |
| 14:53:00 | 141.2       | 1968.90 | .381  | 2.90 | 8.883   |
| 14:54:00 | 141.3       | 1968.96 | .397  | 2.96 | 8.552   |
| 14:55:00 | 141.2       | 1968.97 | .414  | 2.97 | 8.248   |
| 14:56:00 | 141.2       | 1968.95 | .431  | 2.95 | 7.968   |
| 14:57:00 | 141.3       | 1968.96 | .447  | 2.96 | 7.708   |
| 14:58:00 | 141.2       | 1968.90 | .464  | 2.90 | 7.467   |
| 14:59:00 | 141.3       | 1968.93 | .481  | 2.93 | 7.243   |
| 15:00:00 | 141.2       | 1968.90 | .497  | 2.90 | 7.034   |
| 15:01:00 | 141.2       | 1968.87 | .514  | 2.87 | 6.838   |
| 15:02:00 | 141.2       | 1968.85 | .531  | 2.85 | 6.654   |
| 15:03:00 | 141.3       | 1968.84 | .547  | 2.84 | 6.482   |
| 15:04:00 | 141.3       | 1968.77 | .564  | 2.77 | 6.320   |
| 15:05:00 | 141.3       | 1968.74 | .581  | 2.74 | 6.167   |
| 15:06:00 | 141.2       | 1968.66 | .597  | 2.66 | 6.023   |
| 15:07:00 | 141.2       | 1968.60 | .614  | 2.60 | 5.887   |
| 15:08:00 | 141.2       | 1968.45 | .631  | 2.45 | 5.758   |
| 15:09:00 | 141.2       | 1968.33 | .647  | 2.33 | 5.635   |
| 15:10:00 | 141.2       | 1968.48 | .664  | 2.48 | 5.519   |
| 15:11:00 | 141.2       | 1969.10 | .681  | 3.10 | 5.408   |
| 15:12:00 | 141.2       | 1969.53 | .697  | 3.53 | 5.303   |
| 15:13:00 | 141.2       | 1969.69 | .714  | 3.69 | 5.202   |
| 15:14:00 | 141.3       | 1969.68 | .731  | 3.68 | 5.106   |
| 15:15:00 | 141.2       | 1969.61 | .747  | 3.61 | 5.015   |
| 15:16:00 | 141.3       | 1969.58 | .764  | 3.58 | 4.927   |
| 15:17:00 | 141.2       | 1969.50 | .781  | 3.50 | 4.843   |
| 15:18:00 | 141.2       | 1969.49 | .797  | 3.49 | 4.763   |
| 15:19:00 | 141.3       | 1969.44 | .814  | 3.44 | 4.686   |
| 15:20:00 | 141.2       | 1969.36 | .831  | 3.36 | 4.612   |
| 15:21:00 | 141.3       | 1969.40 | .847  | 3.40 | 4.541   |
| 15:22:00 | 141.3       | 1969.46 | .864  | 3.46 | 4.473   |
| 15:23:00 | 141.3       | 1969.51 | .881  | 3.51 | 4.407   |
| 15:24:00 | 141.3       | 1969.48 | .897  | 3.48 | 4.344   |
| 15:25:00 | 141.3       | 1969.41 | .914  | 3.41 | 4.283   |
| 15:26:00 | 141.3       | 1969.37 | .931  | 3.37 | 4.224   |
| 15:27:00 | 141.3       | 1969.25 | .947  | 3.25 | 4.167   |
| 15:28:00 | 141.3       | 1969.35 | .964  | 3.35 | 4.112   |
| 15:29:00 | 141.2       | 1969.18 | .981  | 3.18 | 4.059   |
| 15:30:00 | 141.2       | 1969.21 | .997  | 3.21 | 4.008   |
| 15:31:00 | 141.2       | 1969.06 | 1.014 | 3.06 | 3.959   |
| 15:32:00 | 141.2       | 1968.97 | 1.031 | 2.97 | 3.911   |
| 15:33:00 | 141.2       | 1968.99 | 1.047 | 2.99 | 3.865   |
| 15:34:00 | 141.2       | 1968.78 | 1.064 | 2.78 | 3.820   |
| 15:35:00 | 141.3       | 1968.83 | 1.081 | 2.83 | 3.776   |
| 15:36:00 | 141.3       | 1968.49 | 1.097 | 2.49 | 3.734   |

Well Name: NORTH PAARATTIE #2 . Company: BEACH PETROLEUM Date: 14/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt    | Dp   | T+Dt/Dt |
|----------|-------------|---------|-------|------|---------|
| 15:37:00 | 141.2       | 1968.33 | 1.114 | 2.33 | 3.693   |
| 15:38:00 | 141.3       | 1968.34 | 1.131 | 2.34 | 3.654   |
| 15:39:00 | 141.3       | 1968.20 | 1.147 | 2.20 | 3.615   |
| 15:40:00 | 141.3       | 1968.27 | 1.164 | 2.27 | 3.578   |
| 15:41:00 | 141.2       | 1968.02 | 1.181 | 2.02 | 3.541   |
| 15:42:00 | 141.3       | 1968.14 | 1.197 | 2.14 | 3.506   |
| 15:43:00 | 141.3       | 1967.99 | 1.214 | 1.99 | 3.471   |
| 15:44:00 | 141.3       | 1968.11 | 1.231 | 2.11 | 3.438   |
| 15:45:00 | 141.2       | 1968.01 | 1.247 | 2.01 | 3.405   |
| 15:46:00 | 141.2       | 1967.84 | 1.264 | 1.84 | 3.374   |
| 15:47:00 | 141.2       | 1968.07 | 1.281 | 2.07 | 3.343   |
| 15:48:00 | 141.2       | 1967.90 | 1.297 | 1.90 | 3.313   |
| 15:49:00 | 141.2       | 1968.04 | 1.314 | 2.04 | 3.283   |
| 15:50:00 | 141.2       | 1967.81 | 1.331 | 1.81 | 3.255   |
| 15:51:00 | 141.2       | 1967.84 | 1.347 | 1.84 | 3.227   |
| 15:52:00 | 141.2       | 1967.72 | 1.364 | 1.72 | 3.200   |
| 15:53:00 | 141.3       | 1968.24 | 1.381 | 2.24 | 3.173   |
| 15:54:00 | 141.2       | 1968.32 | 1.397 | 2.32 | 3.147   |
| 15:55:00 | 141.3       | 1968.25 | 1.414 | 2.25 | 3.122   |
| 15:56:00 | 141.3       | 1968.26 | 1.431 | 2.26 | 3.097   |
| 15:57:00 | 141.2       | 1968.17 | 1.447 | 2.17 | 3.073   |
| 15:58:00 | 141.3       | 1968.14 | 1.464 | 2.14 | 3.049   |
| 15:59:00 | 141.3       | 1968.09 | 1.481 | 2.09 | 3.026   |
| 16:00:00 | 141.3       | 1967.93 | 1.497 | 1.93 | 3.004   |
| 16:01:00 | 141.2       | 1967.90 | 1.514 | 1.90 | 2.982   |
| 16:02:00 | 141.2       | 1967.84 | 1.531 | 1.84 | 2.960   |
| 16:03:00 | 141.3       | 1967.83 | 1.547 | 1.83 | 2.939   |
| 16:04:00 | 141.2       | 1967.73 | 1.564 | 1.73 | 2.918   |
| 16:05:00 | 141.2       | 1967.81 | 1.581 | 1.81 | 2.898   |
| 16:06:00 | 141.2       | 1967.71 | 1.597 | 1.71 | 2.878   |
| 16:07:00 | 141.2       | 1967.72 | 1.614 | 1.72 | 2.859   |
| 16:08:00 | 141.2       | 1967.68 | 1.631 | 1.68 | 2.840   |
| 16:09:00 | 141.3       | 1967.71 | 1.647 | 1.71 | 2.821   |
| 16:10:00 | 141.2       | 1967.67 | 1.664 | 1.67 | 2.803   |
| 16:11:00 | 141.2       | 1967.63 | 1.681 | 1.63 | 2.785   |
| 16:12:00 | 141.2       | 1967.60 | 1.697 | 1.60 | 2.768   |
| 16:13:00 | 141.2       | 1967.61 | 1.714 | 1.61 | 2.750   |
| 16:14:00 | 141.2       | 1967.63 | 1.731 | 1.63 | 2.734   |
| 16:15:00 | 141.2       | 1967.59 | 1.747 | 1.59 | 2.717   |
| 16:16:00 | 141.3       | 1967.57 | 1.764 | 1.57 | 2.701   |
| 16:17:00 | 141.2       | 1967.55 | 1.781 | 1.55 | 2.685   |
| 16:18:00 | 141.2       | 1967.56 | 1.797 | 1.56 | 2.669   |
| 16:19:00 | 141.2       | 1967.54 | 1.814 | 1.54 | 2.654   |
| 16:20:00 | 141.3       | 1967.53 | 1.831 | 1.53 | 2.639   |
| 16:21:00 | 141.3       | 1967.52 | 1.847 | 1.52 | 2.624   |
| 16:22:00 | 141.2       | 1967.57 | 1.864 | 1.57 | 2.610   |
| 16:23:00 | 141.2       | 1967.54 | 1.881 | 1.54 | 2.595   |
| 16:24:00 | 141.2       | 1967.57 | 1.897 | 1.57 | 2.581   |
| 16:25:00 | 141.3       | 1967.53 | 1.914 | 1.53 | 2.567   |
| 16:26:00 | 141.2       | 1967.50 | 1.931 | 1.50 | 2.554   |
| 16:27:00 | 141.2       | 1967.50 | 1.947 | 1.50 | 2.541   |
| 16:28:00 | 141.2       | 1967.50 | 1.964 | 1.50 | 2.528   |
| 16:29:00 | 141.3       | 1967.46 | 1.981 | 1.46 | 2.515   |
| 16:30:00 | 141.2       | 1967.48 | 1.997 | 1.48 | 2.502   |
| 16:31:00 | 141.2       | 1967.47 | 2.014 | 1.47 | 2.490   |
| 16:32:00 | 141.2       | 1967.43 | 2.031 | 1.43 | 2.477   |
| 16:33:00 | 141.2       | 1967.41 | 2.047 | 1.41 | 2.465   |
| 16:34:00 | 141.2       | 1967.38 | 2.064 | 1.38 | 2.454   |
| 16:35:00 | 141.2       | 1967.38 | 2.081 | 1.38 | 2.442   |
| 16:36:00 | 141.2       | 1967.47 | 2.097 | 1.47 | 2.430   |

Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 14/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt    | Dp   | T+Dt/Dt |
|----------|-------------|---------|-------|------|---------|
| 16:37:00 | 141.2       | 1967.52 | 2.114 | 1.52 | 2.419   |
| 16:38:00 | 141.2       | 1967.34 | 2.131 | 1.34 | 2.408   |
| 16:39:00 | 141.2       | 1967.32 | 2.147 | 1.32 | 2.397   |
| 16:40:00 | 141.2       | 1967.27 | 2.164 | 1.27 | 2.386   |
| 16:41:00 | 141.2       | 1967.27 | 2.181 | 1.27 | 2.376   |
| 16:42:00 | 141.3       | 1967.31 | 2.197 | 1.31 | 2.365   |
| 16:43:00 | 141.2       | 1967.31 | 2.214 | 1.31 | 2.355   |
| 16:44:00 | 141.2       | 1967.29 | 2.231 | 1.29 | 2.345   |
| 16:45:00 | 141.2       | 1967.30 | 2.247 | 1.30 | 2.335   |
| 16:46:00 | 141.2       | 1967.27 | 2.264 | 1.27 | 2.325   |
| 16:47:00 | 141.3       | 1967.28 | 2.281 | 1.28 | 2.315   |
| 16:48:00 | 141.3       | 1967.26 | 2.297 | 1.26 | 2.306   |
| 16:49:00 | 141.2       | 1967.24 | 2.314 | 1.24 | 2.297   |
| 16:50:00 | 141.2       | 1967.24 | 2.331 | 1.24 | 2.287   |
| 16:51:00 | 141.2       | 1967.26 | 2.347 | 1.26 | 2.278   |
| 16:52:00 | 141.2       | 1967.26 | 2.364 | 1.26 | 2.269   |
| 16:53:00 | 141.2       | 1967.23 | 2.381 | 1.23 | 2.260   |
| 16:54:00 | 141.2       | 1967.22 | 2.397 | 1.22 | 2.251   |
| 16:55:00 | 141.2       | 1967.24 | 2.414 | 1.24 | 2.243   |
| 16:56:00 | 141.2       | 1967.21 | 2.431 | 1.21 | 2.234   |
| 16:57:00 | 141.2       | 1967.20 | 2.447 | 1.20 | 2.226   |
| 16:58:00 | 141.3       | 1967.20 | 2.464 | 1.20 | 2.218   |
| 16:59:00 | 141.2       | 1967.22 | 2.481 | 1.22 | 2.209   |
| 17:00:00 | 141.2       | 1967.16 | 2.497 | 1.16 | 2.201   |
| 17:01:00 | 141.3       | 1967.20 | 2.514 | 1.20 | 2.193   |
| 17:02:00 | 141.2       | 1967.16 | 2.531 | 1.16 | 2.186   |
| 17:03:00 | 141.2       | 1967.15 | 2.547 | 1.15 | 2.178   |
| 17:04:00 | 141.2       | 1967.13 | 2.564 | 1.13 | 2.170   |
| 17:05:00 | 141.2       | 1967.20 | 2.581 | 1.20 | 2.163   |
| 17:06:00 | 141.3       | 1967.39 | 2.597 | 1.39 | 2.155   |
| 17:07:00 | 141.2       | 1967.45 | 2.614 | 1.45 | 2.148   |
| 17:08:00 | 141.2       | 1967.06 | 2.631 | 1.06 | 2.140   |
| 17:09:00 | 141.2       | 1966.99 | 2.647 | .99  | 2.133   |
| 17:10:00 | 141.2       | 1966.97 | 2.664 | .97  | 2.126   |
| 17:11:00 | 141.2       | 1967.00 | 2.681 | 1.00 | 2.119   |
| 17:12:00 | 141.2       | 1966.98 | 2.697 | .98  | 2.112   |
| 17:13:00 | 141.3       | 1966.98 | 2.714 | .98  | 2.105   |
| 17:14:00 | 141.3       | 1966.98 | 2.731 | .98  | 2.099   |
| 17:15:00 | 141.2       | 1966.94 | 2.747 | .94  | 2.092   |
| 17:16:00 | 141.3       | 1966.96 | 2.764 | .96  | 2.085   |
| 17:17:00 | 141.2       | 1966.93 | 2.781 | .93  | 2.079   |
| 17:18:00 | 141.2       | 1966.91 | 2.797 | .91  | 2.072   |
| 17:19:00 | 141.3       | 1966.90 | 2.814 | .90  | 2.066   |
| 17:20:00 | 141.3       | 1966.87 | 2.831 | .87  | 2.060   |
| 17:21:00 | 141.2       | 1966.89 | 2.847 | .89  | 2.054   |
| 17:22:00 | 141.2       | 1966.87 | 2.864 | .87  | 2.048   |
| 17:23:00 | 141.2       | 1966.88 | 2.881 | .88  | 2.041   |
| 17:24:00 | 141.2       | 1966.88 | 2.897 | .88  | 2.035   |
| 17:25:00 | 141.3       | 1966.86 | 2.914 | .86  | 2.030   |
| 17:26:00 | 141.2       | 1966.86 | 2.931 | .86  | 2.024   |
| 17:27:00 | 141.2       | 1966.84 | 2.947 | .84  | 2.018   |
| 17:28:00 | 141.3       | 1966.84 | 2.964 | .84  | 2.012   |
| 17:29:00 | 141.2       | 1966.86 | 2.981 | .86  | 2.007   |
| 17:29:40 | 141.2       | 1966.85 | 2.992 | .85  | 2.003   |
| 17:29:50 | 141.3       | 1966.82 | 2.994 | .82  | 2.002   |
| 17:30:00 | 141.2       | 1966.82 | 2.997 | .82  | 2.001   |
| 17:30:10 | 141.2       | 1966.78 | 3.000 | .78  | 2.000   |

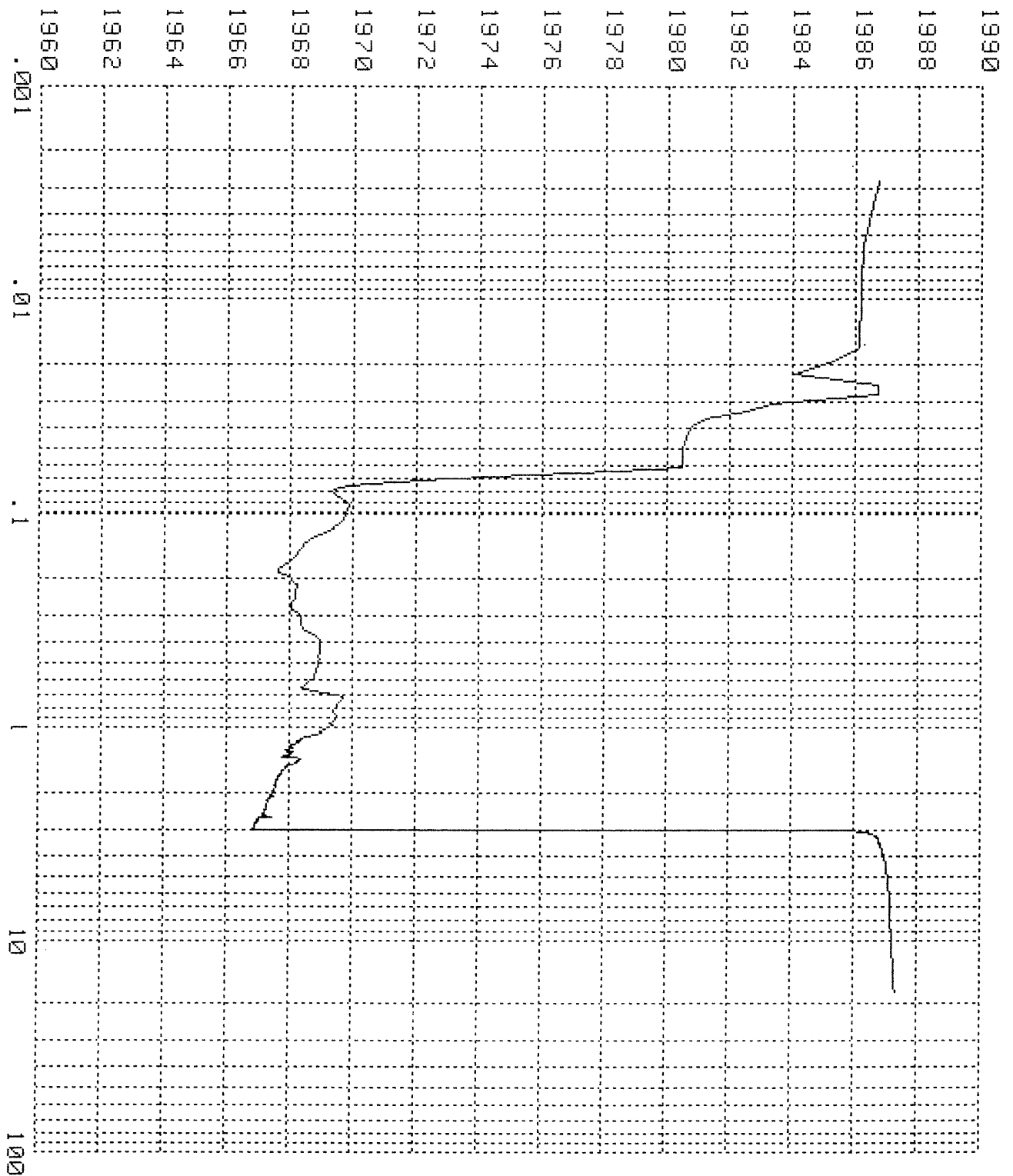
GO INTERNATIONAL AUSTRALIA  
LINEAR PRESSURE VS. LOG TIME

BEACH PETROLEUM NORTH PARATTIE #2 22/64 CHOKE

Start of plot: 14:30:10 Date: 14/03/81

Finish of plot : 08:00:10 Date: 15/03/81

\*\*\*\*\* Pressure (PSIA) \*\*\*\*\*

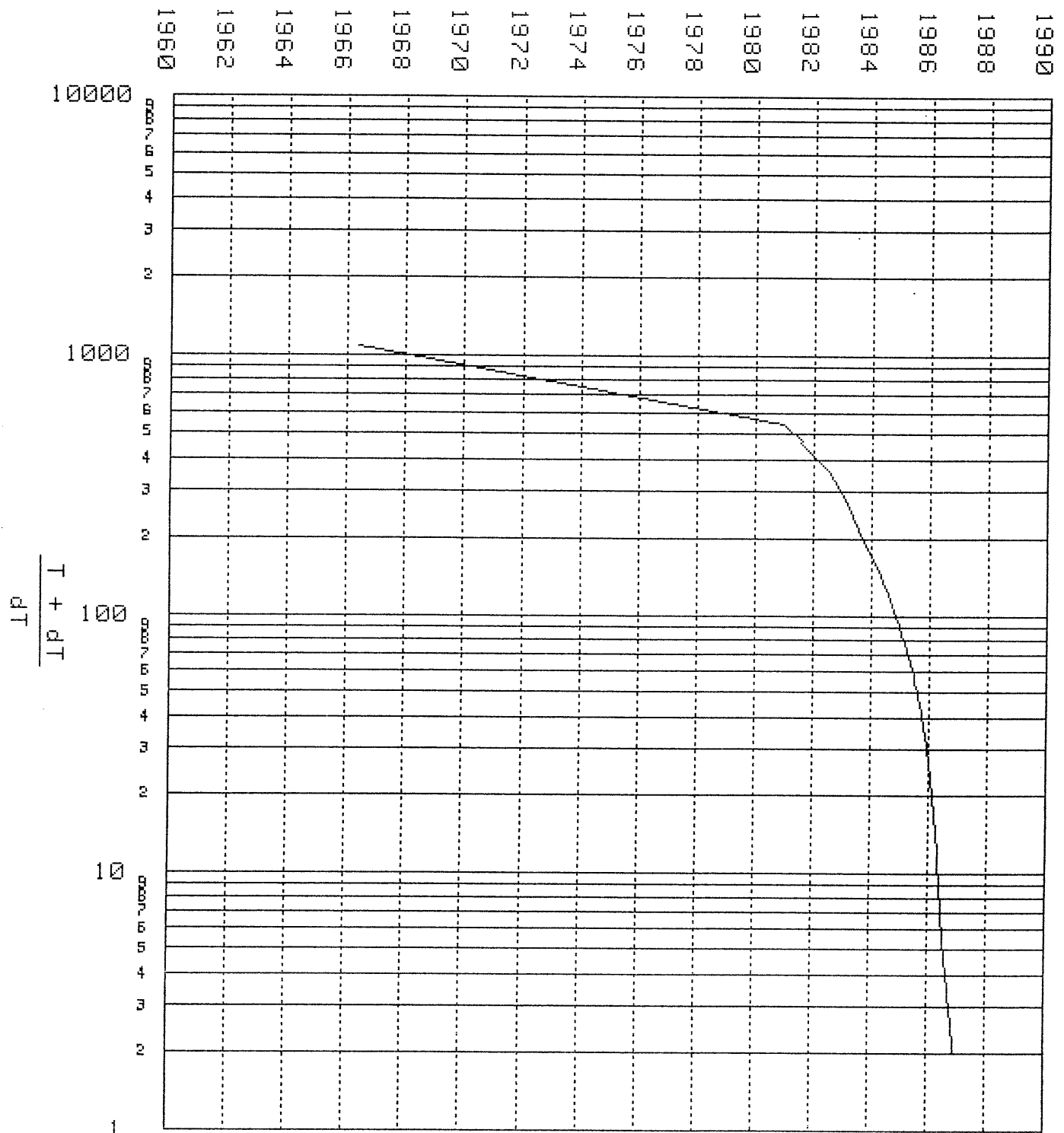


\*\*\*\*\* dt (Hours) \*\*\*\*\*



GO INTERNATIONAL AUSTRALIA - HORNER PLOT  
 BEACH PETROLEUM NORTH PARRATTIE #2 26/64 CHOKE  
 Time well flowed: 08:00:10 Date: 15/03/81  
 Time well shut in: 11:00:10 Date: 15/03/81  
 Time build-up completed: 14:00:20 Date: 15/03/81

Pressure (PSIA)



Well Name: NORTH PARATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt   | Dp    | T+Dt/Dt  |
|----------|-------------|---------|------|-------|----------|
| 11:00:20 | 141.2       | 1966.35 | .003 | 13.96 | 1081.000 |
| 11:00:30 | 141.6       | 1980.99 | .006 | 28.60 | 541.000  |
| 11:00:40 | 141.7       | 1982.54 | .008 | 30.15 | 361.000  |
| 11:00:50 | 141.7       | 1983.16 | .011 | 30.77 | 271.000  |
| 11:01:00 | 141.7       | 1983.57 | .014 | 31.18 | 217.000  |
| 11:01:10 | 141.7       | 1983.91 | .017 | 31.52 | 181.000  |
| 11:01:20 | 141.7       | 1984.18 | .019 | 31.79 | 155.286  |
| 11:01:30 | 141.6       | 1984.39 | .022 | 32.00 | 136.000  |
| 11:01:40 | 141.6       | 1984.56 | .025 | 32.17 | 121.000  |
| 11:01:50 | 141.6       | 1984.72 | .028 | 32.33 | 109.000  |
| 11:02:00 | 141.6       | 1984.85 | .031 | 32.46 | 99.182   |
| 11:02:10 | 141.5       | 1984.96 | .033 | 32.57 | 91.000   |
| 11:02:20 | 141.6       | 1985.06 | .036 | 32.67 | 84.077   |
| 11:02:30 | 141.5       | 1985.15 | .039 | 32.76 | 78.143   |
| 11:02:40 | 141.5       | 1985.21 | .042 | 32.82 | 73.000   |
| 11:02:50 | 141.5       | 1985.29 | .044 | 32.90 | 68.500   |
| 11:03:00 | 141.5       | 1985.35 | .047 | 32.96 | 64.529   |
| 11:03:10 | 141.4       | 1985.41 | .050 | 33.02 | 61.000   |
| 11:03:20 | 141.4       | 1985.46 | .053 | 33.07 | 57.842   |
| 11:03:30 | 141.4       | 1985.52 | .056 | 33.13 | 55.000   |
| 11:03:40 | 141.4       | 1985.55 | .058 | 33.16 | 52.429   |
| 11:03:50 | 141.4       | 1985.59 | .061 | 33.20 | 50.091   |
| 11:04:00 | 141.4       | 1985.64 | .064 | 33.25 | 47.957   |
| 11:04:10 | 141.5       | 1985.66 | .067 | 33.27 | 46.000   |
| 11:04:20 | 141.4       | 1985.70 | .069 | 33.31 | 44.200   |
| 11:04:30 | 141.4       | 1985.72 | .072 | 33.33 | 42.538   |
| 11:04:40 | 141.4       | 1985.76 | .075 | 33.37 | 41.000   |
| 11:04:50 | 141.4       | 1985.77 | .078 | 33.38 | 39.571   |
| 11:05:00 | 141.4       | 1985.80 | .081 | 33.41 | 38.241   |
| 11:05:10 | 141.4       | 1985.83 | .083 | 33.44 | 37.000   |
| 11:05:20 | 141.4       | 1985.83 | .086 | 33.44 | 35.839   |
| 11:05:30 | 141.4       | 1985.86 | .089 | 33.47 | 34.750   |
| 11:05:40 | 141.4       | 1985.87 | .092 | 33.48 | 33.727   |
| 11:05:50 | 141.3       | 1985.89 | .094 | 33.50 | 32.765   |
| 11:06:00 | 141.4       | 1985.91 | .097 | 33.52 | 31.857   |
| 11:06:10 | 141.3       | 1985.91 | .100 | 33.52 | 31.000   |
| 11:06:20 | 141.4       | 1985.94 | .103 | 33.55 | 30.189   |
| 11:06:30 | 141.3       | 1985.94 | .106 | 33.55 | 29.421   |
| 11:06:40 | 141.3       | 1985.96 | .108 | 33.57 | 28.692   |
| 11:06:50 | 141.4       | 1985.99 | .111 | 33.60 | 28.000   |
| 11:07:00 | 141.3       | 1985.98 | .114 | 33.59 | 27.341   |
| 11:07:10 | 141.4       | 1986.00 | .117 | 33.61 | 26.714   |
| 11:07:20 | 141.3       | 1986.00 | .119 | 33.61 | 26.116   |
| 11:07:30 | 141.4       | 1986.03 | .122 | 33.64 | 25.545   |
| 11:07:40 | 141.3       | 1986.02 | .125 | 33.63 | 25.000   |
| 11:07:50 | 141.3       | 1986.05 | .128 | 33.66 | 24.478   |
| 11:08:00 | 141.3       | 1986.04 | .131 | 33.65 | 23.979   |
| 11:08:10 | 141.3       | 1986.06 | .133 | 33.67 | 23.500   |
| 11:08:20 | 141.3       | 1986.08 | .136 | 33.69 | 23.041   |
| 11:08:30 | 141.3       | 1986.08 | .139 | 33.69 | 22.600   |
| 11:08:40 | 141.3       | 1986.10 | .142 | 33.71 | 22.176   |
| 11:08:50 | 141.3       | 1986.10 | .144 | 33.71 | 21.769   |
| 11:09:00 | 141.3       | 1986.11 | .147 | 33.72 | 21.377   |
| 11:09:10 | 141.3       | 1986.12 | .150 | 33.73 | 21.000   |
| 11:09:20 | 141.3       | 1986.12 | .153 | 33.73 | 20.636   |
| 11:09:30 | 141.3       | 1986.12 | .156 | 33.73 | 20.286   |
| 11:09:40 | 141.2       | 1986.13 | .158 | 33.74 | 19.947   |
| 11:09:50 | 141.3       | 1986.14 | .161 | 33.75 | 19.621   |
| 11:10:00 | 141.3       | 1986.15 | .164 | 33.76 | 19.305   |
| 11:10:30 | 141.2       | 1986.15 | .172 | 33.76 | 18.419   |
| 11:11:00 | 141.3       | 1986.18 | .181 | 33.79 | 17.615   |

Well Name: NORTH PAARATTIE #2 . Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt    | Dp    | T+Dt/Dt |
|----------|-------------|---------|-------|-------|---------|
| 11:11:30 | 141.3       | 1986.21 | .189  | 33.82 | 16.882  |
| 11:12:00 | 141.3       | 1986.22 | .197  | 33.83 | 16.211  |
| 11:12:30 | 141.2       | 1986.22 | .206  | 33.83 | 15.595  |
| 11:13:00 | 141.2       | 1986.24 | .214  | 33.85 | 15.026  |
| 11:13:30 | 141.3       | 1986.26 | .222  | 33.87 | 14.500  |
| 11:14:00 | 141.2       | 1986.27 | .231  | 33.88 | 14.012  |
| 11:14:30 | 141.3       | 1986.27 | .239  | 33.88 | 13.558  |
| 11:15:00 | 141.2       | 1986.28 | .247  | 33.89 | 13.135  |
| 11:15:30 | 141.3       | 1986.30 | .256  | 33.91 | 12.739  |
| 11:16:00 | 141.3       | 1986.31 | .264  | 33.92 | 12.368  |
| 11:16:30 | 141.3       | 1986.32 | .272  | 33.93 | 12.020  |
| 11:17:00 | 141.3       | 1986.33 | .281  | 33.94 | 11.693  |
| 11:17:30 | 141.2       | 1986.32 | .289  | 33.93 | 11.385  |
| 11:18:00 | 141.2       | 1986.34 | .297  | 33.95 | 11.093  |
| 11:18:30 | 141.2       | 1986.33 | .306  | 33.94 | 10.818  |
| 11:19:00 | 141.2       | 1986.34 | .314  | 33.95 | 10.558  |
| 11:19:30 | 141.3       | 1986.35 | .322  | 33.96 | 10.310  |
| 11:20:00 | 141.2       | 1986.36 | .331  | 33.97 | 10.076  |
| 11:21:00 | 141.2       | 1986.38 | .347  | 33.99 | 9.640   |
| 11:22:00 | 141.3       | 1986.39 | .364  | 34.00 | 9.244   |
| 11:23:00 | 141.2       | 1986.40 | .381  | 34.01 | 8.883   |
| 11:24:00 | 141.2       | 1986.41 | .397  | 34.02 | 8.552   |
| 11:25:00 | 141.2       | 1986.42 | .414  | 34.03 | 8.248   |
| 11:26:00 | 141.2       | 1986.42 | .431  | 34.03 | 7.968   |
| 11:27:00 | 141.2       | 1986.44 | .447  | 34.05 | 7.708   |
| 11:28:00 | 141.2       | 1986.44 | .464  | 34.05 | 7.467   |
| 11:29:00 | 141.2       | 1986.46 | .481  | 34.07 | 7.243   |
| 11:30:00 | 141.2       | 1986.47 | .497  | 34.08 | 7.034   |
| 11:40:00 | 141.3       | 1986.55 | .664  | 34.16 | 5.519   |
| 11:50:00 | 141.2       | 1986.60 | .831  | 34.21 | 4.612   |
| 12:00:00 | 141.2       | 1986.65 | .997  | 34.26 | 4.008   |
| 12:10:00 | 141.2       | 1986.71 | 1.164 | 34.32 | 3.578   |
| 12:20:00 | 141.2       | 1986.73 | 1.331 | 34.34 | 3.255   |
| 12:30:00 | 141.3       | 1986.78 | 1.497 | 34.39 | 3.004   |
| 12:40:00 | 141.3       | 1986.80 | 1.664 | 34.41 | 2.803   |
| 12:50:00 | 141.3       | 1986.83 | 1.831 | 34.44 | 2.639   |
| 13:00:00 | 141.2       | 1986.83 | 1.997 | 34.44 | 2.502   |
| 13:10:00 | 141.3       | 1986.85 | 2.164 | 34.46 | 2.386   |
| 13:20:00 | 141.3       | 1986.88 | 2.331 | 34.49 | 2.287   |
| 13:30:00 | 141.3       | 1986.88 | 2.497 | 34.49 | 2.201   |
| 13:40:00 | 141.3       | 1986.89 | 2.664 | 34.50 | 2.126   |
| 13:50:00 | 141.3       | 1986.90 | 2.831 | 34.51 | 2.060   |
| 13:59:50 | 141.2       | 1986.91 | 2.994 | 34.52 | 2.002   |
| 14:00:00 | 141.3       | 1986.92 | 2.997 | 34.53 | 2.001   |
| 14:00:10 | 141.3       | 1986.91 | 3.000 | 34.52 | 2.000   |
| 14:00:20 | 141.3       | 1986.91 | 3.003 | 34.52 | 1.999   |

GO INTERNATIONAL AUSTRALIA

dP/dT PLOT

Build-up

BEACH PETROLEUM

NORTH PAARATTIE #2

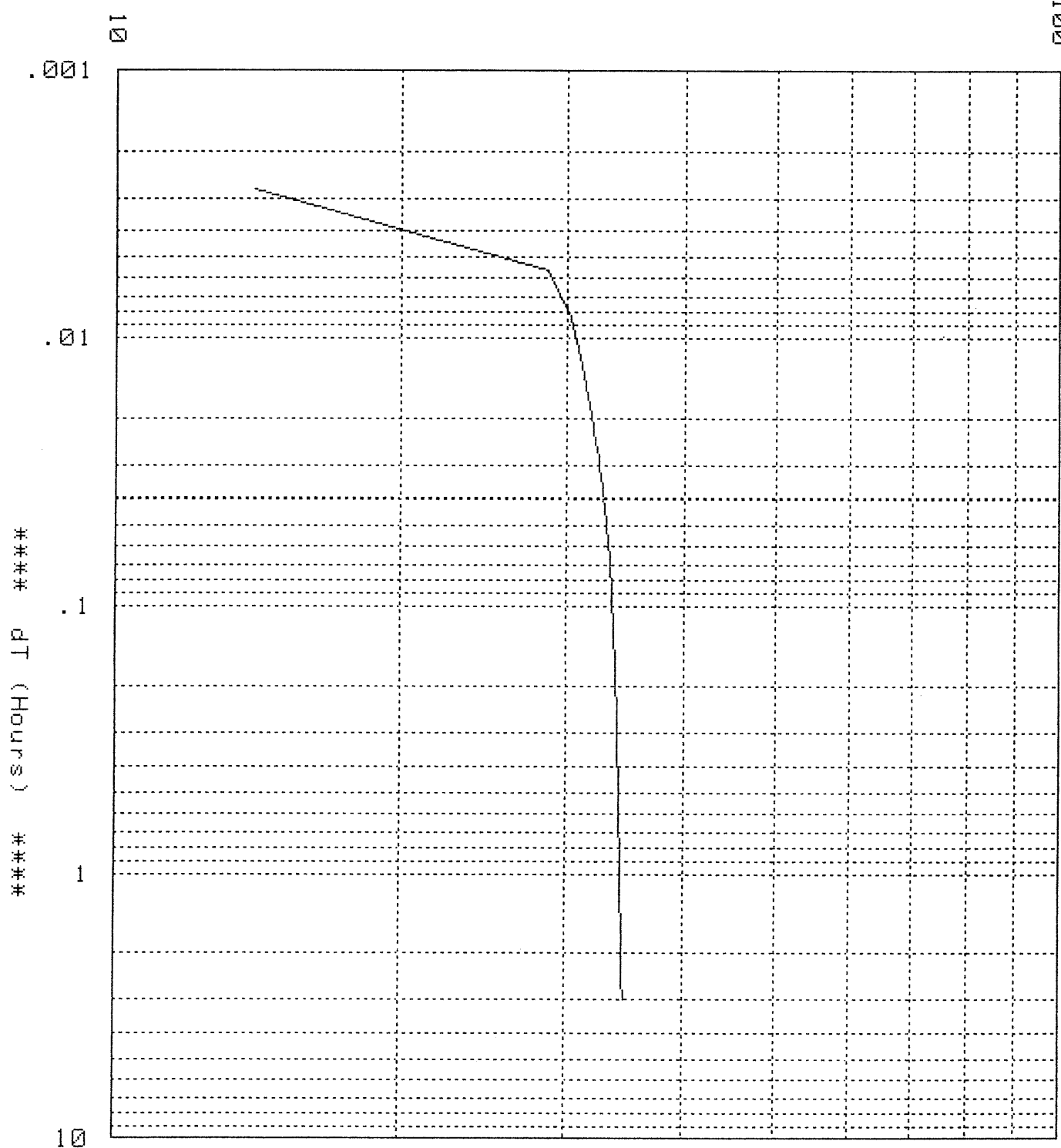
26/64 CHOKE

Time well flowed: 08:00:10 Date: 15/03/81

Time well shut in: 11:00:10 Date: 15/03/81

Time build-up completed: 14:00:20 Date: 15/03/81

\*\*\*\*\* dP (PSIA) \*\*\*\*\*



GO INTERNATIONAL AUSTRALIA

dP/dT PLOT

Drawdown

BEACH PETROLEUM

NORTH PAARATTIE #2

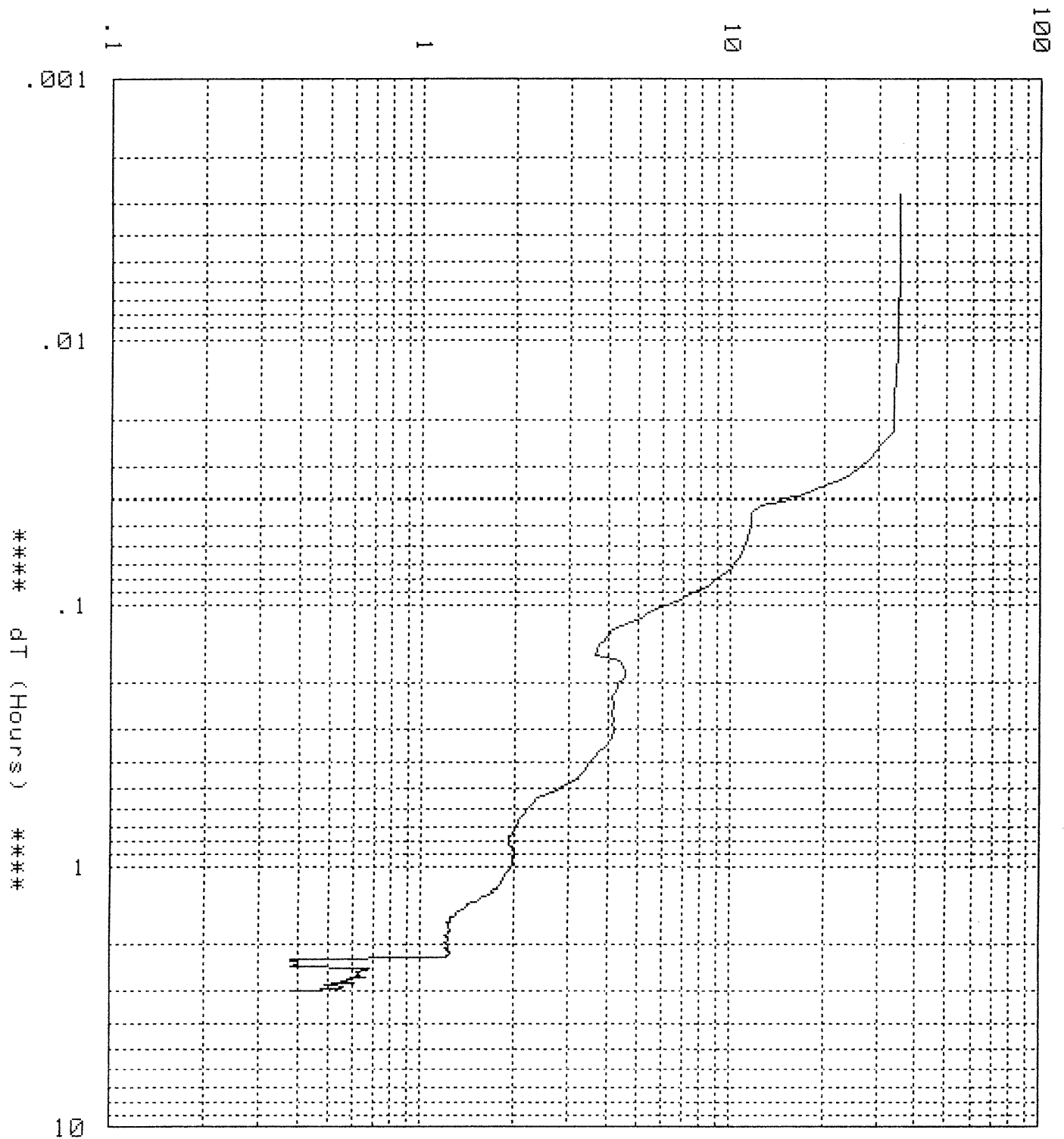
26/64 CHOKE

Time well flowed: 08:00:10 Date: 15/03/81

Time well shut in: 11:00:10 Date: 15/03/81

Time build-up completed: 14:00:20 Date: 15/03/81

\*\*\*\*\* dP (PSIA) \*\*\*\*\*



Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt   | Dp    | T+Dt/Dt  |
|----------|-------------|---------|------|-------|----------|
| 08:00:20 | 141.3       | 1987.09 | .003 | 35.09 | 1081.000 |
| 08:00:30 | 141.3       | 1986.82 | .006 | 34.82 | 541.000  |
| 08:00:40 | 141.4       | 1986.75 | .008 | 34.75 | 361.000  |
| 08:00:50 | 141.4       | 1986.72 | .011 | 34.72 | 271.000  |
| 08:01:00 | 141.3       | 1986.25 | .014 | 34.25 | 217.000  |
| 08:01:10 | 141.4       | 1985.83 | .017 | 33.83 | 181.000  |
| 08:01:20 | 141.3       | 1985.80 | .019 | 33.80 | 155.286  |
| 08:01:30 | 141.3       | 1985.63 | .022 | 33.63 | 136.000  |
| 08:01:40 | 141.4       | 1982.54 | .025 | 30.54 | 121.000  |
| 08:01:50 | 141.3       | 1980.59 | .028 | 28.59 | 109.000  |
| 08:02:00 | 141.3       | 1977.94 | .031 | 25.94 | 99.182   |
| 08:02:10 | 141.2       | 1975.25 | .033 | 23.25 | 91.000   |
| 08:02:20 | 141.2       | 1971.50 | .036 | 19.50 | 84.077   |
| 08:02:30 | 141.2       | 1968.59 | .039 | 16.59 | 78.143   |
| 08:02:40 | 141.2       | 1964.50 | .042 | 12.50 | 73.000   |
| 08:02:50 | 141.2       | 1963.61 | .044 | 11.61 | 68.500   |
| 08:03:00 | 141.2       | 1963.67 | .047 | 11.67 | 64.529   |
| 08:03:10 | 141.3       | 1963.70 | .050 | 11.70 | 61.000   |
| 08:03:20 | 141.3       | 1963.40 | .053 | 11.40 | 57.842   |
| 08:03:30 | 141.3       | 1963.35 | .056 | 11.35 | 55.000   |
| 08:03:40 | 141.2       | 1963.20 | .058 | 11.20 | 52.429   |
| 08:03:50 | 141.3       | 1962.97 | .061 | 10.97 | 50.091   |
| 08:04:00 | 141.3       | 1962.83 | .064 | 10.83 | 47.957   |
| 08:04:10 | 141.2       | 1962.52 | .067 | 10.52 | 46.000   |
| 08:04:20 | 141.2       | 1962.30 | .069 | 10.30 | 44.200   |
| 08:04:30 | 141.2       | 1962.05 | .072 | 10.05 | 42.538   |
| 08:04:40 | 141.2       | 1961.68 | .075 | 9.68  | 41.000   |
| 08:04:50 | 141.2       | 1961.30 | .078 | 9.30  | 39.571   |
| 08:05:00 | 141.2       | 1960.92 | .081 | 8.92  | 38.241   |
| 08:05:10 | 141.2       | 1960.59 | .083 | 8.59  | 37.000   |
| 08:05:20 | 141.2       | 1960.19 | .086 | 8.19  | 35.839   |
| 08:05:30 | 141.2       | 1959.76 | .089 | 7.76  | 34.750   |
| 08:05:40 | 141.2       | 1959.33 | .092 | 7.33  | 33.727   |
| 08:05:50 | 141.2       | 1959.01 | .094 | 7.01  | 32.765   |
| 08:06:00 | 141.2       | 1958.61 | .097 | 6.61  | 31.857   |
| 08:06:10 | 141.1       | 1958.18 | .100 | 6.18  | 31.000   |
| 08:06:20 | 141.2       | 1957.88 | .103 | 5.88  | 30.189   |
| 08:06:30 | 141.1       | 1957.57 | .106 | 5.57  | 29.421   |
| 08:06:40 | 141.2       | 1957.35 | .108 | 5.35  | 28.692   |
| 08:06:50 | 141.1       | 1957.21 | .111 | 5.21  | 28.000   |
| 08:07:00 | 141.1       | 1957.00 | .114 | 5.00  | 27.341   |
| 08:07:10 | 141.1       | 1956.71 | .117 | 4.71  | 26.714   |
| 08:07:20 | 141.1       | 1956.41 | .119 | 4.41  | 26.116   |
| 08:07:30 | 141.1       | 1956.24 | .122 | 4.24  | 25.545   |
| 08:07:40 | 141.1       | 1956.13 | .125 | 4.13  | 25.000   |
| 08:07:50 | 141.1       | 1956.07 | .128 | 4.07  | 24.478   |
| 08:08:00 | 141.1       | 1956.04 | .131 | 4.04  | 23.979   |
| 08:08:10 | 141.1       | 1955.95 | .133 | 3.95  | 23.500   |
| 08:08:20 | 141.1       | 1955.93 | .136 | 3.93  | 23.041   |
| 08:08:30 | 141.1       | 1955.83 | .139 | 3.83  | 22.600   |
| 08:08:40 | 141.1       | 1955.76 | .142 | 3.76  | 22.176   |
| 08:08:50 | 141.1       | 1955.74 | .144 | 3.74  | 21.769   |
| 08:09:00 | 141.1       | 1955.69 | .147 | 3.69  | 21.377   |
| 08:09:10 | 141.1       | 1955.69 | .150 | 3.69  | 21.000   |
| 08:09:20 | 141.0       | 1955.63 | .153 | 3.63  | 20.636   |
| 08:09:30 | 141.1       | 1955.66 | .156 | 3.66  | 20.286   |
| 08:09:40 | 141.1       | 1955.98 | .158 | 3.98  | 19.947   |
| 08:09:50 | 141.0       | 1956.22 | .161 | 4.22  | 19.621   |
| 08:10:00 | 141.1       | 1956.38 | .164 | 4.38  | 19.305   |
| 08:10:30 | 141.0       | 1956.52 | .172 | 4.52  | 18.419   |
| 08:11:00 | 141.1       | 1956.53 | .181 | 4.53  | 17.615   |

Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt    | Dp   | T+Dt/Dt |
|----------|-------------|---------|-------|------|---------|
| 08:11:30 | 141.1       | 1956.55 | .189  | 4.55 | 16.882  |
| 08:12:00 | 141.1       | 1956.34 | .197  | 4.34 | 16.211  |
| 08:12:30 | 141.1       | 1956.30 | .206  | 4.30 | 15.595  |
| 08:13:00 | 141.1       | 1956.28 | .214  | 4.28 | 15.026  |
| 08:13:30 | 141.1       | 1956.15 | .222  | 4.15 | 14.500  |
| 08:14:00 | 141.1       | 1956.16 | .231  | 4.16 | 14.012  |
| 08:14:30 | 141.1       | 1956.18 | .239  | 4.18 | 13.558  |
| 08:15:00 | 141.0       | 1956.17 | .247  | 4.17 | 13.135  |
| 08:15:30 | 141.0       | 1956.13 | .256  | 4.13 | 12.739  |
| 08:16:00 | 141.0       | 1956.16 | .264  | 4.16 | 12.368  |
| 08:16:30 | 141.0       | 1956.17 | .272  | 4.17 | 12.020  |
| 08:17:00 | 141.0       | 1956.18 | .281  | 4.18 | 11.693  |
| 08:17:30 | 141.1       | 1956.16 | .289  | 4.16 | 11.385  |
| 08:18:00 | 141.0       | 1956.20 | .297  | 4.20 | 11.093  |
| 08:18:30 | 141.1       | 1956.20 | .306  | 4.20 | 10.818  |
| 08:19:00 | 141.1       | 1956.15 | .314  | 4.15 | 10.558  |
| 08:19:30 | 141.0       | 1956.12 | .322  | 4.12 | 10.310  |
| 08:20:00 | 141.0       | 1956.07 | .331  | 4.07 | 10.076  |
| 08:21:00 | 141.0       | 1955.95 | .347  | 3.95 | 9.640   |
| 08:22:00 | 141.1       | 1955.76 | .364  | 3.76 | 9.244   |
| 08:23:00 | 141.0       | 1955.65 | .381  | 3.65 | 8.883   |
| 08:24:00 | 141.0       | 1955.48 | .397  | 3.48 | 8.552   |
| 08:25:00 | 141.0       | 1955.44 | .414  | 3.44 | 8.248   |
| 08:26:00 | 141.0       | 1955.35 | .431  | 3.35 | 7.968   |
| 08:27:00 | 140.9       | 1955.27 | .447  | 3.27 | 7.708   |
| 08:28:00 | 141.0       | 1955.20 | .464  | 3.20 | 7.467   |
| 08:29:00 | 141.0       | 1955.00 | .481  | 3.00 | 7.243   |
| 08:30:00 | 141.0       | 1954.80 | .497  | 2.80 | 7.034   |
| 08:31:00 | 141.0       | 1954.63 | .514  | 2.63 | 6.838   |
| 08:32:00 | 140.9       | 1954.47 | .531  | 2.47 | 6.654   |
| 08:33:00 | 140.9       | 1954.35 | .547  | 2.35 | 6.482   |
| 08:34:00 | 140.9       | 1954.34 | .564  | 2.34 | 6.320   |
| 08:35:00 | 141.0       | 1954.28 | .581  | 2.28 | 6.167   |
| 08:36:00 | 141.0       | 1954.22 | .597  | 2.22 | 6.023   |
| 08:37:00 | 140.9       | 1954.18 | .614  | 2.18 | 5.887   |
| 08:38:00 | 141.0       | 1954.15 | .631  | 2.15 | 5.758   |
| 08:39:00 | 140.9       | 1954.10 | .647  | 2.10 | 5.635   |
| 08:40:00 | 140.9       | 1954.06 | .664  | 2.06 | 5.519   |
| 08:41:00 | 141.0       | 1954.05 | .681  | 2.05 | 5.408   |
| 08:42:00 | 140.9       | 1954.03 | .697  | 2.03 | 5.303   |
| 08:43:00 | 141.0       | 1954.01 | .714  | 2.01 | 5.202   |
| 08:44:00 | 140.9       | 1953.99 | .731  | 1.99 | 5.106   |
| 08:45:00 | 141.0       | 1953.96 | .747  | 1.96 | 5.015   |
| 08:46:00 | 140.9       | 1953.93 | .764  | 1.93 | 4.927   |
| 08:47:00 | 140.9       | 1953.93 | .781  | 1.93 | 4.843   |
| 08:48:00 | 140.9       | 1953.93 | .797  | 1.93 | 4.763   |
| 08:49:00 | 141.0       | 1953.92 | .814  | 1.92 | 4.686   |
| 08:50:00 | 140.9       | 1953.93 | .831  | 1.93 | 4.612   |
| 08:51:00 | 140.9       | 1953.97 | .847  | 1.97 | 4.541   |
| 08:52:00 | 141.0       | 1953.97 | .864  | 1.97 | 4.473   |
| 08:53:00 | 140.9       | 1953.99 | .881  | 1.99 | 4.407   |
| 08:54:00 | 141.0       | 1954.00 | .897  | 2.00 | 4.344   |
| 08:55:00 | 141.0       | 1953.98 | .914  | 1.98 | 4.283   |
| 08:56:00 | 141.0       | 1953.97 | .931  | 1.97 | 4.224   |
| 08:57:00 | 141.0       | 1953.97 | .947  | 1.97 | 4.167   |
| 08:58:00 | 140.9       | 1953.97 | .964  | 1.97 | 4.112   |
| 08:59:00 | 141.0       | 1953.96 | .981  | 1.96 | 4.059   |
| 09:00:00 | 141.0       | 1953.96 | .997  | 1.96 | 4.008   |
| 09:01:00 | 140.9       | 1953.93 | 1.014 | 1.93 | 3.959   |
| 09:02:00 | 141.0       | 1953.94 | 1.031 | 1.94 | 3.911   |

Well Name: NORTH PARATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt    | Dp   | T+Dt/Dt |
|----------|-------------|---------|-------|------|---------|
| 09:03:00 | 141.0       | 1953.91 | 1.047 | 1.91 | 3.865   |
| 09:04:00 | 141.0       | 1953.88 | 1.064 | 1.88 | 3.820   |
| 09:05:00 | 140.9       | 1953.87 | 1.081 | 1.87 | 3.776   |
| 09:06:00 | 140.9       | 1953.87 | 1.097 | 1.87 | 3.734   |
| 09:07:00 | 141.0       | 1953.84 | 1.114 | 1.84 | 3.693   |
| 09:08:00 | 140.9       | 1953.83 | 1.131 | 1.83 | 3.654   |
| 09:09:00 | 141.0       | 1953.82 | 1.147 | 1.82 | 3.615   |
| 09:10:00 | 141.0       | 1953.82 | 1.164 | 1.82 | 3.578   |
| 09:11:00 | 140.9       | 1953.79 | 1.181 | 1.79 | 3.541   |
| 09:12:00 | 140.9       | 1953.77 | 1.197 | 1.77 | 3.506   |
| 09:13:00 | 141.0       | 1953.76 | 1.214 | 1.76 | 3.471   |
| 09:14:00 | 140.9       | 1953.71 | 1.231 | 1.71 | 3.438   |
| 09:15:00 | 141.0       | 1953.70 | 1.247 | 1.70 | 3.405   |
| 09:16:00 | 141.0       | 1953.72 | 1.264 | 1.72 | 3.374   |
| 09:17:00 | 141.0       | 1953.65 | 1.281 | 1.65 | 3.343   |
| 09:18:00 | 141.0       | 1953.61 | 1.297 | 1.61 | 3.313   |
| 09:19:00 | 140.9       | 1953.57 | 1.314 | 1.57 | 3.283   |
| 09:20:00 | 140.9       | 1953.56 | 1.331 | 1.56 | 3.255   |
| 09:21:00 | 141.0       | 1953.53 | 1.347 | 1.53 | 3.227   |
| 09:22:00 | 141.0       | 1953.49 | 1.364 | 1.49 | 3.200   |
| 09:23:00 | 141.0       | 1953.48 | 1.381 | 1.48 | 3.173   |
| 09:24:00 | 140.9       | 1953.42 | 1.397 | 1.42 | 3.147   |
| 09:25:00 | 140.9       | 1953.42 | 1.414 | 1.42 | 3.122   |
| 09:26:00 | 141.0       | 1953.40 | 1.431 | 1.40 | 3.097   |
| 09:27:00 | 140.9       | 1953.39 | 1.447 | 1.39 | 3.073   |
| 09:28:00 | 140.9       | 1953.35 | 1.464 | 1.35 | 3.049   |
| 09:29:00 | 140.9       | 1953.34 | 1.481 | 1.34 | 3.026   |
| 09:30:00 | 141.0       | 1953.32 | 1.497 | 1.32 | 3.004   |
| 09:31:00 | 140.9       | 1953.30 | 1.514 | 1.30 | 2.982   |
| 09:32:00 | 140.9       | 1953.29 | 1.531 | 1.29 | 2.960   |
| 09:33:00 | 141.0       | 1953.28 | 1.547 | 1.28 | 2.939   |
| 09:34:00 | 140.9       | 1953.25 | 1.564 | 1.25 | 2.918   |
| 09:35:00 | 140.9       | 1953.25 | 1.581 | 1.25 | 2.898   |
| 09:36:00 | 141.0       | 1953.24 | 1.597 | 1.24 | 2.878   |
| 09:37:00 | 140.9       | 1953.24 | 1.614 | 1.24 | 2.859   |
| 09:38:00 | 140.9       | 1953.21 | 1.631 | 1.21 | 2.840   |
| 09:39:00 | 141.0       | 1953.24 | 1.647 | 1.24 | 2.821   |
| 09:40:00 | 140.9       | 1953.23 | 1.664 | 1.23 | 2.803   |
| 09:41:00 | 141.0       | 1953.23 | 1.681 | 1.23 | 2.785   |
| 09:42:00 | 140.9       | 1953.23 | 1.697 | 1.23 | 2.768   |
| 09:43:00 | 141.0       | 1953.23 | 1.714 | 1.23 | 2.750   |
| 09:44:00 | 140.9       | 1953.23 | 1.731 | 1.23 | 2.734   |
| 09:45:00 | 140.9       | 1953.24 | 1.747 | 1.24 | 2.717   |
| 09:46:00 | 140.9       | 1953.25 | 1.764 | 1.25 | 2.701   |
| 09:47:00 | 140.9       | 1953.23 | 1.781 | 1.23 | 2.685   |
| 09:48:00 | 140.9       | 1953.23 | 1.797 | 1.23 | 2.669   |
| 09:49:00 | 141.0       | 1953.22 | 1.814 | 1.22 | 2.654   |
| 09:50:00 | 140.9       | 1953.21 | 1.831 | 1.21 | 2.639   |
| 09:51:00 | 141.0       | 1953.20 | 1.847 | 1.20 | 2.624   |
| 09:52:00 | 141.0       | 1953.22 | 1.864 | 1.22 | 2.610   |
| 09:53:00 | 141.0       | 1953.22 | 1.881 | 1.22 | 2.595   |
| 09:54:00 | 140.9       | 1953.23 | 1.897 | 1.23 | 2.581   |
| 09:55:00 | 141.0       | 1953.22 | 1.914 | 1.22 | 2.567   |
| 09:56:00 | 141.0       | 1953.22 | 1.931 | 1.22 | 2.554   |
| 09:57:00 | 140.9       | 1953.19 | 1.947 | 1.19 | 2.541   |
| 09:58:00 | 140.9       | 1953.21 | 1.964 | 1.21 | 2.528   |
| 09:59:00 | 140.9       | 1953.21 | 1.981 | 1.21 | 2.515   |
| 10:00:00 | 141.0       | 1953.22 | 1.997 | 1.22 | 2.502   |
| 10:01:00 | 141.0       | 1953.22 | 2.014 | 1.22 | 2.490   |
| 10:02:00 | 141.0       | 1953.23 | 2.031 | 1.23 | 2.477   |



Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt    | Dp   | T+Dt/Dt |
|----------|-------------|---------|-------|------|---------|
| 10:03:00 | 141.0       | 1953.22 | 2.047 | 1.22 | 2.465   |
| 10:04:00 | 140.9       | 1953.20 | 2.064 | 1.20 | 2.454   |
| 10:05:00 | 141.0       | 1953.21 | 2.081 | 1.21 | 2.442   |
| 10:06:00 | 140.9       | 1953.22 | 2.097 | 1.22 | 2.430   |
| 10:07:00 | 141.0       | 1953.22 | 2.114 | 1.22 | 2.419   |
| 10:08:00 | 141.0       | 1953.24 | 2.131 | 1.24 | 2.408   |
| 10:09:00 | 141.0       | 1953.24 | 2.147 | 1.24 | 2.397   |
| 10:10:00 | 141.0       | 1953.25 | 2.164 | 1.25 | 2.386   |
| 10:11:00 | 140.9       | 1953.21 | 2.181 | 1.21 | 2.376   |
| 10:12:00 | 141.0       | 1953.22 | 2.197 | 1.22 | 2.365   |
| 10:13:00 | 140.9       | 1953.19 | 2.214 | 1.19 | 2.355   |
| 10:14:00 | 141.0       | 1953.02 | 2.231 | 1.02 | 2.345   |
| 10:15:00 | 141.0       | 1952.44 | 2.247 | .44  | 2.335   |
| 10:16:00 | 141.0       | 1952.40 | 2.264 | .40  | 2.325   |
| 10:17:00 | 141.0       | 1952.38 | 2.281 | .38  | 2.315   |
| 10:18:00 | 140.9       | 1952.38 | 2.297 | .38  | 2.306   |
| 10:19:00 | 140.9       | 1952.40 | 2.314 | .40  | 2.297   |
| 10:20:00 | 141.0       | 1952.40 | 2.331 | .40  | 2.287   |
| 10:21:00 | 140.9       | 1952.40 | 2.347 | .40  | 2.278   |
| 10:22:00 | 140.9       | 1952.39 | 2.364 | .39  | 2.269   |
| 10:23:00 | 140.9       | 1952.40 | 2.381 | .40  | 2.260   |
| 10:24:00 | 141.0       | 1952.39 | 2.397 | .39  | 2.251   |
| 10:25:00 | 140.9       | 1952.38 | 2.414 | .38  | 2.243   |
| 10:26:00 | 141.0       | 1952.40 | 2.431 | .40  | 2.234   |
| 10:27:00 | 141.0       | 1952.64 | 2.447 | .64  | 2.226   |
| 10:28:00 | 141.0       | 1952.68 | 2.464 | .68  | 2.218   |
| 10:29:00 | 140.9       | 1952.67 | 2.481 | .67  | 2.209   |
| 10:30:00 | 141.0       | 1952.66 | 2.497 | .66  | 2.201   |
| 10:31:00 | 141.0       | 1952.65 | 2.514 | .65  | 2.193   |
| 10:32:00 | 140.9       | 1952.62 | 2.531 | .62  | 2.186   |
| 10:33:00 | 141.0       | 1952.63 | 2.547 | .63  | 2.178   |
| 10:34:00 | 140.9       | 1952.63 | 2.564 | .63  | 2.170   |
| 10:35:00 | 141.0       | 1952.63 | 2.581 | .63  | 2.163   |
| 10:36:00 | 140.9       | 1952.63 | 2.597 | .63  | 2.155   |
| 10:37:00 | 140.9       | 1952.62 | 2.614 | .62  | 2.148   |
| 10:38:00 | 141.0       | 1952.62 | 2.631 | .62  | 2.140   |
| 10:39:00 | 141.0       | 1952.66 | 2.647 | .66  | 2.133   |
| 10:40:00 | 140.9       | 1952.60 | 2.664 | .60  | 2.126   |
| 10:41:00 | 140.9       | 1952.59 | 2.681 | .59  | 2.119   |
| 10:42:00 | 141.0       | 1952.60 | 2.697 | .60  | 2.112   |
| 10:43:00 | 141.0       | 1952.58 | 2.714 | .58  | 2.105   |
| 10:44:00 | 141.0       | 1952.56 | 2.731 | .56  | 2.099   |
| 10:45:00 | 141.0       | 1952.56 | 2.747 | .56  | 2.092   |
| 10:46:00 | 140.9       | 1952.55 | 2.764 | .55  | 2.085   |
| 10:47:00 | 141.0       | 1952.61 | 2.781 | .61  | 2.079   |
| 10:48:00 | 140.9       | 1952.57 | 2.797 | .57  | 2.072   |
| 10:49:00 | 141.0       | 1952.54 | 2.814 | .54  | 2.066   |
| 10:50:00 | 140.9       | 1952.49 | 2.831 | .49  | 2.060   |
| 10:51:00 | 140.9       | 1952.53 | 2.847 | .53  | 2.054   |
| 10:52:00 | 141.0       | 1952.54 | 2.864 | .54  | 2.048   |
| 10:53:00 | 140.9       | 1952.55 | 2.881 | .55  | 2.041   |
| 10:54:00 | 140.9       | 1952.56 | 2.897 | .56  | 2.035   |
| 10:55:00 | 140.9       | 1952.55 | 2.914 | .55  | 2.030   |
| 10:56:00 | 141.0       | 1952.50 | 2.931 | .50  | 2.024   |
| 10:57:00 | 141.0       | 1952.49 | 2.947 | .49  | 2.018   |
| 10:58:00 | 140.9       | 1952.45 | 2.964 | .45  | 2.012   |
| 10:59:00 | 140.9       | 1952.40 | 2.981 | .40  | 2.007   |
| 10:59:40 | 141.0       | 1952.40 | 2.992 | .40  | 2.003   |
| 10:59:50 | 141.0       | 1952.39 | 2.994 | .39  | 2.002   |
| 11:00:00 | 140.9       | 1952.38 | 2.997 | .38  | 2.001   |

Well Name: NORTH PAARATTIE #2 . Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

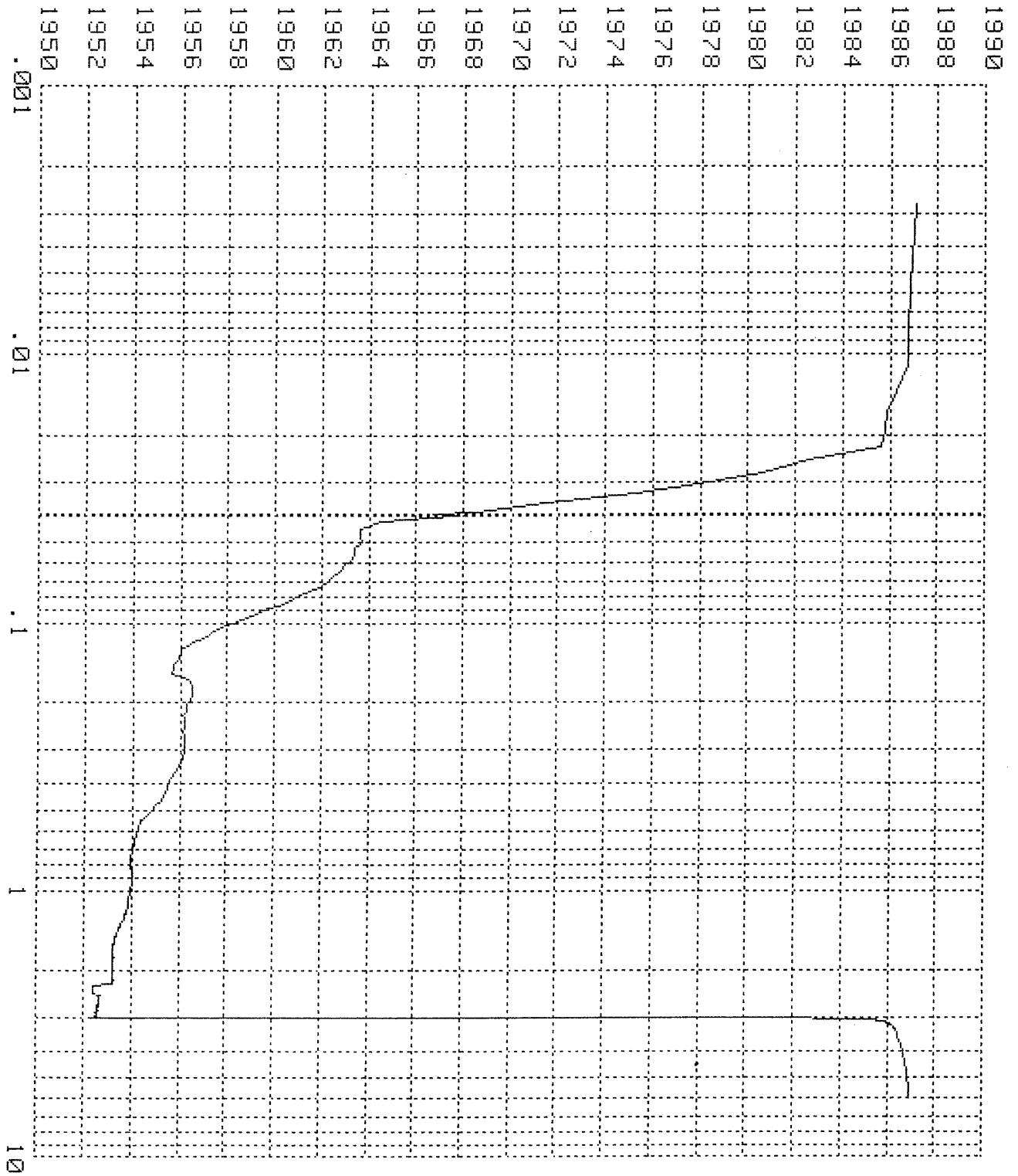
| Time     | Temperature | PSIA    | Dt    | Dp  | T+Dt/Dt |
|----------|-------------|---------|-------|-----|---------|
| 11:00:10 | 140.9       | 1952.39 | 3.000 | .39 | 2.000   |

GO INTERNATIONAL AUSTRALIA  
LINEAR PRESSURE VS. LOG TIME

BEACH PETROLEUM NORTH PAARATTIE #2 26/64 CHOKE

Start of plot: 08:00:10 Date: 15/03/81  
Finish of plot : 14:00:20 Date: 15/03/81

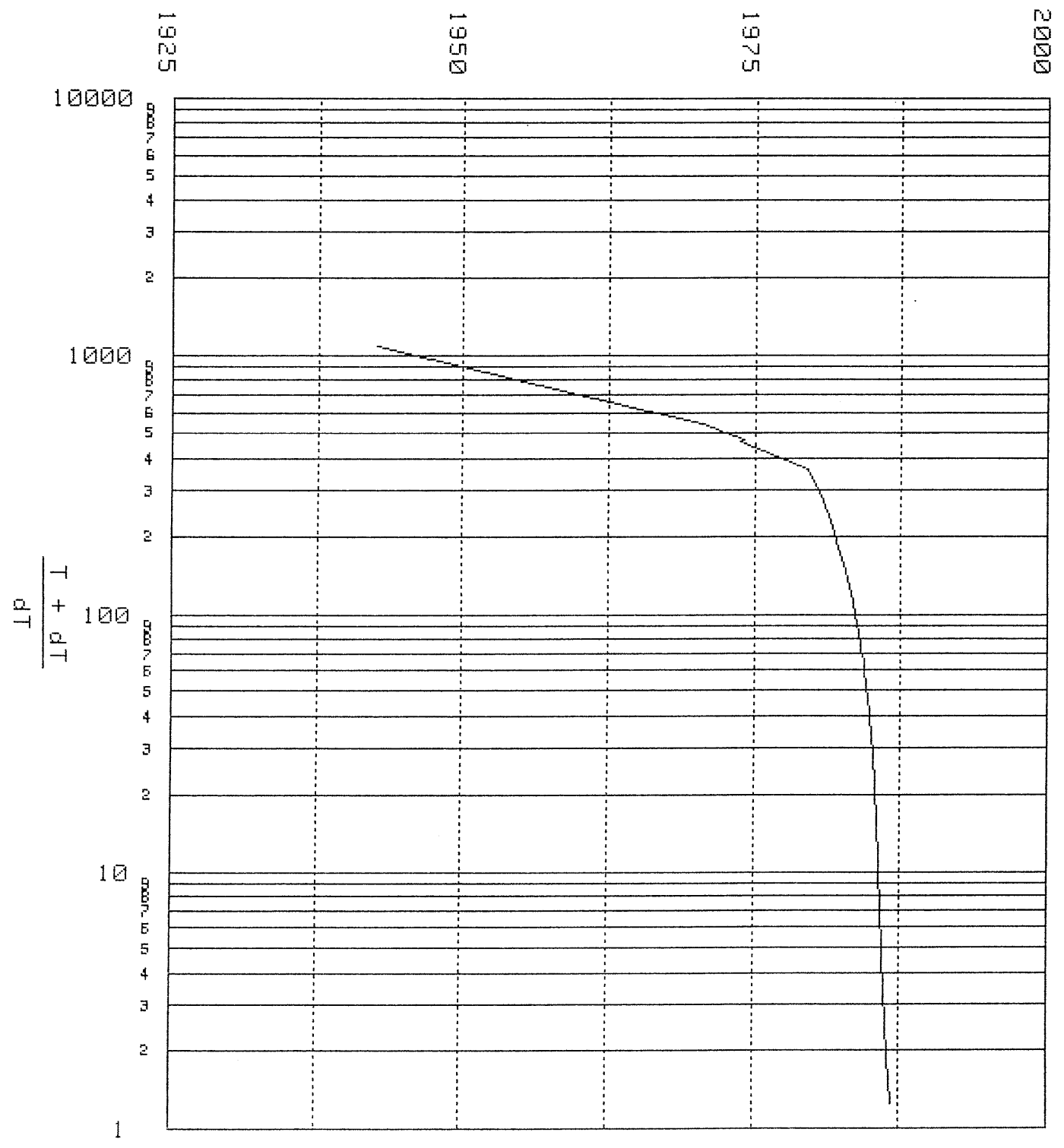
\*\*\*\*\* Pressure (PSIA) \*\*\*\*\*



\*\*\*\* DT (Hours) \*\*\*\*

GO INTERNATIONAL AUSTRALIA - HORNER PLOT  
 BEACH PETROLEUM NORTH PARRATTIE #2 30/64 CHOKE  
 Time well flowed:14:00:20 Date: 15/03/81  
 Time well shut in:17:00:20 Date: 15/03/81  
 Time build-up completed:06:11:00 Date:16/03/81

Pressure (PSIA)



Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt   | Dp    | T+Dt/Dt  |
|----------|-------------|---------|------|-------|----------|
| 17:00:30 | 140.7       | 1942.49 | .003 | 7.51  | 1081.000 |
| 17:00:40 | 141.2       | 1970.51 | .006 | 35.53 | 541.000  |
| 17:00:50 | 141.4       | 1979.57 | .008 | 44.59 | 361.000  |
| 17:01:00 | 141.5       | 1980.78 | .011 | 45.80 | 271.000  |
| 17:01:10 | 141.4       | 1981.59 | .014 | 46.61 | 217.000  |
| 17:01:20 | 141.4       | 1982.19 | .017 | 47.21 | 181.000  |
| 17:01:30 | 141.4       | 1982.62 | .019 | 47.64 | 155.286  |
| 17:01:40 | 141.4       | 1982.97 | .022 | 47.99 | 136.000  |
| 17:01:50 | 141.3       | 1983.23 | .025 | 48.25 | 121.000  |
| 17:02:00 | 141.3       | 1983.47 | .028 | 48.49 | 109.000  |
| 17:02:10 | 141.3       | 1983.65 | .031 | 48.67 | 99.182   |
| 17:02:20 | 141.3       | 1983.79 | .033 | 48.81 | 91.000   |
| 17:02:30 | 141.2       | 1983.92 | .036 | 48.94 | 84.077   |
| 17:02:40 | 141.2       | 1984.02 | .039 | 49.04 | 78.143   |
| 17:02:50 | 141.2       | 1984.12 | .042 | 49.14 | 73.000   |
| 17:03:00 | 141.2       | 1984.21 | .044 | 49.23 | 68.500   |
| 17:03:10 | 141.2       | 1984.31 | .047 | 49.33 | 64.529   |
| 17:03:20 | 141.2       | 1984.37 | .050 | 49.39 | 61.000   |
| 17:03:30 | 141.2       | 1984.44 | .053 | 49.46 | 57.842   |
| 17:03:40 | 141.2       | 1984.50 | .056 | 49.52 | 55.000   |
| 17:03:50 | 141.1       | 1984.55 | .058 | 49.57 | 52.429   |
| 17:04:00 | 141.1       | 1984.61 | .061 | 49.63 | 50.091   |
| 17:04:10 | 141.1       | 1984.65 | .064 | 49.67 | 47.957   |
| 17:04:20 | 141.1       | 1984.71 | .067 | 49.73 | 46.000   |
| 17:04:30 | 141.2       | 1984.76 | .069 | 49.78 | 44.200   |
| 17:04:40 | 141.2       | 1984.82 | .072 | 49.84 | 42.538   |
| 17:04:50 | 141.1       | 1984.84 | .075 | 49.86 | 41.000   |
| 17:05:00 | 141.1       | 1984.87 | .078 | 49.89 | 39.571   |
| 17:05:10 | 141.1       | 1984.90 | .081 | 49.92 | 38.241   |
| 17:05:20 | 141.1       | 1984.94 | .083 | 49.96 | 37.000   |
| 17:05:30 | 141.1       | 1984.97 | .086 | 49.99 | 35.839   |
| 17:05:40 | 141.1       | 1984.99 | .089 | 50.01 | 34.750   |
| 17:05:50 | 141.0       | 1985.03 | .092 | 50.05 | 33.727   |
| 17:06:00 | 141.0       | 1985.05 | .094 | 50.07 | 32.765   |
| 17:06:10 | 141.1       | 1985.07 | .097 | 50.09 | 31.857   |
| 17:06:20 | 141.1       | 1985.09 | .100 | 50.11 | 31.000   |
| 17:06:30 | 141.0       | 1985.11 | .103 | 50.13 | 30.189   |
| 17:06:40 | 141.1       | 1985.13 | .106 | 50.15 | 29.421   |
| 17:06:50 | 141.1       | 1985.15 | .108 | 50.17 | 28.692   |
| 17:07:00 | 141.1       | 1985.17 | .111 | 50.19 | 28.000   |
| 17:07:10 | 141.1       | 1985.19 | .114 | 50.21 | 27.341   |
| 17:07:20 | 141.0       | 1985.21 | .117 | 50.23 | 26.714   |
| 17:07:30 | 141.1       | 1985.22 | .119 | 50.24 | 26.116   |
| 17:07:40 | 141.0       | 1985.23 | .122 | 50.25 | 25.545   |
| 17:07:50 | 141.1       | 1985.24 | .125 | 50.26 | 25.000   |
| 17:08:00 | 141.0       | 1985.27 | .128 | 50.29 | 24.478   |
| 17:08:10 | 141.1       | 1985.27 | .131 | 50.29 | 23.979   |
| 17:08:20 | 141.0       | 1985.28 | .133 | 50.30 | 23.500   |
| 17:08:30 | 141.1       | 1985.30 | .136 | 50.32 | 23.041   |
| 17:08:40 | 141.0       | 1985.31 | .139 | 50.33 | 22.600   |
| 17:08:50 | 141.0       | 1985.32 | .142 | 50.34 | 22.176   |
| 17:09:00 | 141.0       | 1985.33 | .144 | 50.35 | 21.769   |
| 17:09:10 | 141.0       | 1985.34 | .147 | 50.36 | 21.377   |
| 17:09:20 | 141.0       | 1985.36 | .150 | 50.38 | 21.000   |
| 17:09:30 | 141.0       | 1985.37 | .153 | 50.39 | 20.636   |
| 17:09:40 | 141.0       | 1985.38 | .156 | 50.40 | 20.286   |
| 17:09:50 | 141.0       | 1985.39 | .158 | 50.41 | 19.947   |
| 17:10:00 | 141.0       | 1985.40 | .161 | 50.42 | 19.621   |
| 17:10:30 | 141.1       | 1985.41 | .169 | 50.43 | 18.705   |
| 17:11:00 | 141.0       | 1985.44 | .178 | 50.46 | 17.875   |
| 17:11:30 | 141.1       | 1985.46 | .186 | 50.48 | 17.119   |

Well Name: NORTH PARRATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt    | Dp    | T+Dt/Dt |
|----------|-------------|---------|-------|-------|---------|
| 17:12:00 | 141.0       | 1985.48 | .194  | 50.50 | 16.429  |
| 17:12:30 | 141.0       | 1985.49 | .203  | 50.51 | 15.795  |
| 17:13:00 | 141.0       | 1985.52 | .211  | 50.54 | 15.211  |
| 17:13:30 | 141.0       | 1985.54 | .219  | 50.56 | 14.671  |
| 17:14:00 | 141.0       | 1985.56 | .228  | 50.58 | 14.171  |
| 17:14:30 | 141.0       | 1985.56 | .236  | 50.58 | 13.706  |
| 17:15:00 | 141.0       | 1985.57 | .244  | 50.59 | 13.273  |
| 17:15:30 | 141.0       | 1985.60 | .253  | 50.62 | 12.868  |
| 17:16:00 | 141.0       | 1985.60 | .261  | 50.62 | 12.489  |
| 17:16:30 | 141.0       | 1985.62 | .269  | 50.64 | 12.134  |
| 17:17:00 | 141.0       | 1985.63 | .278  | 50.65 | 11.800  |
| 17:17:30 | 141.0       | 1985.64 | .286  | 50.66 | 11.485  |
| 17:18:00 | 141.0       | 1985.64 | .294  | 50.66 | 11.189  |
| 17:18:30 | 141.0       | 1985.66 | .303  | 50.68 | 10.908  |
| 17:19:00 | 141.0       | 1985.68 | .311  | 50.70 | 10.643  |
| 17:19:30 | 140.9       | 1985.67 | .319  | 50.69 | 10.391  |
| 17:20:00 | 141.0       | 1985.70 | .328  | 50.72 | 10.153  |
| 17:21:00 | 141.0       | 1985.70 | .344  | 50.72 | 9.710   |
| 17:22:00 | 140.9       | 1985.71 | .361  | 50.73 | 9.308   |
| 17:23:00 | 141.0       | 1985.74 | .378  | 50.76 | 8.941   |
| 17:24:00 | 140.9       | 1985.74 | .394  | 50.76 | 8.606   |
| 17:25:00 | 141.0       | 1985.77 | .411  | 50.79 | 8.297   |
| 17:26:00 | 141.0       | 1985.78 | .428  | 50.80 | 8.013   |
| 17:27:00 | 141.0       | 1985.81 | .444  | 50.83 | 7.750   |
| 17:28:00 | 141.0       | 1985.80 | .461  | 50.82 | 7.506   |
| 17:29:00 | 141.0       | 1985.82 | .478  | 50.84 | 7.279   |
| 17:30:00 | 141.0       | 1985.83 | .494  | 50.85 | 7.067   |
| 17:31:00 | 140.9       | 1985.83 | .511  | 50.85 | 6.870   |
| 17:32:00 | 141.0       | 1985.86 | .528  | 50.88 | 6.684   |
| 17:33:00 | 141.0       | 1985.87 | .544  | 50.89 | 6.510   |
| 17:34:00 | 141.0       | 1985.88 | .561  | 50.90 | 6.347   |
| 17:35:00 | 141.0       | 1985.88 | .578  | 50.90 | 6.192   |
| 17:36:00 | 141.0       | 1985.89 | .594  | 50.91 | 6.047   |
| 17:37:00 | 141.0       | 1985.91 | .611  | 50.93 | 5.909   |
| 17:38:00 | 141.0       | 1985.92 | .628  | 50.94 | 5.779   |
| 17:39:00 | 141.0       | 1985.93 | .644  | 50.95 | 5.655   |
| 17:40:00 | 141.0       | 1985.94 | .661  | 50.96 | 5.538   |
| 17:41:00 | 141.0       | 1985.95 | .678  | 50.97 | 5.426   |
| 17:42:00 | 141.0       | 1985.95 | .694  | 50.97 | 5.320   |
| 17:43:00 | 141.0       | 1985.95 | .711  | 50.97 | 5.219   |
| 17:44:00 | 141.0       | 1985.97 | .728  | 50.99 | 5.122   |
| 17:45:00 | 141.0       | 1985.99 | .744  | 51.01 | 5.030   |
| 17:46:00 | 141.1       | 1985.99 | .761  | 51.01 | 4.942   |
| 17:47:00 | 141.0       | 1985.99 | .778  | 51.01 | 4.857   |
| 17:48:00 | 141.0       | 1986.01 | .794  | 51.03 | 4.776   |
| 17:49:00 | 141.0       | 1986.01 | .811  | 51.03 | 4.699   |
| 17:50:00 | 141.0       | 1986.02 | .828  | 51.04 | 4.624   |
| 17:51:00 | 141.0       | 1986.03 | .844  | 51.05 | 4.553   |
| 17:52:00 | 141.1       | 1986.03 | .861  | 51.05 | 4.484   |
| 17:53:00 | 141.0       | 1986.05 | .878  | 51.07 | 4.418   |
| 17:54:00 | 141.1       | 1986.04 | .894  | 51.06 | 4.354   |
| 17:55:00 | 141.0       | 1986.05 | .911  | 51.07 | 4.293   |
| 17:56:00 | 141.0       | 1986.06 | .928  | 51.08 | 4.234   |
| 17:57:00 | 141.0       | 1986.06 | .944  | 51.08 | 4.176   |
| 17:58:00 | 141.1       | 1986.06 | .961  | 51.08 | 4.121   |
| 17:59:00 | 141.0       | 1986.07 | .978  | 51.09 | 4.068   |
| 18:00:00 | 141.1       | 1986.08 | .994  | 51.10 | 4.017   |
| 18:10:00 | 141.0       | 1986.14 | 1.161 | 51.16 | 3.584   |
| 18:20:00 | 141.1       | 1986.18 | 1.328 | 51.20 | 3.259   |
| 18:30:00 | 141.1       | 1986.23 | 1.494 | 51.25 | 3.007   |

Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt     | Dp    | T+Dt/Dt |
|----------|-------------|---------|--------|-------|---------|
| 18:40:00 | 141.1       | 1986.27 | 1.661  | 51.29 | 2.806   |
| 18:50:00 | 141.1       | 1986.30 | 1.828  | 51.32 | 2.641   |
| 19:00:00 | 141.1       | 1986.33 | 1.994  | 51.35 | 2.504   |
| 19:10:00 | 141.1       | 1986.33 | 2.161  | 51.35 | 2.388   |
| 19:20:00 | 141.1       | 1986.35 | 2.328  | 51.37 | 2.289   |
| 19:30:00 | 141.1       | 1986.38 | 2.494  | 51.40 | 2.203   |
| 19:40:00 | 141.2       | 1986.40 | 2.661  | 51.42 | 2.127   |
| 19:50:00 | 141.1       | 1986.42 | 2.828  | 51.44 | 2.061   |
| 20:00:00 | 141.2       | 1986.44 | 2.994  | 51.46 | 2.002   |
| 20:10:00 | 141.2       | 1986.47 | 3.161  | 51.49 | 1.949   |
| 20:20:00 | 141.2       | 1986.46 | 3.328  | 51.48 | 1.902   |
| 20:30:00 | 141.2       | 1986.48 | 3.494  | 51.50 | 1.859   |
| 20:40:00 | 141.2       | 1986.51 | 3.661  | 51.53 | 1.819   |
| 20:50:00 | 141.2       | 1986.51 | 3.828  | 51.53 | 1.784   |
| 21:00:00 | 141.2       | 1986.54 | 3.994  | 51.56 | 1.751   |
| 21:10:00 | 141.2       | 1986.54 | 4.161  | 51.56 | 1.721   |
| 21:20:00 | 141.3       | 1986.55 | 4.328  | 51.57 | 1.693   |
| 21:30:00 | 141.2       | 1986.56 | 4.494  | 51.58 | 1.667   |
| 21:40:00 | 141.2       | 1986.57 | 4.661  | 51.59 | 1.644   |
| 21:50:00 | 141.2       | 1986.58 | 4.828  | 51.60 | 1.621   |
| 22:00:00 | 141.3       | 1986.58 | 4.994  | 51.60 | 1.601   |
| 22:10:00 | 141.3       | 1986.60 | 5.161  | 51.62 | 1.581   |
| 22:20:00 | 141.3       | 1986.61 | 5.328  | 51.63 | 1.563   |
| 22:30:00 | 141.2       | 1986.61 | 5.494  | 51.63 | 1.546   |
| 22:40:00 | 141.2       | 1986.61 | 5.661  | 51.63 | 1.530   |
| 22:50:00 | 141.3       | 1986.64 | 5.828  | 51.66 | 1.515   |
| 23:00:00 | 141.3       | 1986.64 | 5.994  | 51.66 | 1.500   |
| 23:30:00 | 141.2       | 1986.65 | 6.494  | 51.67 | 1.462   |
| 16/03/81 |             |         |        |       |         |
| 00:00:00 | 141.2       | 1986.67 | 6.994  | 51.69 | 1.429   |
| 00:30:00 | 141.3       | 1986.70 | 7.494  | 51.72 | 1.400   |
| 01:00:00 | 141.2       | 1986.70 | 7.994  | 51.72 | 1.375   |
| 01:30:00 | 141.3       | 1986.74 | 8.494  | 51.76 | 1.353   |
| 02:00:00 | 141.2       | 1986.73 | 8.994  | 51.75 | 1.334   |
| 02:30:00 | 141.3       | 1986.76 | 9.494  | 51.78 | 1.316   |
| 03:00:00 | 141.3       | 1986.78 | 9.994  | 51.80 | 1.300   |
| 03:30:00 | 141.3       | 1986.78 | 10.494 | 51.80 | 1.286   |
| 04:00:00 | 141.3       | 1986.80 | 10.994 | 51.82 | 1.273   |
| 04:30:00 | 141.3       | 1986.81 | 11.494 | 51.83 | 1.261   |
| 05:00:00 | 141.4       | 1986.82 | 11.994 | 51.84 | 1.250   |
| 05:30:00 | 141.3       | 1986.83 | 12.494 | 51.85 | 1.240   |
| 06:00:00 | 141.3       | 1986.86 | 12.994 | 51.88 | 1.231   |
| 06:07:00 | 141.3       | 1986.86 | 13.111 | 51.88 | 1.229   |
| 06:08:00 | 141.3       | 1986.86 | 13.128 | 51.88 | 1.229   |
| 06:09:00 | 141.3       | 1986.86 | 13.144 | 51.88 | 1.228   |
| 06:10:00 | 141.3       | 1986.86 | 13.161 | 51.88 | 1.228   |
| 06:11:00 | 141.3       | 1986.84 | 13.178 | 51.86 | 1.228   |

GO INTERNATIONAL AUSTRALIA

dP/dT PLOT

Build-up

BEACH PETROLEUM

NORTH PARATTIE #2

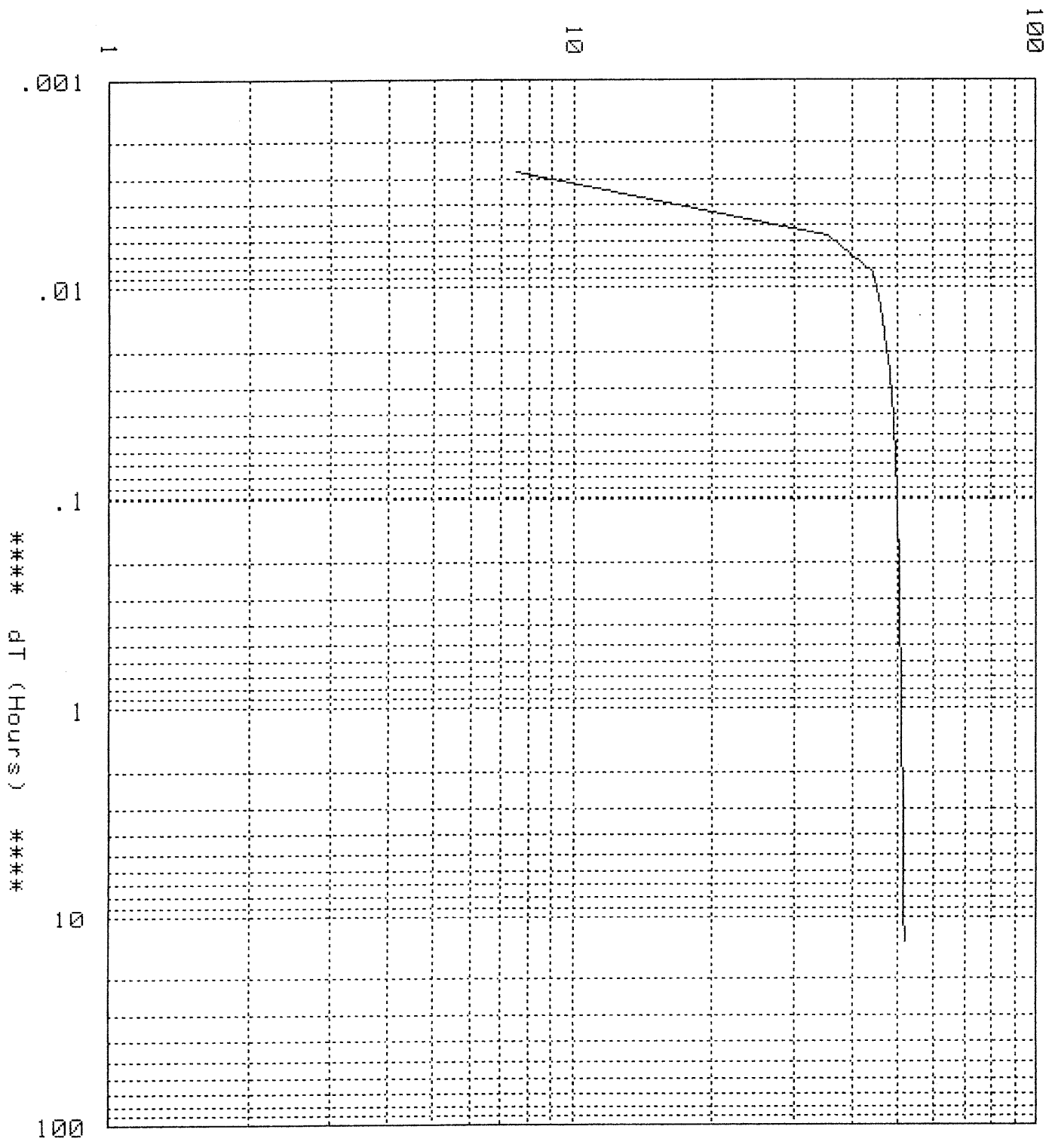
30/64 CHOKE

Time well flowed: 14:00:20 Date: 15/03/81

Time well shut in: 17:00:20 Date: 15/03/81

Time build-up completed: 06:11:00 Date: 16/03/81

\*\*\*\*\* dP (PSIA) \*\*\*\*\*



\*\*\*\*\*  
tP (Hours)  
\*\*\*\*\*

100



GO INTERNATIONAL AUSTRALIA

dP/dT PLOT

Drawdown

BEACH PETROLEUM

NORTH PAARATTIE #2

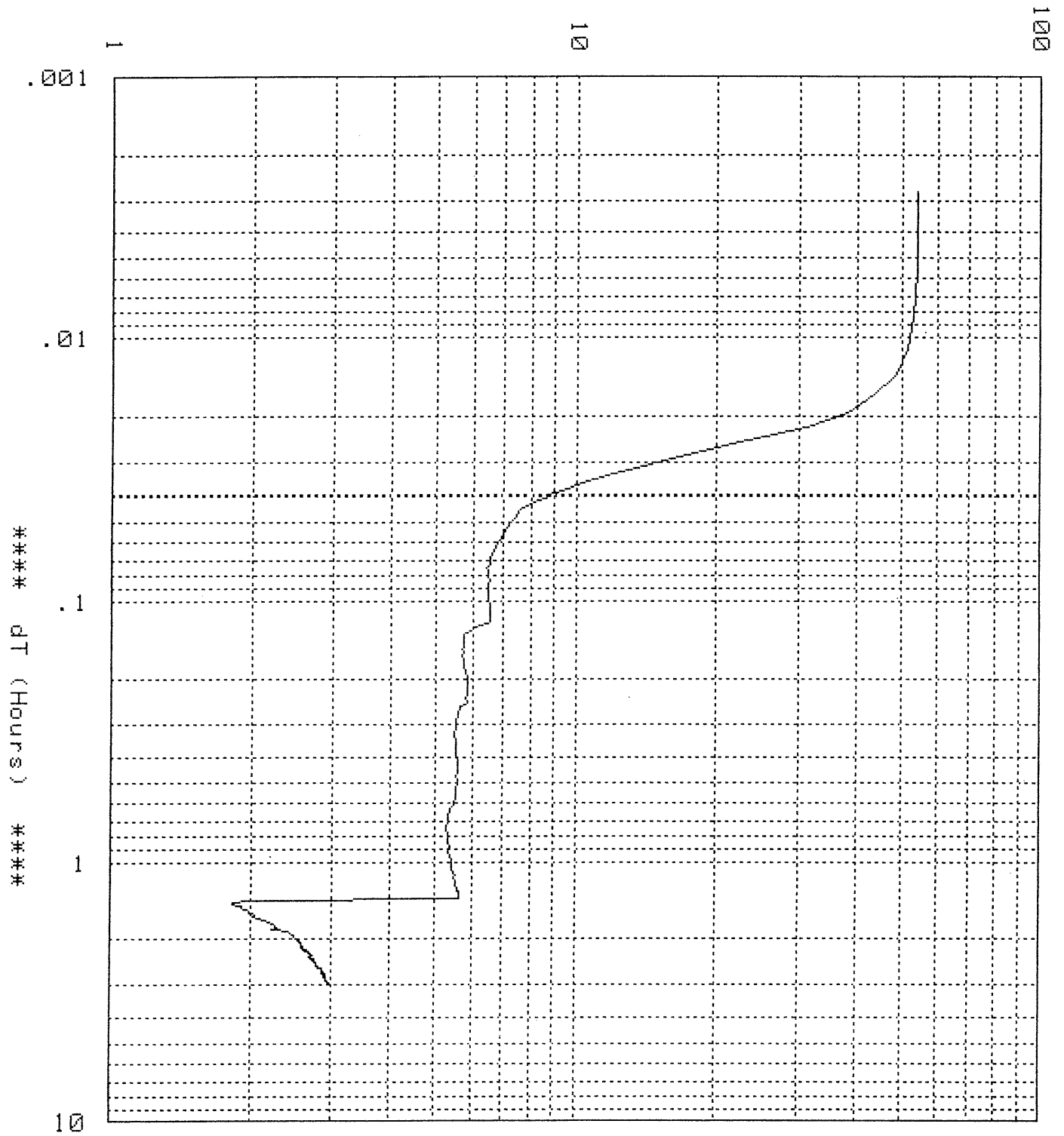
30/64 CHOKE

Time well flowed: 14:00:20 Date: 15/03/81

Time well shut in: 17:00:20 Date: 15/03/81

Time build-up completed: 06:11:00 Date: 16/03/81

\*\*\*\*\* dP (PSIA) \*\*\*\*\*



Well Name: NORTH PARRATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt   | Dp    | T+Dt/Dt  |
|----------|-------------|---------|------|-------|----------|
| 14:00:30 | 141.3       | 1985.98 | .003 | 53.98 | 1081.000 |
| 14:00:40 | 141.3       | 1986.22 | .006 | 54.22 | 541.000  |
| 14:00:50 | 141.3       | 1984.95 | .008 | 52.95 | 361.000  |
| 14:01:00 | 141.2       | 1983.44 | .011 | 51.44 | 271.000  |
| 14:01:10 | 141.2       | 1980.89 | .014 | 48.89 | 217.000  |
| 14:01:20 | 141.2       | 1975.74 | .017 | 43.74 | 181.000  |
| 14:01:30 | 141.1       | 1970.14 | .019 | 38.14 | 155.286  |
| 14:01:40 | 141.1       | 1963.27 | .022 | 31.27 | 136.000  |
| 14:01:50 | 141.0       | 1955.33 | .025 | 23.33 | 121.000  |
| 14:02:00 | 140.9       | 1949.93 | .028 | 17.93 | 109.000  |
| 14:02:10 | 141.0       | 1946.41 | .031 | 14.41 | 99.182   |
| 14:02:20 | 140.9       | 1944.00 | .033 | 12.00 | 91.000   |
| 14:02:30 | 140.9       | 1942.29 | .036 | 10.29 | 84.077   |
| 14:02:40 | 140.9       | 1941.04 | .039 | 9.04  | 78.143   |
| 14:02:50 | 140.9       | 1940.10 | .042 | 8.10  | 73.000   |
| 14:03:00 | 140.9       | 1939.60 | .044 | 7.60  | 68.500   |
| 14:03:10 | 140.9       | 1939.41 | .047 | 7.41  | 64.529   |
| 14:03:20 | 140.8       | 1939.26 | .050 | 7.26  | 61.000   |
| 14:03:30 | 140.8       | 1939.13 | .053 | 7.13  | 57.842   |
| 14:03:40 | 140.8       | 1938.99 | .056 | 6.99  | 55.000   |
| 14:03:50 | 140.8       | 1938.86 | .058 | 6.86  | 52.429   |
| 14:04:00 | 140.7       | 1938.78 | .061 | 6.78  | 50.091   |
| 14:04:10 | 140.8       | 1938.66 | .064 | 6.66  | 47.957   |
| 14:04:20 | 140.8       | 1938.58 | .067 | 6.58  | 46.000   |
| 14:04:30 | 140.8       | 1938.53 | .069 | 6.53  | 44.200   |
| 14:04:40 | 140.8       | 1938.50 | .072 | 6.50  | 42.538   |
| 14:04:50 | 140.7       | 1938.43 | .075 | 6.43  | 41.000   |
| 14:05:00 | 140.8       | 1938.48 | .078 | 6.48  | 39.571   |
| 14:05:10 | 140.7       | 1938.48 | .081 | 6.48  | 38.241   |
| 14:05:20 | 140.7       | 1938.51 | .083 | 6.51  | 37.000   |
| 14:05:30 | 140.7       | 1938.49 | .086 | 6.49  | 35.839   |
| 14:05:40 | 140.7       | 1938.49 | .089 | 6.49  | 34.750   |
| 14:05:50 | 140.7       | 1938.49 | .092 | 6.49  | 33.727   |
| 14:06:00 | 140.7       | 1938.48 | .094 | 6.48  | 32.765   |
| 14:06:10 | 140.6       | 1938.48 | .097 | 6.48  | 31.857   |
| 14:06:20 | 140.7       | 1938.46 | .100 | 6.46  | 31.000   |
| 14:06:30 | 140.7       | 1938.53 | .103 | 6.53  | 30.189   |
| 14:06:40 | 140.7       | 1938.52 | .106 | 6.52  | 29.421   |
| 14:06:50 | 140.7       | 1938.53 | .108 | 6.53  | 28.692   |
| 14:07:00 | 140.7       | 1938.53 | .111 | 6.53  | 28.000   |
| 14:07:10 | 140.7       | 1938.52 | .114 | 6.52  | 27.341   |
| 14:07:20 | 140.7       | 1938.55 | .117 | 6.55  | 26.714   |
| 14:07:30 | 140.7       | 1938.55 | .119 | 6.55  | 26.116   |
| 14:07:40 | 140.7       | 1938.39 | .122 | 6.39  | 25.545   |
| 14:07:50 | 140.7       | 1938.15 | .125 | 6.15  | 25.000   |
| 14:08:00 | 140.7       | 1937.98 | .128 | 5.98  | 24.478   |
| 14:08:10 | 140.6       | 1937.89 | .131 | 5.89  | 23.979   |
| 14:08:20 | 140.6       | 1937.80 | .133 | 5.80  | 23.500   |
| 14:08:30 | 140.7       | 1937.75 | .136 | 5.75  | 23.041   |
| 14:08:40 | 140.7       | 1937.74 | .139 | 5.74  | 22.600   |
| 14:08:50 | 140.7       | 1937.75 | .142 | 5.75  | 22.176   |
| 14:09:00 | 140.6       | 1937.73 | .144 | 5.73  | 21.769   |
| 14:09:10 | 140.6       | 1937.73 | .147 | 5.73  | 21.377   |
| 14:09:20 | 140.6       | 1937.71 | .150 | 5.71  | 21.000   |
| 14:09:30 | 140.6       | 1937.70 | .153 | 5.70  | 20.636   |
| 14:09:40 | 140.7       | 1937.71 | .156 | 5.71  | 20.286   |
| 14:09:50 | 140.6       | 1937.71 | .158 | 5.71  | 19.947   |
| 14:10:00 | 140.6       | 1937.69 | .161 | 5.69  | 19.621   |
| 14:10:30 | 140.6       | 1937.73 | .169 | 5.73  | 18.705   |
| 14:11:00 | 140.6       | 1937.75 | .178 | 5.75  | 17.875   |
| 14:11:30 | 140.6       | 1937.81 | .186 | 5.81  | 17.119   |

Well Name: NORTH PARRATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt    | Dp   | T+Dt/Dt |
|----------|-------------|---------|-------|------|---------|
| 14:12:00 | 140.6       | 1937.82 | .194  | 5.82 | 16.429  |
| 14:12:30 | 140.7       | 1937.83 | .203  | 5.83 | 15.795  |
| 14:13:00 | 140.6       | 1937.82 | .211  | 5.82 | 15.211  |
| 14:13:30 | 140.7       | 1937.82 | .219  | 5.82 | 14.671  |
| 14:14:00 | 140.6       | 1937.82 | .228  | 5.82 | 14.171  |
| 14:14:30 | 140.6       | 1937.81 | .236  | 5.81 | 13.706  |
| 14:15:00 | 140.7       | 1937.86 | .244  | 5.86 | 13.273  |
| 14:15:30 | 140.6       | 1937.65 | .253  | 5.65 | 12.868  |
| 14:16:00 | 140.6       | 1937.63 | .261  | 5.63 | 12.489  |
| 14:16:30 | 140.7       | 1937.58 | .269  | 5.58 | 12.134  |
| 14:17:00 | 140.6       | 1937.55 | .278  | 5.55 | 11.800  |
| 14:17:30 | 140.7       | 1937.52 | .286  | 5.52 | 11.485  |
| 14:18:00 | 140.6       | 1937.53 | .294  | 5.53 | 11.189  |
| 14:18:30 | 140.6       | 1937.51 | .303  | 5.51 | 10.908  |
| 14:19:00 | 140.7       | 1937.52 | .311  | 5.52 | 10.643  |
| 14:19:30 | 140.6       | 1937.49 | .319  | 5.49 | 10.391  |
| 14:20:00 | 140.6       | 1937.49 | .328  | 5.49 | 10.153  |
| 14:21:00 | 140.6       | 1937.50 | .344  | 5.50 | 9.710   |
| 14:22:00 | 140.6       | 1937.53 | .361  | 5.53 | 9.308   |
| 14:23:00 | 140.6       | 1937.54 | .378  | 5.54 | 8.941   |
| 14:24:00 | 140.6       | 1937.51 | .394  | 5.51 | 8.606   |
| 14:25:00 | 140.6       | 1937.55 | .411  | 5.55 | 8.297   |
| 14:26:00 | 140.7       | 1937.60 | .428  | 5.60 | 8.013   |
| 14:27:00 | 140.6       | 1937.57 | .444  | 5.57 | 7.750   |
| 14:28:00 | 140.6       | 1937.56 | .461  | 5.56 | 7.506   |
| 14:29:00 | 140.6       | 1937.53 | .478  | 5.53 | 7.279   |
| 14:30:00 | 140.6       | 1937.57 | .494  | 5.57 | 7.067   |
| 14:31:00 | 140.6       | 1937.55 | .511  | 5.55 | 6.870   |
| 14:32:00 | 140.7       | 1937.53 | .528  | 5.53 | 6.684   |
| 14:33:00 | 140.7       | 1937.54 | .544  | 5.54 | 6.510   |
| 14:34:00 | 140.6       | 1937.52 | .561  | 5.52 | 6.347   |
| 14:35:00 | 140.6       | 1937.52 | .578  | 5.52 | 6.192   |
| 14:36:00 | 140.6       | 1937.45 | .594  | 5.45 | 6.047   |
| 14:37:00 | 140.6       | 1937.47 | .611  | 5.47 | 5.909   |
| 14:38:00 | 140.6       | 1937.39 | .628  | 5.39 | 5.779   |
| 14:39:00 | 140.6       | 1937.37 | .644  | 5.37 | 5.655   |
| 14:40:00 | 140.6       | 1937.34 | .661  | 5.34 | 5.538   |
| 14:41:00 | 140.6       | 1937.30 | .678  | 5.30 | 5.426   |
| 14:42:00 | 140.6       | 1937.31 | .694  | 5.31 | 5.320   |
| 14:43:00 | 140.6       | 1937.30 | .711  | 5.30 | 5.219   |
| 14:44:00 | 140.6       | 1937.28 | .728  | 5.28 | 5.122   |
| 14:45:00 | 140.6       | 1937.29 | .744  | 5.29 | 5.030   |
| 14:46:00 | 140.6       | 1937.28 | .761  | 5.28 | 4.942   |
| 14:47:00 | 140.6       | 1937.30 | .778  | 5.30 | 4.857   |
| 14:48:00 | 140.6       | 1937.30 | .794  | 5.30 | 4.776   |
| 14:49:00 | 140.6       | 1937.31 | .811  | 5.31 | 4.699   |
| 14:50:00 | 140.6       | 1937.30 | .828  | 5.30 | 4.624   |
| 14:51:00 | 140.6       | 1937.32 | .844  | 5.32 | 4.553   |
| 14:52:00 | 140.6       | 1937.32 | .861  | 5.32 | 4.484   |
| 14:53:00 | 140.6       | 1937.36 | .878  | 5.36 | 4.418   |
| 14:54:00 | 140.6       | 1937.33 | .894  | 5.33 | 4.354   |
| 14:55:00 | 140.6       | 1937.31 | .911  | 5.31 | 4.293   |
| 14:56:00 | 140.6       | 1937.32 | .928  | 5.32 | 4.234   |
| 14:57:00 | 140.7       | 1937.36 | .944  | 5.36 | 4.176   |
| 14:58:00 | 140.7       | 1937.38 | .961  | 5.38 | 4.121   |
| 14:59:00 | 140.6       | 1937.40 | .978  | 5.40 | 4.068   |
| 15:00:00 | 140.7       | 1937.40 | .994  | 5.40 | 4.017   |
| 15:01:00 | 140.6       | 1937.42 | 1.011 | 5.42 | 3.967   |
| 15:02:00 | 140.6       | 1937.43 | 1.028 | 5.43 | 3.919   |
| 15:03:00 | 140.7       | 1937.43 | 1.044 | 5.43 | 3.872   |

Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt    | Dp   | T+Dt/Dt |
|----------|-------------|---------|-------|------|---------|
| 15:04:00 | 140.6       | 1937.43 | 1.061 | 5.43 | 3.827   |
| 15:05:00 | 140.6       | 1937.43 | 1.078 | 5.43 | 3.784   |
| 15:06:00 | 140.6       | 1937.45 | 1.094 | 5.45 | 3.741   |
| 15:07:00 | 140.6       | 1937.49 | 1.111 | 5.49 | 3.700   |
| 15:08:00 | 140.7       | 1937.50 | 1.128 | 5.50 | 3.660   |
| 15:09:00 | 140.6       | 1937.49 | 1.144 | 5.49 | 3.621   |
| 15:10:00 | 140.6       | 1937.47 | 1.161 | 5.47 | 3.584   |
| 15:11:00 | 140.6       | 1937.51 | 1.178 | 5.51 | 3.547   |
| 15:12:00 | 140.6       | 1937.53 | 1.194 | 5.53 | 3.512   |
| 15:13:00 | 140.6       | 1937.52 | 1.211 | 5.52 | 3.477   |
| 15:14:00 | 140.6       | 1937.53 | 1.228 | 5.53 | 3.443   |
| 15:15:00 | 140.6       | 1937.53 | 1.244 | 5.53 | 3.411   |
| 15:16:00 | 140.6       | 1937.55 | 1.261 | 5.55 | 3.379   |
| 15:17:00 | 140.7       | 1937.58 | 1.278 | 5.58 | 3.348   |
| 15:18:00 | 140.6       | 1937.57 | 1.294 | 5.57 | 3.318   |
| 15:19:00 | 140.7       | 1937.61 | 1.311 | 5.61 | 3.288   |
| 15:20:00 | 140.6       | 1937.61 | 1.328 | 5.61 | 3.259   |
| 15:21:00 | 140.6       | 1937.63 | 1.344 | 5.63 | 3.231   |
| 15:22:00 | 140.6       | 1937.65 | 1.361 | 5.65 | 3.204   |
| 15:23:00 | 140.6       | 1937.65 | 1.378 | 5.65 | 3.177   |
| 15:24:00 | 140.6       | 1937.65 | 1.394 | 5.65 | 3.151   |
| 15:25:00 | 140.6       | 1933.96 | 1.411 | 1.96 | 3.126   |
| 15:26:00 | 140.5       | 1933.84 | 1.428 | 1.84 | 3.101   |
| 15:27:00 | 140.5       | 1933.82 | 1.444 | 1.82 | 3.077   |
| 15:28:00 | 140.5       | 1933.83 | 1.461 | 1.83 | 3.053   |
| 15:29:00 | 140.6       | 1933.89 | 1.478 | 1.89 | 3.030   |
| 15:30:00 | 140.5       | 1933.91 | 1.494 | 1.91 | 3.007   |
| 15:31:00 | 140.6       | 1933.91 | 1.511 | 1.91 | 2.985   |
| 15:32:00 | 140.5       | 1933.94 | 1.528 | 1.94 | 2.964   |
| 15:33:00 | 140.6       | 1933.96 | 1.544 | 1.96 | 2.942   |
| 15:34:00 | 140.5       | 1933.99 | 1.561 | 1.99 | 2.922   |
| 15:35:00 | 140.5       | 1933.98 | 1.578 | 1.98 | 2.901   |
| 15:36:00 | 140.5       | 1934.02 | 1.594 | 2.02 | 2.882   |
| 15:37:00 | 140.6       | 1934.04 | 1.611 | 2.04 | 2.862   |
| 15:38:00 | 140.5       | 1934.03 | 1.628 | 2.03 | 2.843   |
| 15:39:00 | 140.5       | 1934.02 | 1.644 | 2.02 | 2.824   |
| 15:40:00 | 140.5       | 1934.08 | 1.661 | 2.08 | 2.806   |
| 15:41:00 | 140.5       | 1934.13 | 1.678 | 2.13 | 2.788   |
| 15:42:00 | 140.5       | 1934.13 | 1.694 | 2.13 | 2.770   |
| 15:43:00 | 140.6       | 1934.20 | 1.711 | 2.20 | 2.753   |
| 15:44:00 | 140.6       | 1934.19 | 1.728 | 2.19 | 2.736   |
| 15:45:00 | 140.5       | 1934.23 | 1.744 | 2.23 | 2.720   |
| 15:46:00 | 140.5       | 1934.23 | 1.761 | 2.23 | 2.703   |
| 15:47:00 | 140.5       | 1934.25 | 1.778 | 2.25 | 2.688   |
| 15:48:00 | 140.6       | 1934.28 | 1.794 | 2.28 | 2.672   |
| 15:49:00 | 140.5       | 1934.25 | 1.811 | 2.25 | 2.656   |
| 15:50:00 | 140.5       | 1934.21 | 1.828 | 2.21 | 2.641   |
| 15:51:00 | 140.5       | 1934.27 | 1.844 | 2.27 | 2.627   |
| 15:52:00 | 140.6       | 1934.40 | 1.861 | 2.40 | 2.612   |
| 15:53:00 | 140.5       | 1934.42 | 1.878 | 2.42 | 2.598   |
| 15:54:00 | 140.6       | 1934.44 | 1.894 | 2.44 | 2.584   |
| 15:55:00 | 140.6       | 1934.47 | 1.911 | 2.47 | 2.570   |
| 15:56:00 | 140.5       | 1934.47 | 1.928 | 2.47 | 2.556   |
| 15:57:00 | 140.5       | 1934.48 | 1.944 | 2.48 | 2.543   |
| 15:58:00 | 140.6       | 1934.49 | 1.961 | 2.49 | 2.530   |
| 15:59:00 | 140.5       | 1934.51 | 1.978 | 2.51 | 2.517   |
| 16:00:00 | 140.5       | 1934.50 | 1.994 | 2.50 | 2.504   |
| 16:01:00 | 140.6       | 1934.55 | 2.011 | 2.55 | 2.492   |
| 16:02:00 | 140.6       | 1934.56 | 2.028 | 2.56 | 2.479   |
| 16:03:00 | 140.6       | 1934.56 | 2.044 | 2.56 | 2.467   |

Well Name: NORTH PAARATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

| Time     | Temperature | PSIA    | Dt    | Dp   | T+Dt/Dt |
|----------|-------------|---------|-------|------|---------|
| 16:04:00 | 140.6       | 1934.57 | 2.061 | 2.57 | 2.456   |
| 16:05:00 | 140.5       | 1934.58 | 2.078 | 2.58 | 2.444   |
| 16:06:00 | 140.5       | 1934.58 | 2.094 | 2.58 | 2.432   |
| 16:07:00 | 140.6       | 1934.58 | 2.111 | 2.58 | 2.421   |
| 16:08:00 | 140.6       | 1934.59 | 2.128 | 2.59 | 2.410   |
| 16:09:00 | 140.6       | 1934.59 | 2.144 | 2.59 | 2.399   |
| 16:10:00 | 140.5       | 1934.58 | 2.161 | 2.58 | 2.388   |
| 16:11:00 | 140.6       | 1934.61 | 2.178 | 2.61 | 2.378   |
| 16:12:00 | 140.6       | 1934.64 | 2.194 | 2.64 | 2.367   |
| 16:13:00 | 140.6       | 1934.62 | 2.211 | 2.62 | 2.357   |
| 16:14:00 | 140.6       | 1934.66 | 2.228 | 2.66 | 2.347   |
| 16:15:00 | 140.5       | 1934.66 | 2.244 | 2.66 | 2.337   |
| 16:16:00 | 140.6       | 1934.66 | 2.261 | 2.66 | 2.327   |
| 16:17:00 | 140.5       | 1934.69 | 2.278 | 2.69 | 2.317   |
| 16:18:00 | 140.5       | 1934.69 | 2.294 | 2.69 | 2.308   |
| 16:19:00 | 140.6       | 1934.71 | 2.311 | 2.71 | 2.298   |
| 16:20:00 | 140.6       | 1934.68 | 2.328 | 2.68 | 2.289   |
| 16:21:00 | 140.5       | 1934.70 | 2.344 | 2.70 | 2.280   |
| 16:22:00 | 140.6       | 1934.72 | 2.361 | 2.72 | 2.271   |
| 16:23:00 | 140.5       | 1934.69 | 2.378 | 2.69 | 2.262   |
| 16:24:00 | 140.6       | 1934.74 | 2.394 | 2.74 | 2.253   |
| 16:25:00 | 140.5       | 1934.73 | 2.411 | 2.73 | 2.244   |
| 16:26:00 | 140.5       | 1934.74 | 2.428 | 2.74 | 2.236   |
| 16:27:00 | 140.6       | 1934.75 | 2.444 | 2.75 | 2.227   |
| 16:28:00 | 140.6       | 1934.76 | 2.461 | 2.76 | 2.219   |
| 16:29:00 | 140.6       | 1934.77 | 2.478 | 2.77 | 2.211   |
| 16:30:00 | 140.6       | 1934.76 | 2.494 | 2.76 | 2.203   |
| 16:31:00 | 140.6       | 1934.77 | 2.511 | 2.77 | 2.195   |
| 16:32:00 | 140.5       | 1934.78 | 2.528 | 2.78 | 2.187   |
| 16:33:00 | 140.5       | 1934.79 | 2.544 | 2.79 | 2.179   |
| 16:34:00 | 140.6       | 1934.80 | 2.561 | 2.80 | 2.171   |
| 16:35:00 | 140.5       | 1934.80 | 2.578 | 2.80 | 2.164   |
| 16:36:00 | 140.6       | 1934.84 | 2.594 | 2.84 | 2.156   |
| 16:37:00 | 140.6       | 1934.85 | 2.611 | 2.85 | 2.149   |
| 16:38:00 | 140.5       | 1934.85 | 2.628 | 2.85 | 2.142   |
| 16:39:00 | 140.6       | 1934.87 | 2.644 | 2.87 | 2.134   |
| 16:40:00 | 140.6       | 1934.86 | 2.661 | 2.86 | 2.127   |
| 16:41:00 | 140.6       | 1934.88 | 2.678 | 2.88 | 2.120   |
| 16:42:00 | 140.6       | 1934.86 | 2.694 | 2.86 | 2.113   |
| 16:43:00 | 140.6       | 1934.90 | 2.711 | 2.90 | 2.107   |
| 16:44:00 | 140.6       | 1934.89 | 2.728 | 2.89 | 2.100   |
| 16:45:00 | 140.6       | 1934.90 | 2.744 | 2.90 | 2.093   |
| 16:46:00 | 140.6       | 1934.88 | 2.761 | 2.88 | 2.087   |
| 16:47:00 | 140.6       | 1934.90 | 2.778 | 2.90 | 2.080   |
| 16:48:00 | 140.5       | 1934.89 | 2.794 | 2.89 | 2.074   |
| 16:49:00 | 140.6       | 1934.90 | 2.811 | 2.90 | 2.067   |
| 16:50:00 | 140.6       | 1934.90 | 2.828 | 2.90 | 2.061   |
| 16:51:00 | 140.6       | 1934.91 | 2.844 | 2.91 | 2.055   |
| 16:52:00 | 140.6       | 1934.91 | 2.861 | 2.91 | 2.049   |
| 16:53:00 | 140.5       | 1934.91 | 2.878 | 2.91 | 2.042   |
| 16:54:00 | 140.6       | 1934.92 | 2.894 | 2.92 | 2.036   |
| 16:55:00 | 140.6       | 1934.93 | 2.911 | 2.93 | 2.031   |
| 16:56:00 | 140.6       | 1934.93 | 2.928 | 2.93 | 2.025   |
| 16:57:00 | 140.5       | 1934.95 | 2.944 | 2.95 | 2.019   |
| 16:58:00 | 140.5       | 1934.95 | 2.961 | 2.95 | 2.013   |
| 16:59:00 | 140.6       | 1934.96 | 2.978 | 2.96 | 2.007   |
| 16:59:40 | 140.5       | 1934.96 | 2.989 | 2.96 | 2.004   |
| 16:59:50 | 140.5       | 1934.96 | 2.992 | 2.96 | 2.003   |
| 17:00:00 | 140.5       | 1934.97 | 2.994 | 2.97 | 2.002   |
| 17:00:10 | 140.6       | 1934.97 | 2.997 | 2.97 | 2.001   |

Well Name: NORTH PARRATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

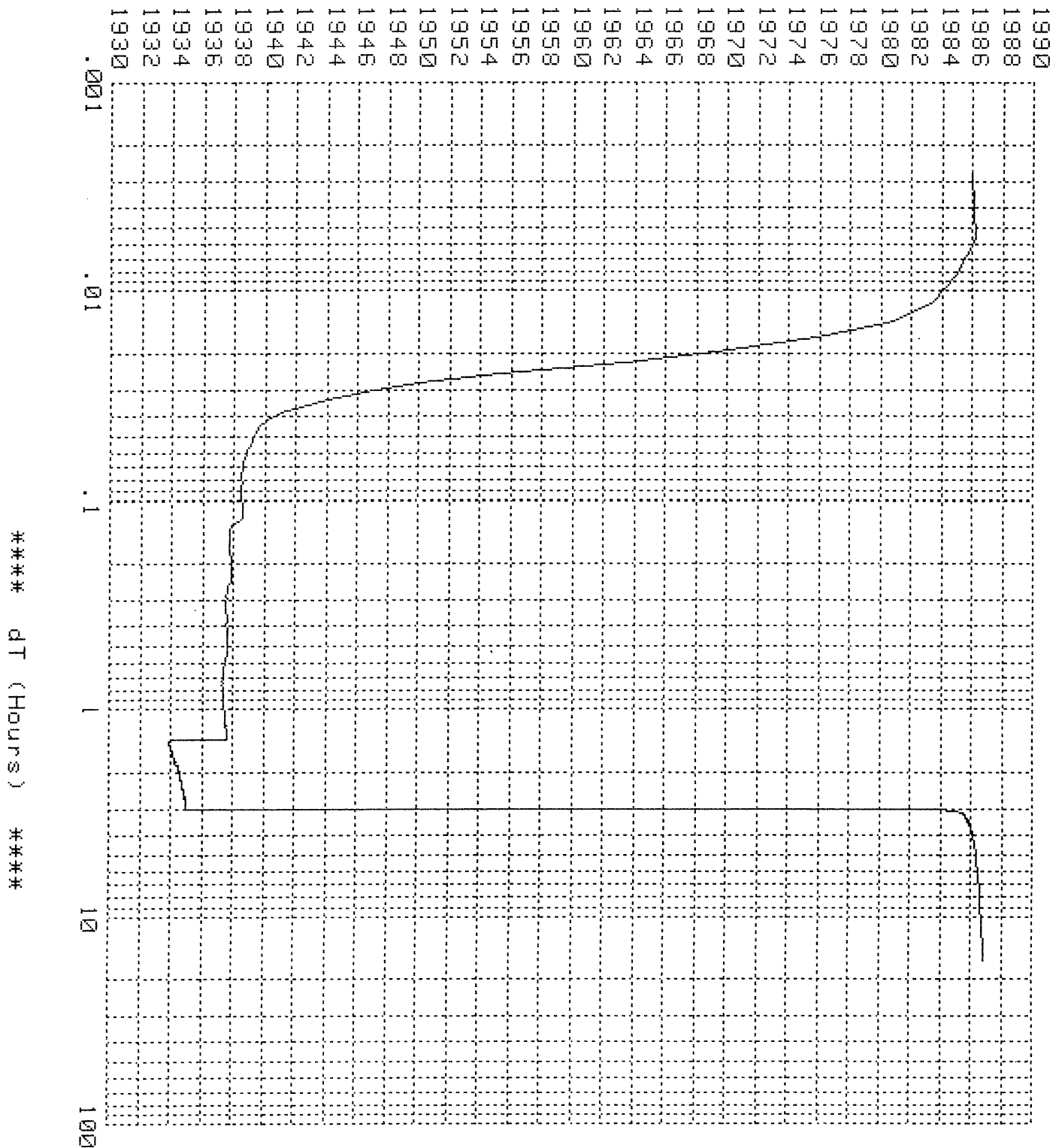
| Time     | Temperature | PSIA    | Dt    | Dp   | T+Dt/Dt |
|----------|-------------|---------|-------|------|---------|
| 17:00:20 | 140.6       | 1934.98 | 3.000 | 2.98 | 2.000   |

GO INTERNATIONAL AUSTRALIA  
 LINEAR PRESSURE VS. LOG TIME

BEACH PETROLEUM NORTH PAARATTIE #2 30/64 CHOKE

Start of plot: 14:00:20 Date: 15/03/81  
 Finish of plot : 06:11:00 Date: 16/03/81

\*\*\*\*\* Pressure (PSIA) \*\*\*\*\*



GO INTERNATIONAL AUSTRALIA PTY. LTD.

COMPANY...BEACH PETROLEUM

STATE...VICTORIA

FIELD....PAARATTIE

WELL....#2

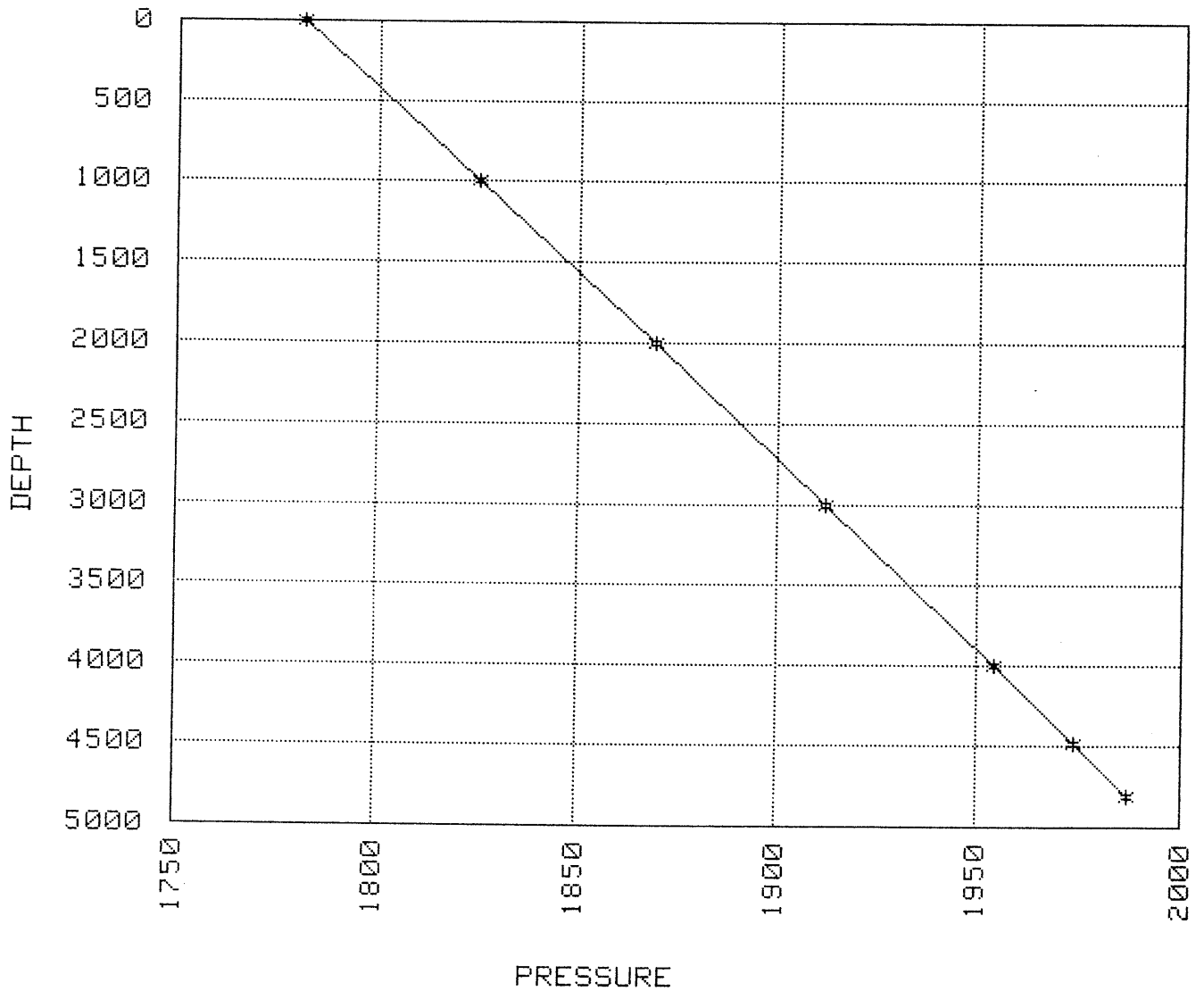
DATE.....16/03/81

PURPOSE.....GRADIENT

ELEMENT.....H.P.PROBE

SERIAL No...509

GRADIENT PLOT



| DEPTH (TVD) FT | PRESSURE | GRADIENT (PSI/FT.) |
|----------------|----------|--------------------|
| 0.0            | 1781.22  |                    |
| 1000.6         | 1825.14  | .044               |
| 2001.3         | 1869.12  | .044               |
| 3001.9         | 1912.16  | .043               |
| 4002.6         | 1954.00  | .042               |
| 4488.1         | 1973.77  | .041               |
| 4816.2         | 1986.84  | .040               |



GO INTERNATIONAL AUSTRALIA PTY. LTD.  
P.O. BOX 380  
SALE, VICTORIA 3850

BEACH PETROLEUM N.L.

EXPLORATION

NORTH PAARATTE NO. 2  
March 14, 1981

Type of Test: Isochronal

| HOURS          | TUBING PRESS                          | CASING PRESS | WELL HEAD TEMP | DIFF PRESS H2O X2          | STATIC PRESS | SEPARATOR TEMP F <sup>o</sup> | GAS VOLUME MCF/DAY | ORIFICE PLATE |
|----------------|---------------------------------------|--------------|----------------|----------------------------|--------------|-------------------------------|--------------------|---------------|
| March 14, 1981 |                                       |              |                |                            |              |                               |                    |               |
| 0800           | 1766                                  | 100          |                |                            |              |                               |                    |               |
| 0804           | Well opened up on choke size 16/64    |              |                |                            |              |                               |                    | 1.250         |
| 0810           | 1760                                  | 220          | 56             |                            |              |                               |                    |               |
| 0820           | 1760                                  | 280          | 59             |                            |              |                               |                    |               |
| 0830           | 1760                                  | 300          | 58             |                            |              |                               |                    |               |
| 0830           | Changed choke 16/64 to 18/64          |              |                |                            |              |                               |                    |               |
| 0835           | 1743                                  | 300          | 58             |                            |              |                               |                    |               |
| 1084           | 1750                                  | 305          | 57             |                            |              |                               |                    |               |
| 0850           | 1749                                  | 325          | 58             |                            |              |                               |                    |               |
| 0900           | 1746                                  | 332          | 58             | 86.50                      | 340          | 17                            |                    |               |
| 0100           | 1746                                  | 350          | 60             | 83.50                      | 340          | 19                            |                    |               |
| 0920           | 1746                                  | 355          | 60             | 84.00                      | 340          | 20                            |                    |               |
| 0930           | 1746                                  | 360          | 60             | 83.40                      | 360          | 21                            |                    |               |
| 0940           | 1746                                  | 380          | 61             | 86.50                      | 367          | 21                            |                    |               |
| 1000           | 1744                                  | 400          | 60             | 83.40                      | 360          | 21                            |                    |               |
| 1015           | 1743                                  | 425          | 63             | 89.50                      | 375          | 23                            | 2.7MMCF/DAY        |               |
| 1030           | 1741                                  | 425          | 63             | 92.00                      | 375          | 24                            |                    |               |
| 1045           | 1741                                  | 425          | 64             | 92.50                      | 380          | 25                            |                    |               |
| 1100           | 1740                                  | 450          | 64             | 93.50                      | 380          | 25                            |                    |               |
| 1115           | 1739                                  | 465          | 66             | 96.70                      | 385          | 26                            |                    |               |
| 1130           | 1739                                  | 475          | 66             | 97.30                      | 385          | 27                            |                    |               |
| 1130           | Shut in well for bottom hole build up |              |                |                            |              |                               |                    |               |
| 1135           | 1770                                  | 470          | 66             |                            |              |                               |                    |               |
| 1140           | 1770                                  | 455          | 66             |                            |              |                               |                    |               |
| 1145           | 1770                                  | 450          | 66             |                            |              |                               |                    |               |
| 1200           | 1759                                  | 425          | 66             |                            |              |                               |                    |               |
| 1215           | 1769                                  | 410          | 66             |                            |              |                               |                    |               |
| 1230           | 1768                                  | 410          | 66             |                            |              |                               |                    |               |
| 1430           | Well opened up on 22/64 choke         |              |                |                            |              |                               |                    | 1.500         |
| 1430           | 1767                                  | 340          | 67             |                            |              |                               |                    |               |
| 1445           | 1704                                  | 410          | 66             | 90.00                      | 490          | 31                            |                    |               |
| 1500           | 1705                                  | 415          | 67             | 88.00                      | 490          | 30                            |                    |               |
| 1515           | 1711                                  | 450          | 67             | 85.00                      | 495          | 26                            |                    |               |
| 1530           | 1707                                  | 480          | 66             | 87.50                      | 495          | 26                            |                    |               |
| 1545           | 1702                                  | 500          | 67             | 90.50                      | 495          | 27                            |                    |               |
| 1600           | 1704                                  | 520          | 67             | 91.40                      | 510          | 29                            |                    |               |
| 1615           | 1704                                  | 555          | 67             | 92.00                      | 510          | 29                            | 4.7 MMCF/DAY       |               |
| 1645           | 1705                                  | 605          | 67             | 92.90                      | 525          | 30                            |                    |               |
| 1700           | 1705                                  | 605          | 67             | 92.90                      | 525          | 30                            | 4.8 MMCF/DAY       |               |
| 1715           | 1704                                  | 625          | 67             | 93.60                      | 525          | 30                            |                    |               |
| 1730           | 1705                                  | 625          | 68             | Well shut in at 1730 hours |              |                               |                    |               |
| 1735           | 1772                                  | 605          | 67             |                            |              |                               |                    |               |
| 1740           | 1772                                  | 600          | 66             |                            |              |                               |                    |               |
| 1745           | 1772                                  | 600          | 66             |                            |              |                               |                    |               |
| 1815           | 1771                                  | 530          | 64             |                            |              |                               |                    |               |
| 1830           | 1771                                  | 510          | 64             |                            |              |                               |                    |               |

GO INTERNATIONAL AUSTRALIA PTY. LTD.

BEACH PETROLEUM N.L. CONTINUED....

NORTH PAARATTE NO. 2

| <u>HOURS</u>   | <u>TUBING PRESS</u> | <u>CASING PRESS</u> | <u>WELL HEAD TEMP</u> | <u>DIFF PRESS H2O X2</u>             | <u>STATIC PRESS</u> | <u>SEPARATOR TEMP F<sup>0</sup></u> | <u>GAS VOLUME MCF/DAY</u>   | <u>ORIFICE PLATE</u> |  |
|----------------|---------------------|---------------------|-----------------------|--------------------------------------|---------------------|-------------------------------------|-----------------------------|----------------------|--|
| March 15, 1981 |                     |                     |                       |                                      |                     |                                     |                             |                      |  |
| 0800           | 1767                | 300                 | 65                    | Flow well on 26/64 choke and         |                     |                                     | 1.875                       |                      |  |
| 0805           | 1661                | 325                 | 71                    |                                      |                     |                                     |                             |                      |  |
| 0810           | 1656                | 330                 | 68                    |                                      |                     |                                     |                             |                      |  |
| 0815           | 1654                | 375                 | 70                    | 82.50                                | 420                 | 28                                  |                             |                      |  |
| 0830           | 1646                | 420                 | 75                    | 83.70                                | 486                 | 26                                  |                             |                      |  |
| 0845           | 1643                | 465                 | 71                    | 83.50                                | 482                 | 28                                  |                             |                      |  |
| 0900           | 1643                | 500                 | 73                    | 83.00                                | 487                 | 29                                  |                             |                      |  |
| 0915           | 1643                | 550                 | 74                    | 84.20                                | 487                 | 30                                  |                             |                      |  |
| 0930           | 1643                | 580                 | 80                    | 84.80                                | 500                 | 30                                  |                             |                      |  |
| 0945           | 1644                | 610                 | 78                    | 83.20                                | 502                 | 32                                  |                             |                      |  |
| 1000           | 1645                | 650                 | 78                    | 83.50                                | 505                 | 34                                  |                             |                      |  |
| 1015           | 1641                | 670                 | 84                    | 83.50                                | 510                 | 36                                  | 7.4MMCF/DAY                 |                      |  |
| 1030           | 1642                | 700                 | 80                    | 82.50                                | 515                 | 36                                  |                             |                      |  |
| 1045           | 1642                | 729                 | 75                    | 83.20                                | 505                 | 38                                  |                             |                      |  |
| 1100           | 1774                | 725                 | 78                    | 84.00                                | 495                 | 39                                  | Shut in well                |                      |  |
| 1105           | 1774                | 725                 | 77                    |                                      |                     |                                     |                             |                      |  |
| 1110           | 1773                | 700                 | 76                    |                                      |                     |                                     |                             |                      |  |
| 1115           | 1773                | 640                 | 75                    |                                      |                     |                                     |                             |                      |  |
| 1130           | 1773                | 580                 | 74                    |                                      |                     |                                     |                             |                      |  |
| 1200           | 1772                | 540                 | 72                    |                                      |                     |                                     |                             |                      |  |
| 1300           | 1771                | 490                 | 72                    |                                      |                     |                                     |                             |                      |  |
| 1400           | 1770                | 450                 | 72                    | Flow well on 30/64 and 2.000 orifice |                     |                                     |                             |                      |  |
| 1405           | 1549                | 505                 | 74                    |                                      |                     |                                     |                             |                      |  |
| 1410           | 1549                | 525                 | 74                    | 85.00                                | 625                 | 44                                  |                             |                      |  |
| 1430           | 1549                | 590                 | 74                    | 85.20                                | 630                 | 46                                  |                             |                      |  |
| 1445           | 1548                | 635                 | 75                    | 86.20                                | 630                 | 47                                  |                             |                      |  |
| 1500           | 1549                | 680                 | 75                    | 87.00                                | 615                 | 48                                  |                             |                      |  |
| 1515           | 1550                | 725                 | 76                    | 87.00                                | 630                 | 49                                  |                             |                      |  |
| 1530           | 1548                | 750                 | 76                    | 86.7                                 | 630                 | 49                                  |                             |                      |  |
| 1545           | 1548                | 780                 | 77                    | 87.00                                | 640                 | 50                                  |                             |                      |  |
| 1600           | 1549                | 810                 | 77                    | 86.20                                | 600                 | 50                                  |                             |                      |  |
| 1615           | 1549                | 825                 | 76                    | 85.00                                | 600                 | 49                                  |                             |                      |  |
| 1630           | 1549                | 850                 | 77                    | 85.40                                | 578                 | 51                                  | 9/3MMCD/DAY                 |                      |  |
| 1645           | 1549                | 865                 | 78                    | 88.00                                | 578                 | 50                                  |                             |                      |  |
| 1700           | 1550                | 880                 | 77                    | 88.80                                | 585                 | 51                                  | Shut in well final build up |                      |  |
| 1705           | 1775                | 870                 | 77                    | Final flow track reading             |                     |                                     |                             |                      |  |
| 1710           | 1774                | 845                 | 76                    |                                      |                     |                                     |                             |                      |  |
| 1715           | 1774                | 810                 | 75                    |                                      |                     |                                     |                             |                      |  |
| 1730           | 1773                | 750                 | 74                    |                                      |                     |                                     |                             |                      |  |
| 1745           | 1773                | 730                 | 72                    |                                      |                     |                                     |                             |                      |  |
| 1800           | 1772                | 700                 | 70                    |                                      |                     |                                     |                             |                      |  |
| 1830           | 1772                | 680                 | 69                    |                                      |                     |                                     |                             |                      |  |
| 1900           | 1770                | 650                 | 65                    |                                      |                     |                                     |                             |                      |  |
| 2000           | 1769                | 600                 | -                     |                                      |                     |                                     |                             |                      |  |
| 2200           | 1769                | 540                 | -                     |                                      |                     |                                     |                             |                      |  |
| 2400           | 1769                |                     |                       |                                      |                     |                                     |                             |                      |  |
| 0400           | 1768                |                     |                       |                                      |                     |                                     |                             |                      |  |
| 0600           | 1768                |                     |                       |                                      |                     |                                     |                             |                      |  |

APPENDIX - 8

BIT RECORD



PE604744

This is an enclosure indicator page.  
The enclosure PE604744 is enclosed within the  
container PE906815 at this location in this  
document.

The enclosure PE604744 has the following characteristics:

ITEM\_BARCODE = PE604744  
CONTAINER\_BARCODE = PE906815  
NAME = Mud Log  
BASIN = OTWAY  
PERMIT = PEP93  
TYPE = WELL  
SUBTYPE = MUD\_LOG  
DESCRIPTION = Mud Log (Enclosure 1 from WCR) for North  
Paaratte-2  
REMARKS =  
DATE\_CREATED = 8/02/81  
DATE\_RECEIVED = 28/04/81  
W\_NO = W736  
WELL\_NAME = NORTH PAARATTE-2  
CONTRACTOR = EXPLORATION LOGGING  
CLIENT\_OP\_CO = BEACH PETROLEUM

(Inserted by DNRE - Vic Govt Mines Dept)

PE604745

This is an enclosure indicator page.  
The enclosure PE604745 is enclosed within the  
container PE906815 at this location in this  
document.

The enclosure PE604745 has the following characteristics:

ITEM\_BARCODE = PE604745  
CONTAINER\_BARCODE = PE906815  
    NAME = Composite Well Log  
    BASIN = OTWAY  
    PERMIT = PEP93  
    TYPE = WELL  
    SUBTYPE = COMPOSITE\_LOG  
DESCRIPTION = Composite Well Log (Enclosure 2 from  
              WCR) for North Paaratte-2  
REMARKS =  
DATE\_CREATED = 8/02/81  
DATE\_RECEIVED = 28/04/81  
    W\_NO = W736  
    WELL\_NAME = NORTH PAARATTE-2  
CONTRACTOR =  
CLIENT\_OP\_CO = BEACH PETROLEUM

(Inserted by DNRE - Vic Govt Mines Dept)