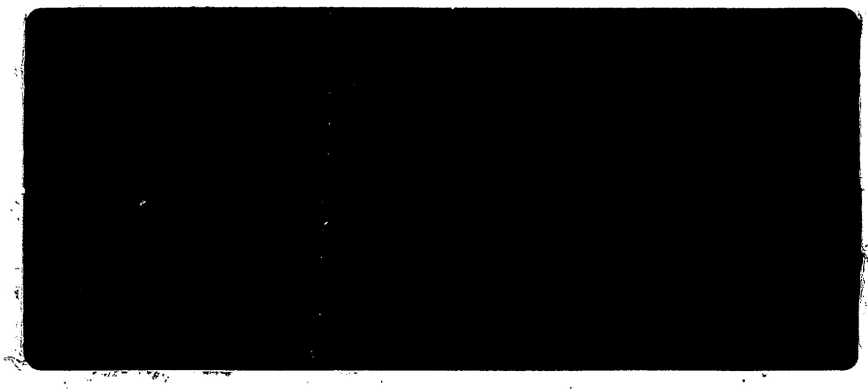

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NORTH PAARATTE-2

BEACH PETROLEUM

W736

BEACH PETROLEUM N.L.

NORTH PAARATTE NO.2

WELL COMPLETION REPORT

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

February, 1981

Distribution: Beach 2
Department of Minerals and Energy 1

SUMMARY

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.

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

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

3. WELL HISTORY

3.1 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 Allottment 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 Data

3.3.1 Rig

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

3.3.2 Drilling Contractor

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

3.3.4 Drilling Fluid

(i) 12¼ 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 ligno 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.

* 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 500 ml water 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
	< 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 Surveys

3.5.1 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 (3855 to 5263 ft.)
Borehole Compensated Sonic Log (BHC-GR-Cal)	360.3 to 1604 m (1182 to 5262 ft.)
Repeat Formation Tester (RFT)	1470 to 1500 m (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:-

¼°	at	36.6 m	(120 ft.)
½°	at	68.6 m	(225 ft.)
½°	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.)
¼°	at	393.6 m	(1291 ft.)
3/4°	at	623.5 m	(2045 ft.)
¼°	at	832 m	(273C ft.)
3/4°	at	980.9 m	(3218 ft.)
1¼°	at	1097.3 m	(3600 ft.)
2¼°	at	1191.8 m	(3910 ft.)
1¼°	at	1225.6 m	(4021 ft.)
2½°	at	1329 m	(4360 ft.)
2¼°	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 STUDIES

4.1 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:-

	Depths Below KB (Metres)	Depths Below Subsea (Metres)	Thickness (Metres)		Thickness (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
Carbonaceious 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).

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.

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 (TD) — Eumeralla Formation (Otway Group)

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.

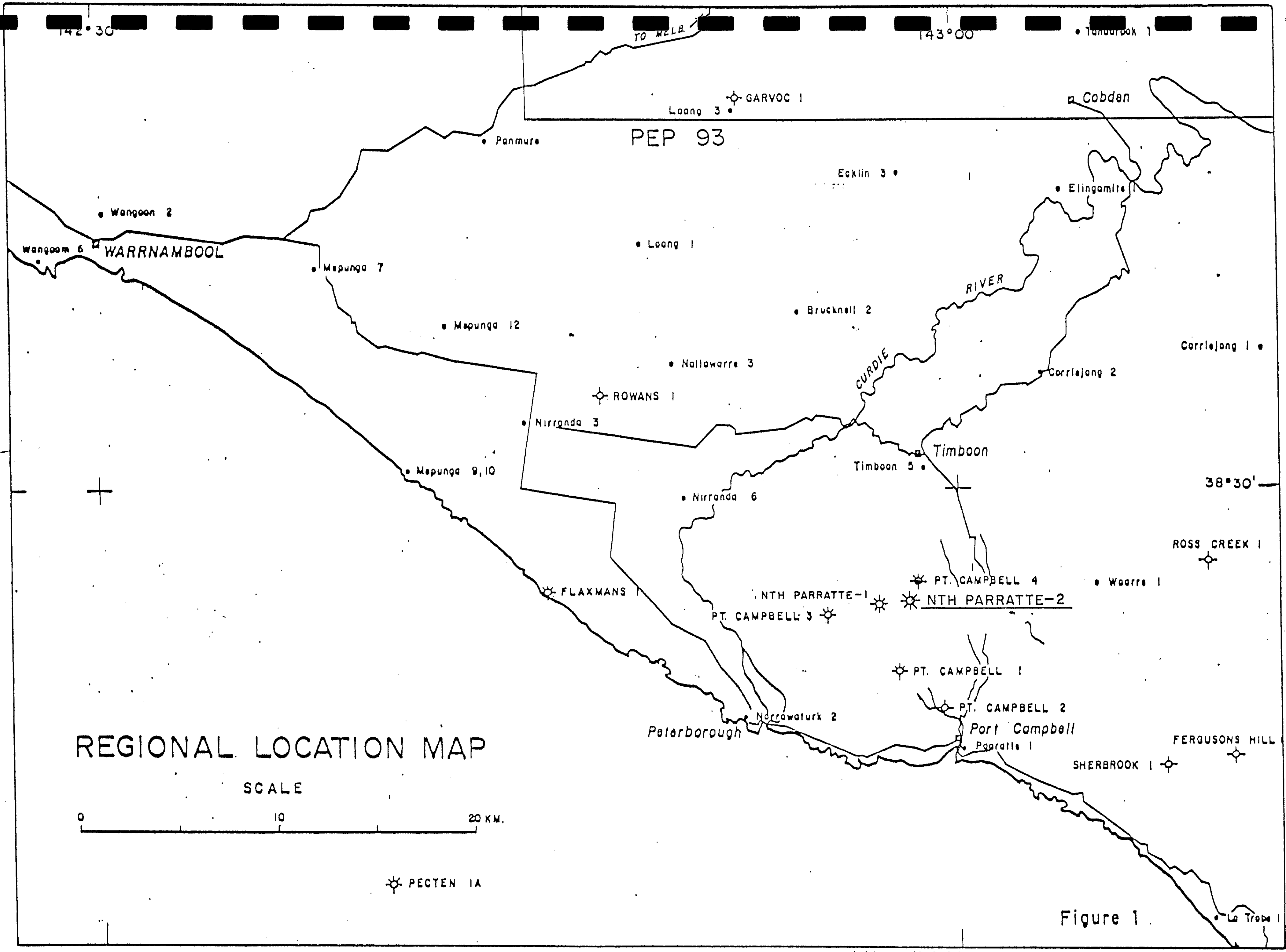

142°30'
143°00'
38°30'
TO MELB.
GARVOC 1
Loang 3
Cobden
PEP 93
Tandarook 1
Panmure
Ecklin 3
Elingamite 1
Wangoon 2
Wangoom 6
WARRNAMBOOL
Loang 1
Mepunga 7
RIVER
CURDIE
Brucknell 2
Mepunga 12
Nallawarre 3
Corrlejong 1
Corrlejong 2
ROWANS 1
Nirranda 3
Timboon
Timboon 5
Mepunga 9,10
Nirranda 6
ROSS CREEK 1
PT. CAMPBELL 4
Waarre 1
FLAXMANS 1
NTH PARRATTE-1
NTH PARRATTE-2
PT. CAMPBELL 3
PT. CAMPBELL 1
PT. CAMPBELL 2
Narrawaturk 2
Peterborough
Port Campbell
Paaratte 1
FERGUSONS HILL 1
SHERBROOK 1
REGIONAL LOCATION MAP
SCALE
0
10
20 KM.
PECTEN 1A
La Trobe 1

Figure 1

Figure 2.

PAARATTE

COUNTY OF HEYTESBURY

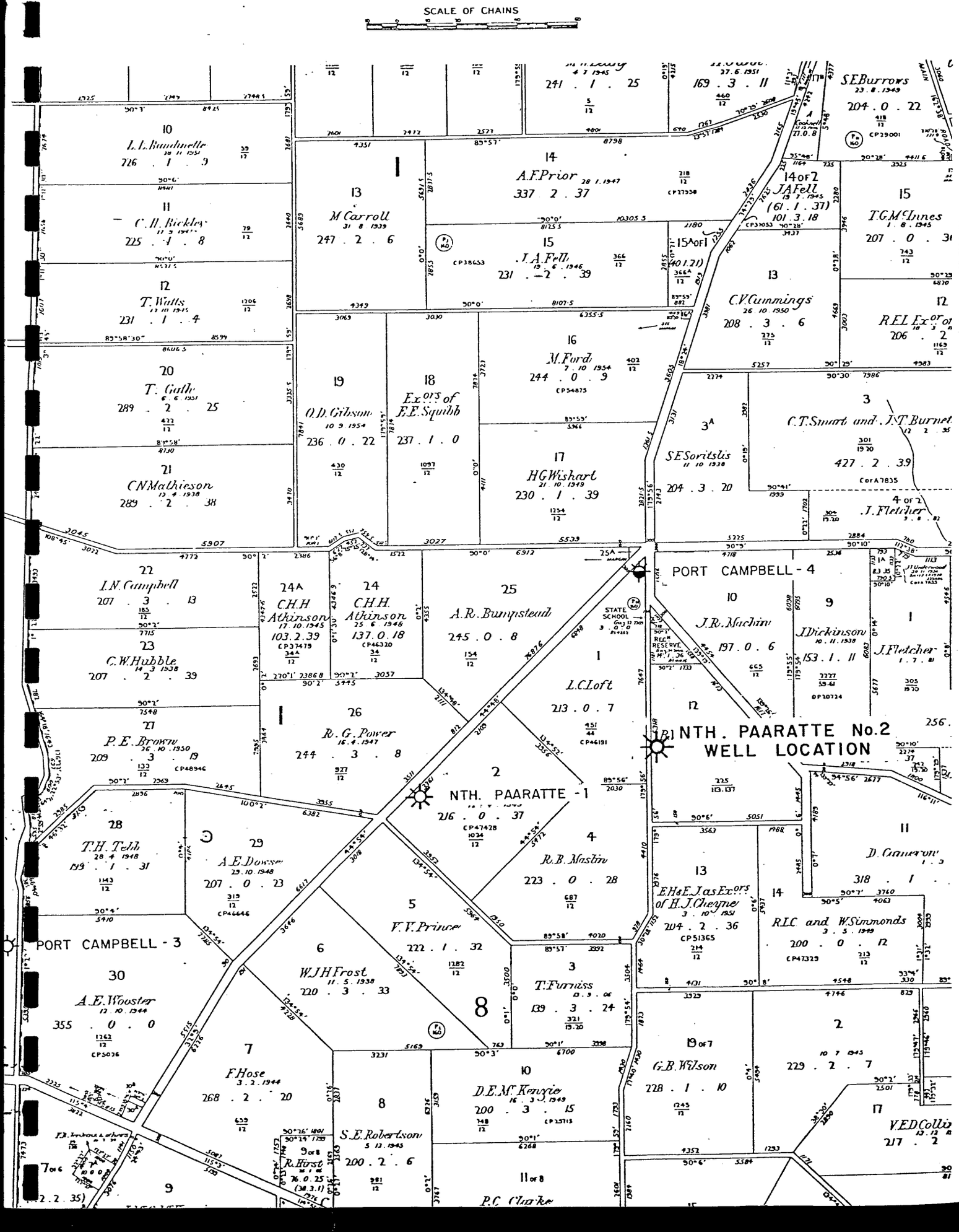


Figure 3

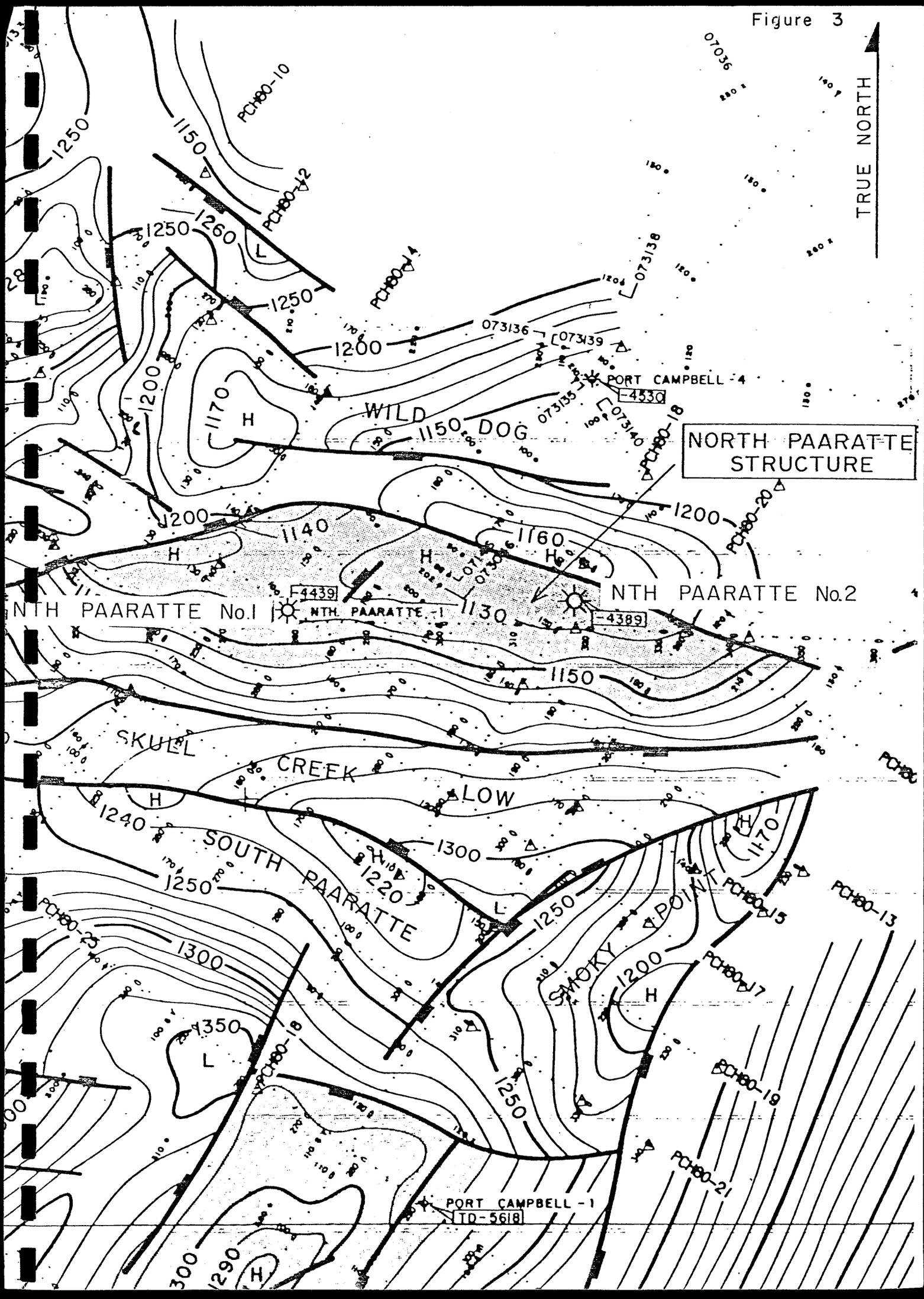
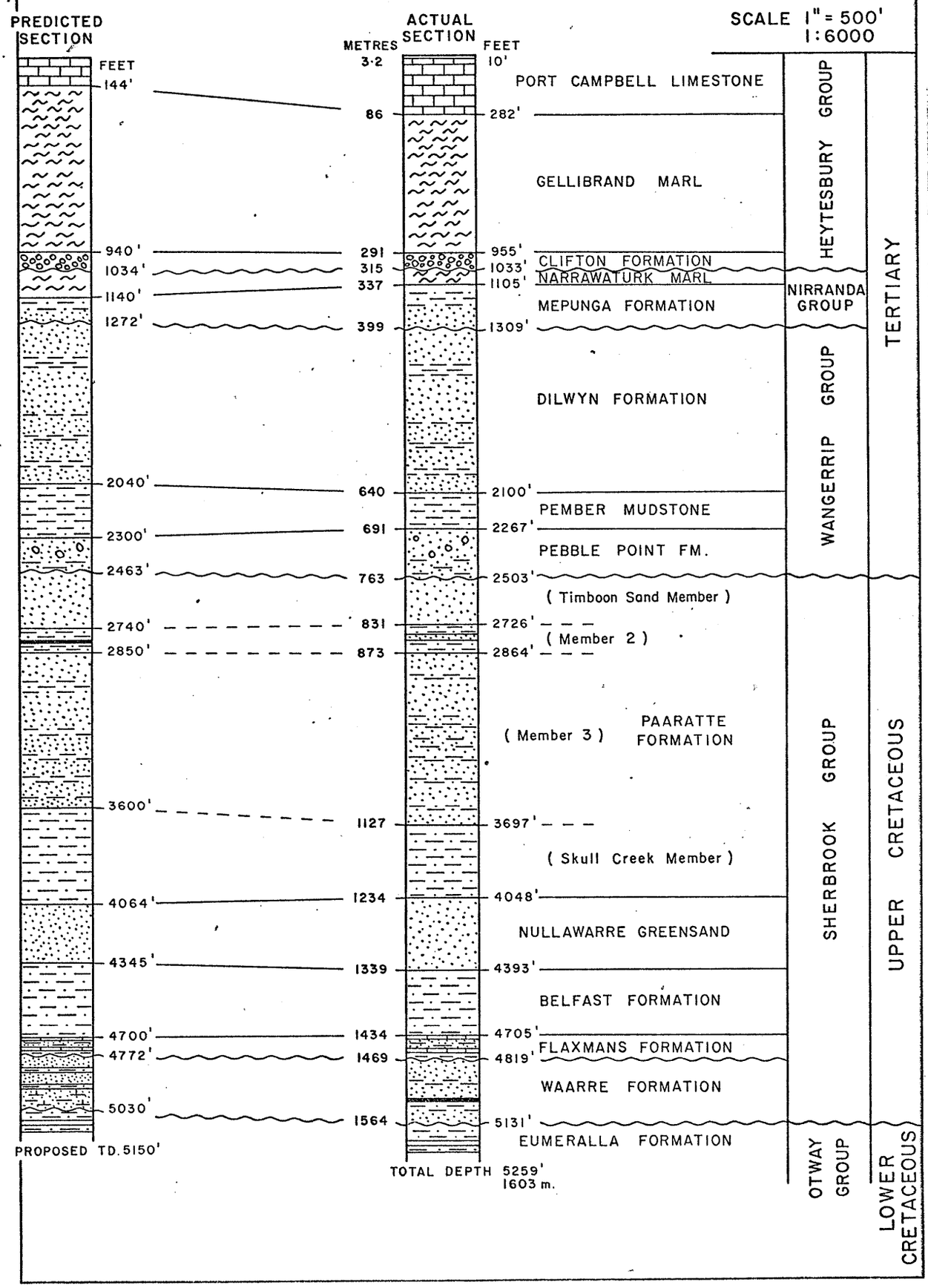

TRUE NORTH
NORTH PAARATTE STRUCTURE
NTH PAARATTE No.1
NTH PAARATTE No.2
NTH. PAARATTE -1
PORT CAMPBELL -4
-4530
PORT CAMPBELL -1
TD-5618
-4389
F4439
WILD DOG
SKUEL CREEK LOW
SOUTH PAARATTE
SMOKY POINT
PCH80-10
PCH80-12
PCH80-14
PCH80-16
PCH80-18
PCH80-20
PCH80-23
PCH80-15
PCH80-17
PCH80-19
PCH80-21
PCH80-13
073136
073139
073135
073140
073138
07036
1250
1150
1260
1200
1170
1140
1160
1130
1240
1300
1220
1350
1290

FIGURE 4

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 7¼" x 14" Mud Pump powered by GM16V Series 71 Engine with K10 Pulsation Dampener.
	: National C150B 7-1/4" x 12" powered by twin GM 6-71 diesel engine.
MIXING PUMP	: (1) 6 x 4 Warman Centrifugal powered by GM 4-71 diesel engine.
MUD TANK	: One (1) 35' long x 8' wide x 4'6" high - skid mounted.
SHALE SHAKER	: Rumba unit.
DESANDER/DESILTER	: 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.
GENERATORS	: Two (2) 75 Kw units powered by GM 6-71 diesel engines.
B.O.P.'s & ACCUMULATOR	: One (1) 10" - 3000 psi WP Shaffer Annular BOP. One (1) 10" - 3000 psi WP Shaffer Doubel Gate BOP. Koomey 60 gallon Accumulator system.
KELLY COCK	: Omsco unit - 10,000 psi.
AIR COMPRESSOR & RECEIVERS	: 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/ with 6-1/8" OD 18 degree taper hard band tool joints. (Weight of drill pipe with tool joints = 10.75 lb/ft). 6 joints 4-1/2" hevi-wate.
DRILL COLLARS	: 4 x 8" OD with 6-5/8" Regular connections. 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. (1) Bowen 9-5/8" series 150 Overshot. (1) Baash-Ross 6-1/8" OD Bumper Sub. (1) McCullough 6-1/8" OD Rotary Jars. (1) Junk Sub for 8-1/2" hole.
HANDLING TOOLS	: (1) Varco CU Casing Bushing for 17-1/2" Table and to handle 13-3/8" and 9-5/8" casing. (1) set CMS 13-3/8" Casing Slips. (1) set CMS 9-5/8" Casing Slips. (1) set 13-3/8" Side Door Elevators. (1) set 9-5/8" Side Door Elevators. (1) set 13-3/8" Single Joint Elevators. (1) set 9-5/8" Single Joint Elevators. (1) set 5-1/2" CMS Casing Slips. (1) set 5-1/2" Side Door Elevators. (1) set 5-1/2" Single Joint Elevators. (1) set 4-1/2" Drill Pipe Slips. (1) set 4-1/2" MAA Drill Pipe Elevators. (1) set 5-1/2" - 7" Drill Collar Slips. (1) set 6-3/4" - 8-1/4" Drill Collar Slips. (1) set 2 Elevator Links 2-1/4" x 108" (110 ton). (1) set Web Welson type B Tongs with jaws from 3-1/2" to 10-3/4". (1) set BJ type B tongs with 13-3/8" jaws.
INSTRUMENTS & INDICATORS	: Martin Decker Clipper Weight Indicator. Pump Pressure Gauge. Martin Decker Tong Torque Indicator. Geolograph G3 Recorder.
DEVIATION RECORDER	: Sure Shot 0^{o} - 7^{o} unit.
TOOLHOUSE	: (1) 28' long x 8' wide x 7' high.
DOG 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. (1) set Oxygen/Acetylene.
PIPE RACKS	: (1) set (6) 26' long x 42" high.
CATWALKS	: (1) 45' long x 6' 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 SAND	SHALE	LIME	COAL	OTHER	SAMPLE DESCRIPTION	WELL NAME	GEOLOGIST	PAGE
700m					90	Conglomeratic Sandstone, pebble size, iron stained quartz ~~medium grained quartz~~, dominantly c.g to v.c.g, y-bn-wh, sub-angular to well rounded, weakly pyritic & glauconitic. loosely consolidated. Good to excellent, inferred porosity.			
					10	Claystone, as above			
					Ab	Cavein abundant (Note: a c.g. ball bearing!)			
710m					90	Claystone, medium brown, soft, moderately glauconitic, accessories shell frags			
					10	Sand, lt gy-wh to translucent, loosely consolidated, m-c.g, (Bl. c.g & shell frags c.g. make up to 10% of sample.)			
720m					95	Sandstone, y-wh or lt y, loosely consolidated, m-c.g, moderately sorted, sub-rounded to sub-angular, good inferred porosity, ferruginous iron stained qtz grains, minor pyritic cement.			
					5	Cl, shell fragments			
730m					95	Sandstone, y-bn, lt wh to reddish, loosely consolidated, m-c.g, moderately sorted, sub-rounded to sub-angular, good inferred porosity, ferruginous iron stained qtz grains, minor pyrite			
					5	Cl, as above			
					tr	Siltstone, medium brown, cemented, hard, sl. glauconitic			
					tr	Black carbonaceous shale.			
740m					60	Sandstone, as above.			
					40	Siltstone, medium brown to medium grey, hard, cemented, sl. pyritic, very glauconitic in part.			
750m					60	Sandstone, as above			
					20	Glauconite, c.g,			
					10	Siltstone, as above			
					10	Claystone, buff & lt. gy, soft			

SAMPLE	PERCENTAGE SS	SHALE	LMST	COAL	OTHER	SAMPLE DESCRIPTION	WELL NAME	GEOLOGIST	PAGE
610					90	Sandstone: lgt gry-white-orange-clear, loosly cons, fg-(c)gran, ang-rnd, good infered ø			
					10	Siltstone: lgt brn-drk brn, mod hrd-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, loosly cons, fg-(c)cg, ang-subrnd, good inf ø.			
					30	Siltstone: as above, echinoid spines together with shell frags.			
640					100	Sandstone: clear-translucent-yellow, loosly cons, fg-mg, rnd-subang, mod sorting, good inf ø			
					tr	Coal: Black, minor pyritization			
					tr	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. gn 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-brn with, v.c.g. to m.g. dominantly c.g., minor pebbles, loosely consolidated, angular to sub-rounded, strongly ferruginous iron stained quartz. Up to 10% glauconite, minor pyrite, trace shell fragments. Good inferred porosity.			
					30	Claystone, as above			

SAMPLE	PERCENTAGE SS	SHALE	LM	COAL	OTHER	SAMPLE DESCRIPTION	WELL NAME	GEOLOGIST	PAGE
540					90	Sand, as above			
					10	Marl, medium grey, soft.			
550					80	Sand, wh-lt.gy, c.g. to v.c.g, poorly sorted, loosely consolidated, good inferred porosity,			
					20	Marl, grey - soft., glauconitic.			
					tr	Carbonaceous Shale, black			
560					80	Sand, as for 550m, ra. l contains minor pyritic cement.			
					20	Marl, as above			
					tr	Claystone, light grey, firm to soft			
570					80	Marl, 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, loosely consolidated., good inferred porosity			
					10	Marl, A/A			
					10	Shell fragments & Glauconite (dk.gn & blk).			
					tr	Carbonaceous Shale, blk.			
590					90	Marl, bn, soft, glauconitic, accessories are large shell frags & glauconite			
					10	Sand, as above			
600					80	Marl, as above			
					15	Sand, as above			
					5	Siltstone, bn, firm.			

SAMPLE	PERCENTAGE SHALE	PERCENTAGE LST.	PERCENTAGE COAL	PERCENTAGE OTHER	SAMPLE DESCRIPTION	WELL NAME	GEOLOGIST	PAGE
450m				100	Sand, y-brn-wh, 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.			
				tr	Black Coal, Siltstone, brown, firm.			
470				100	Sand ; as for 460m.			
480				100	Sand, as for 460m.			
				tr	Marl, grey, soft,			
				tr	Glauconite, Pyrite.			
490				95	Sand, as above			
				5	Marl, grey, soft, as above			
				tr	Glauconite, Pyrite			
500				100	Sand, as above, modal grain size medium, i.e: has fined down section			
				tr	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 - lt. grey, as above			
				tr	Claystone, A/A			
				tr	Siltstone, brown, hard to firm			
				tr	Black Coal.			
530				80	Sand, A/A			
				20	Claystone, A/A.			
				tr	Pyrite.			

SAMPLE	% SHALE	% L.	% COAL	% OTHER	SAMPLE DESCRIPTION
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 wood & lignite branchs dominant, minor foraminifera & coral, Trace Pyrite
380m					'as for 370m'
390m					'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. (minor ~~medium~~ grained)
				tr	Shell fragments,
				tr	Claystone, as above. (associated drilling break is @ 399m).
410m				80	Sand, very coarse grained, as above, grain size variation as above, Quartz is becoming clearer, (i.e. iron free) and some milky quartz
				10	Sandstone, light grey-white, brown, green, fine grained, calcareous, hard, cemented, slightly lithic. minor disseminated glauconite, slightly ferruginous.
				10	Claystone & glauconite, as above, probably cave-in
420m				50	Sand, y-bn, m-v.c.g, dominantly c.g, loose, as above
				50	Claystone, medium grey, A/A
				tr	Siltstone, dk bn, firm.
				tr	Sandstone, cemented, as above
430m				90	Sand, as above
				10	Claystone, medium grey, A/A
440m				90	'as for 430m, ~~sand~~ is modal grain size is becoming finer down section ~~but~~ but still is coarse grained here.
				10	Claystone, A/A.

MISC. 09

SAMPLE	PERCENTAGE SST	SHALE	LMST.	COAL	OTHER	SAMPLE 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
					10	Pyrite, v.c.g - c.g - f.g,
					80	Shell fragments, c.g - f.g, lamellibranch dominant
					10	Opaline, amorphous quartz, some as infilling of large lamellibranch shells & as replacement of shell itself.
					10	Quartz, f.g, nk & yellow-bn, iron stained,
					10	Glauconite, bk, f-m.g.
350m.						'as for 340m'
355.5m						'as for 340m.
355.5m -361m.						Sandy Claystone, brown & white (speckled), ~~probably due~~ or Sandy Marl.
						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-lime green)
						10 Glauconite & Pyrite
364.3m (1195ft)						Sandy Claystone, or Sandy Marl, as for 355.5.

SAMPLE	SST	SHALE	LMST	COAL	OTHER	SAMPLE DESCRIPTION	WELL NAME	GEOLOGIST	PAGE
291m GRAB SAMP					100	Claystone: lt-gry - gry, very soft sticky, fossiliferous, fossils inc foram. shell frags, echinoid spines, turretted gastropods			
					tr	Glauconite:			
					tr	Siltstone: lgt grn to green, mod hrd, mildly calcarious			
					tr	Sandstone: light brn to orange., mod hrd, calcarious, md - subrnd, mod sort possibly calc cemented.			
						Top Clifton? Samples badly contaminated with Gellibrand Marl.			
300 m						'as for 290 m sample'			
310m.					90	Claystone, as above			
					10	Grit - Sandstone, yellow-brown, dark grey, light grey, white, loose, firm very coarse grained (grit size) to fine grained, ferruginous, calcareous, fossiliferous, very poorly sorted, porosity poor to good (i.e. 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; Quartz, yellow-brown, v. coarse grained, ironstained and young, little transport because still have pyramid crystal faces. Some grains are worn & slightly round Shell Sand, light grey, fine grained, strongly calcareous, porous. Sand, wh - dark brown, calcareous with ferruginous iron nodules			
320m					90	Claystone, as above.			
					10	Grit - Sandstone, as above.			
330m					80	Claystone, as above			
					10	Sandstone, buff to medium brown, fine grained, ferruginous, slightly calcareous is the main species with minor, medium grained quartz grains, trace glauconite. (Coal-in at Clifton Fm			
					20	Marl, brown-grey, slightly fossiliferous, pyritic.			

SAMPLE	T	SHALE	ST.	COAL	THE	SAMPLE DESCRIPTION
80					100	Marl: gry-dark gry, soft sticky hydratable, becoming clayey & less calcarious. Fossils inc echinoid spines, gastropods, shell frags, minor forams.
90					100	Marl: A/A Strongly calcarious
200					100	Claystone: gry, soft sticky, mildly calcarious. Fossils inc forams, gastropod, echinoid spines, shell frags, forams (almost marl)
					tr	Pyrite: diss
210					100	Claystone: A/A
					tr	Pyrite: A/A.
220					100	Claystone: A/A weakly calc
					tr	Pyrite: A/A
230					100	Claystone: A/A
					tr	Pyrite: AA
240					100	Claystone: A/A
					tr	Pyrite: A/A.
250					100	Claystone: A/A
260					100	Claystone: A/A
270					100	Claystone: A/A
					tr	Pyrite: Diss
80					100	Claystone: A/A
					tr	Pyrite: Diss
290					100	Claystone: A/A
					tr	Pyrite

MPLE	ST	SHAL	MST	COAL	THE	SAMPLE DESCRIPTION
20m					100	Calcarenite: lgt gry – lgt brn, mod hrd, vfg–mg, sub rnd–sub ang, calc cement; shell frags, forams, echinoid spines.
30						As above.
40m					100	Calcarenite: A/A minor glauconite,
50m					100	Calcarenite: A/A
					tr	Marl: ark. gry, soft, sticky, mod calc, fossil frags, rare glauc,
60m					100	Calcarenite: A/A
					tr.	Marl A/A
70					90	Calcarenite: A/A
					10	Marl: A/A
80					90	Calcarenite: A/A rare bryozoan
					10	Marl: A/A
90					80	Calcarenite: A/A } abundant fossil frags, bryozoan, turretted gast, echinoid spines
					20	Marl A/A } gastropods,
					tr	Pyrite: oliss.
100					100	Marl: lgt gry – drk gry, sft–frm, 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

SAMPLE	PERCENTAGE SAND	SHALE	LST	COAL	OTHER	SAMPLE DESCRIPTION	WELL NAME	GEOLOGIST	PAGE
760m					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 cave-in.)			
770m					100	Sandstone, white to clear, loosely consolidated, coarse grained to very coarse grained, sub angular to subrounded, moderately sorted, quartzose, trace of grey & red-brown quartzite & grey meta-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.			
790m					100	Sandstone, as above, medium to coarse grained, dominantly coarse grained, lith up to 5 to 10% as above			
					tr	Black Coal			
800m					100	Sandstone, as for 790 m., with a grey-brown silt fraction.			
810m					100	Sandstone, as above, very coarse grained to coarse grained, c up to 10% lithics			
					tr	Carbonaceous Shale, black, fissile, pyritic			
820m					100	Sandstone, m-c.g, as above, trace lithics			
830m					100	Sandstone as for 820m, minor pyritic cement. lithics as above up to 10%			
840m					100	Sandstone, as for 820 m, some v.c.g. grains			
850m					100	Sandstone, as for 820m, lithics up to 5%.			
					tr	Coal, bk			
					tr	Sandstone, grey-white, firm to hard, cemented, v.f.g., subrounded, moderately sorted, quartzose., poor visual porosity.			

SAMPLE	PERCENTAGE SAND	SHALE	LST.	COAL	OTHER	SAMPLE DESCRIPTION	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. cmt, up to 5% lith			
					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, white, 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			

SAMPLE	PERCENTAGE SS	SHALE	LMS	COAL	OTHER	SAMPLE DESCRIPTION	WELL NAME	GEOLOGIST	PAGE
940m						'as for 930m'			
950m						'as for 930m'			
960m					100	Sandstone, loosely consolidated, as above, m-c.g. with only a trace of lithics & a trace of pyrite			
					tr	Cemented Sst, as above			
970m						Appears to be a badly contaminated sample, c.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 cmt.			
					tr	Silty Claystone as described :- '870m'			
					tr	Siltstone, medium grey, hard, as above			
980m					30	Coal, black, dull.			
					tr	Siltstone, as above & Carbonaceous Shale, black.			
					70	Sandstone, loosely consolidated, as above, m-c.g, dominantly c.g.			
990m					70	Coal, black, dull.			
					30	Sandstone, as above			
					tr	Siltstone, as above & Carbonaceous Shale, black.			
1000m					20	Coal, black dull.			
					40	Cemented, v.f.g. sst, as above			
					40	Sandstone, loosely consolidated, as above			
1010					60	Sandstone, white to light grey, firm to hard, fine to very fine grained, subrounded, moderately sorted, quartzose, pyrite cement may be common in places, slightly calcareous, poor to moderate visual porosity. (Minor Kaolin matrix)			
					40	Sandstone, loosely consolidated as above			
					tr	Coal bk dull & above siltstone bn, hard			

MISC 09

SAMPLE	PERCENTAGE SST	SHALE	LMST	COAL	OTH	SAMPLE DESCRIPTION
						WELL NAME / GEOLOGIST / PAGE
1020						'as for 1010m'
1030						'as for 1010m'
1040					70	Sandstone, white, loosely consolidated, medium to very coarse grained, dominantly coarse grained, subrounded to subangular, moderately sorted, quartzose
					30	Cemented sst, as above
1050						'as for 1040m'
1060					90	Sandstone, loosely consolidated, as above
					10	Cemented sst, as above
					tr	Carbonaceous Shale, black, fissile, pyritic
1070					90	Cemented sst, as above
					10	Sandstone, loosely consolidated, as above, dominantly v.cg.
1080					90	Cemented sst, as above
					5	Sandstone, loosely consolidated, as above
					5	Coal, black dull, as above
1090					90	Sandstone, loosely consolidated, as above, m-c.g., dominantly c.g.
					5	Coal, as above
					5	Cemented Sst, as above
1100					100	Sandstone, loosely consolidated, as above. c.g, dominant grain size, minor py. cmt
					tr	Coal, as above
1110					60	Sandstone, loosely consolidated, as above, m.g-v.c.g, dominantly c.g, py. cmt
					30	Sst, Cemented, as above, v.f.g, py. cmt.
					10	Siltstone, med. brown, hard, with carbonaceous flecks.

SAMPLE	PERCENTAGE SS	SHALE	LM	COAL	OTHER	SAMPLE DESCRIPTION	WELL NAME	GEOLOGIST	PAGE
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, pale sl. 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	Pyrite & Glauconite, c.g.			
					10	Carbonaceous Shale, bk.			
					10	Claystone, buff-brown, soft, dispersive. Up to 5 to 10% Amber. (Mineral fluorescence)			
1150.					20	Silty Claystone, med grey, soft, dispersive, sl carbonaceous,			
					40	Siltstone, buff-brown, hard, cemented, indurated, dolomitic, a few carbonaceous specks			
					20	Sst, wh, cemented, as above			
					20	Sst, loose, as above			
					tr	Carbonaceous shale black, amber.			

SAMPLE	PERCENTAGE SST	SHALE	LMS	COAL	OTHER	SAMPLE DESCRIPTION	WELL NAME	GEOLOGIST	PAGE
1160.					90	Sandstone, white to clear, loosely consolidated, very coarse grained to medium grained, dominantly coarse grained, sub-rounded to sub-angular,			
					10	Siltstone, dolomitic, as above			
					tr	Coal, black,			
					tr	Fine grained, cemented sst, pyritic comm.			
1170					60	Sst, wh, cemented, v.f.g, as above			
					30	Sst, loosely consolidated, as above, v.c.g. dominant.			
					10	Siltstone / v.f.g Sst, dolomitic, cemented, hard, as above			
					tr	Silty Claystone, med. brown & medium grey, s.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-vcg, dominantly c.g.			
					5	Py. cg.			
					tr	Gl. dk gn, rods,			
					tr	Sst, wh, v.f.g, calcareous cemented as above			
					tr	Silty Claystone dk grey firm to soft sl. carbonaceous			
1190m					80	Sandstone, white to clear, loosely consolidated m-v.c.g., dominantly c.g, sub-rounded to sub-angular, moderately sorted, quartzose.			
					20	Siltstone, medium brown, hard, dolomitic cemented, sl. glauconitic			
					tr	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			
					tr	Cemented sst. wh. fg, as above & gl & coal. bk & dispersive soft med bn Silty Claystone			

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SAMPLE	SST	SHALE	LMS	COAL	OTHER	SAMPLE DESCRIPTION
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 cemented, 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
					tr	Fine grained, cemented sst, as above, sl glauconitic.
1230					100	Sandstone, white to light green (light green hue is most evident in hand specimen). 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.
					tr	Silty Claystone, as above
1235						'as for 1230'
1240.						'as for 1230' note rare gl. & minor gn clay, prob argillaceous glauconite, it is the finer grained component that is clear
1245.						'as for 1230'

SAMPLE	PERCENTAGE SHALE	PERCENTAGE LST.	PERCENTAGE COAL	PERCENTAGE OTHER	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, ? gn clay adhering to qtz grains.
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 ? gn. clay adhering to quartz grains. Some qtz is y-bn, ?ironstained.
1265					'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.
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
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/matrix is abundant

SAMPLE	PERCENTAGE SS	SH	LMS	COAL	OTHER	SAMPLE DESCRIPTION
1325						Sandstone 'as for 1320' but f-c.g, dominantly m.g.
1330					90	Sandstone, as for 1325'
					10	Silty Claystone, dk gn-bn, v. soft, dispersive.
1335					90	Sst, as above
					10	Silty Claystone, as above'
1340					70	Sst, 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. cmt
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 1402
1415						'as for 1400' — trace dolomite buff-brown, sl. glauconitic

WELL NAME | GEOLOGIST | PAGE

SAMPLE	PERCENTAGE SST.	SHA[redacted]	LMST.	COA[redacted]	OTHER	SAMPLE DESCRIPTION [redacted] 4[redacted]ft 1459m – [redacted] WELL [redacted]ME [redacted]OLO[redacted]T [redacted] P[redacted]
1418						SILTY CLAYSTONE, mdk gy to dk gy, firm to soft, richly glauconitic, glauconite is f.g. to
1421						m.g. sand size
1424						'as for 1418m'
1427						as for 1418m
1430.						'as for 1418m' ; up to 5% dolomite, buff, hard. in bleder sample
1433						'as for 1418m
1436					75	'as for 1418m
			→		20	SILTY CLAYSTONE, as above
						GLAUCONITIC SANDSTONE, green on white, loose, fine to medium grained, dominantly medium grained, subrounded, moderately sorted.
						Accessories, bk. coal, pyritic,
					5	Dolomite, tan-brown, hard, slightly glauconitic
						Note:- These percentages are from blended sample.
1439					100	SILTY CLAYSTONE, as above
					tr	GLAUCONITIC SST, DOL as above
1442						'as for 1436'
1445.					tr.	'as for 1436'
1448						%ages in blended sample.
					90%	Silty Claystone, as above.
					10%	Qtz grains, some wh, some y-bn, discoloured,
1451					90	Silty Claystone, as above
					10	Glauconitic sst as above
1454					70	Silty Claystone, as above
					30	Glauconite m.g. quartz grains y-bn discoloured + gl sst as above

[redacted]LE	PERCENTAGE SS	SHALE	LST.	COAL	OTHER	[redacted] SAMPLE DESCRIPTION
1457					100	Silty Claystone, as above.
1460.					100	Silty Claystone, as above ↓ 1459m. Coring., samples badly contaminated
					tr	dolomite, buff, hard, as above.
1463.					100	Silty Claystone, medium grey, strongly glauconitic, firm to soft.
						tr. dolomite
1465.					95	Silty Claystone, as above
					5	Coal, bk, dull.
1466.						Core Barrel went:- @ 1459m 4786 ~~ft~~.
						Break at 1467.2 m. ~~4813.6 ft~~. 4814 ft. 27 ft.
						expect ~~23' of sd~~ 23.0
						1474.2m 4836.6 ft.
						expect top sand 18' thick
						1472.7m 4831.6 ft.
						Stuck @ 1470 m (4820 ft) (~~2.8m of sd 9 ft.~~) 6 ft. of sd
						Core Barrel in @ 4786 ft.
						Break (Top Wash) @ 4814 ft. } we have 6 ft. of sand
						Stuck @ 4820 ft. }
						Expect Top Sand of 23 ft ∴ ~~expect~~ to 4837 ft.
					or	" " " 18 ft ∴ expect to 4832 ft.

SAMPLE	PERCENTAGE SST.	SH.	LMST.	COAL	OTHER	SAMPLE DESCRIPTION
						WELL NAME: GEOLOGIST: PAGE:
1481						'Badly contaminated sample after coring'
1484					80	Sandstone, light grey-white, ~~coarse~~ medium grained to very coarse grained, dominantly coarse grained, loosely consolidated, angular to sub-angular, moderately sorted, trace pyritic cement. Pte has white clay on fracture
					10	Silty Claystone, dark grey, 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
					tr	c.g. amber or resin & pyrite (solitary & as a cement.)
1499						'as for 1496'
1502.					85	Sand, ~~wh~~ loose, as above, m-c.g, dominantly c.g.
					5	Clayey Siltstone, as above.

SAMPLE	PERCENTAGE SSL	SH	LMST	COAL	OTHER	SAMPLE DESCRIPTION
						WELL NAME: [redacted] GEOLOGIST: [redacted] PAGE: [redacted]
1505					80	Sandstone, loose, dom. 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. carbonaceous, sl. glauconitic.
					10	Dolomite, y-bn, tan, hard.
					5	Dolomitic Sst, as above
					5	Wh cemented, calcareous sst 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 SILTSTONE, med gy – med bn, firm, sl. carbonaceous, sl. micaceous & sl glauconitic
					20	Dolomitic cemented sst as above
					10	Calcareous cemented sst as above

SAMPLE	PERCENTAGE SST	SHA	LMST	COAL	OTHER	SAMPLE DESCRIPTION	[redacted]LL [redacted]ME	[redacted]OLO[redacted]R	P[redacted]
1523					40	Wh, Cemented, sst, calcareous as above			
					20	Dolomitic Cemented Sst, y-bn, tan, as above			
					40	Clayey Siltstone, as above.			
					tr	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.			
					tr	Loose qtz, pyrite & shell fragments			
1529					70	Clayey Siltstone, medium grey, argillaceous in part, feldspathic, pepper & salt textured, feldspathic, sl carbonaceous.			
					20	Wh cemented sst, as above			
					10	Dolomitic cemented sst as above			
					tr	Lithic Sst, f.g.			
1532					60	Clayey Siltstone, as above.			
					20	Wh. cemented sst, as above			
					20	Dolomitic Siltstone, buff-cream brown, soft			
					tr.	Loose sst, dominantly c.g., as above			
					tr	Lithic Sst, f.g.			
1535					30	Coal, black, shiney.			
					70	Siltstone, dark brown, firm to soft, sl. carbonaceous			
					tr	Dolomitic Siltstone, as above			

SAMPLE	PERCENTAGE SST.	SH.	LMST.	COAL	OTHER	SAMPLE DESCRIPTION
						WELL NAME [redacted] GEOLOGIST [redacted] PAGE [redacted]
1538					100	SILTSTONE, dark grey & medium brown, firm to soft, sl. carbonaceous
					tr	Black coal, dolomitic sst & wh cemented 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
					tr	Black coal & carbonaceous shale
					tr	Shell fragments, c.g glauconitic reds
					10	Quartz, c.g, loose
1544					20	Black Coal (cave-in?), vitreous lustre
					70	SILTY CLAYSTONE & SILTSTONE, as above. Note: up to 30% of this lithotype is soft, buff-cream brown, dolomitic siltstone
					10	Quartz, c.g, loose
					tr	c.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 feldspar, light 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 ltgy-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 wh to clear, poorly cemented, m-v.c g, dominantly c.g, sub-angular to sub-rounded, moderate to poorly sorted
					tr	SILTY CLAYSTONE & SILTSTONE as above & v.c.g grey quartzite fragments

SAMPLE	PERCENTAGE SS	SH	LMS	B	OTHER	SAMPLE DESCRIPTION	WELL NAME	GEOLOGIST	PAGE
1556					95	LITHIC SANDSTONE, as above			
					5	SILTSTONE, red. brown, firm to hard, strongly glauconitic, sl. micaceous, sl. carbonaceous.			
1559					90	SANDSTONE, white, loosely consolidated, medium to very coarse grained, dominantly coarse grained, subangular to subrounded, moderate to poorly sorted, quartzose,			
					10	LITHIC SANDSTONE, as above			
1562.					50	SANDSTONE, white, loose, A/A.			
					30	LITHIC SANDSTONE, as above			
					20	SILTY CLAYSTONE, as above	TOP OTWAY 1562m		
1565					100	CLAYSTONE light grey, very soft, peggy. Texture & slight whiteness indicates probably kaolinitic			
1568					100	CLAYSTONE, as above.			
1571					95	LITHIC SANDSTONE, white, dark grey & medium green, fine to very coarse grained, dominantly medium grained, subangular to subrounded, moderately sorted, quartzose 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, sl. carbonaceous			
1574					95	LITHIC SANDSTONE, as above			
					5	SILTY CLAYSTONE, as above			
1577					70	LITHIC SANDSTONE, as above			
					30	SILTY CLAYSTONE, as above.			
1580					100	LITHIC SANDSTONE, as above, dominantly c.g.			
					4	Block Coal.			
1583					100	LITHIC SANDSTONE, as above, minor red-brown lithics			
~~1586~~									

SAMPLE	PERCENTAGE SST	SHAL	LMST	COAL	OTHER	SAMPLE DESCRIPTION
1586					70	LITHIC SANDSTONE, as above
					30	SILTY CLAYSTONE, as above
1589					90	LITHIC SANDSTONE, as above, f~v.c.g, dominantly f-m.g.
					10	SILTY CLAYSTONE, medium to dark grey, firm to soft, moderately glauconitic
1592						'as for 1989m'
1595					100	CLAYSTONE, light grey, very soft, sticky, puggy.
					tr	LITHIC SANDSTONE,
1598						'as for 1989m'
1601						'as for 1989m'
1603						'as for 1989m'

TOTAL DEPTH 1603 metres

APPENDIX - 3

CORE DESCRIPTIONS AND ANALYSIS

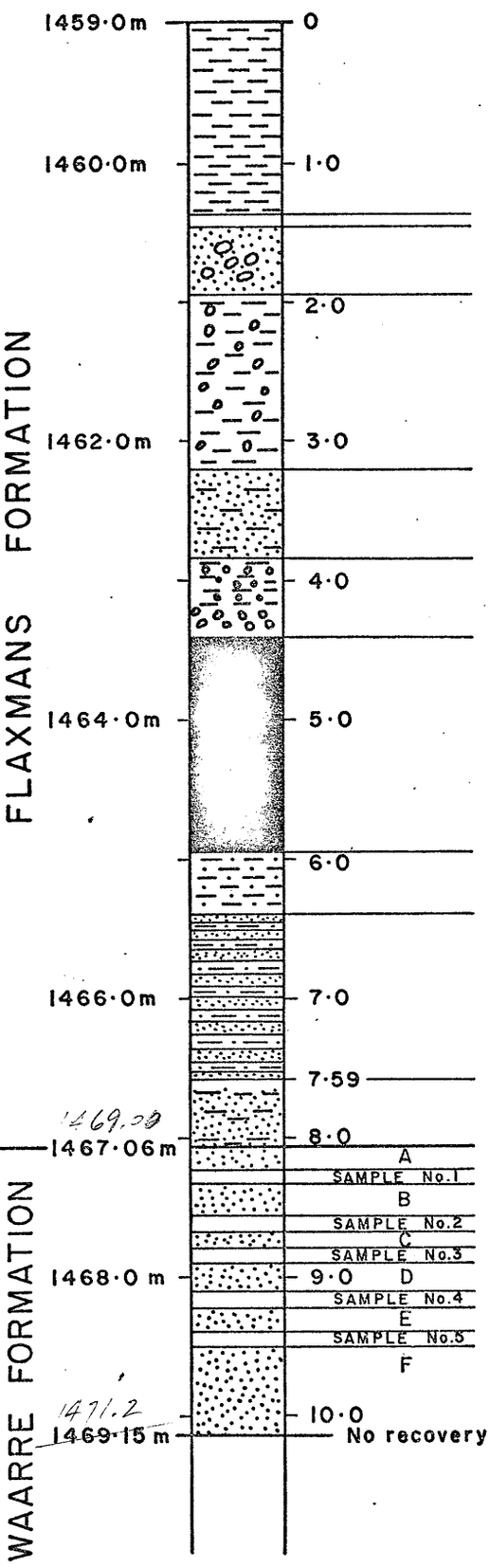
Note: The depths on the core description sheets are drillers depths. These have been shown to be 2 metres shallow when compared with the wireline logs. The mistie is assumed to have arisen due to the neglect of part of the BHA in the drill string tally whilst drilling. The solution to the mistie is best 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



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

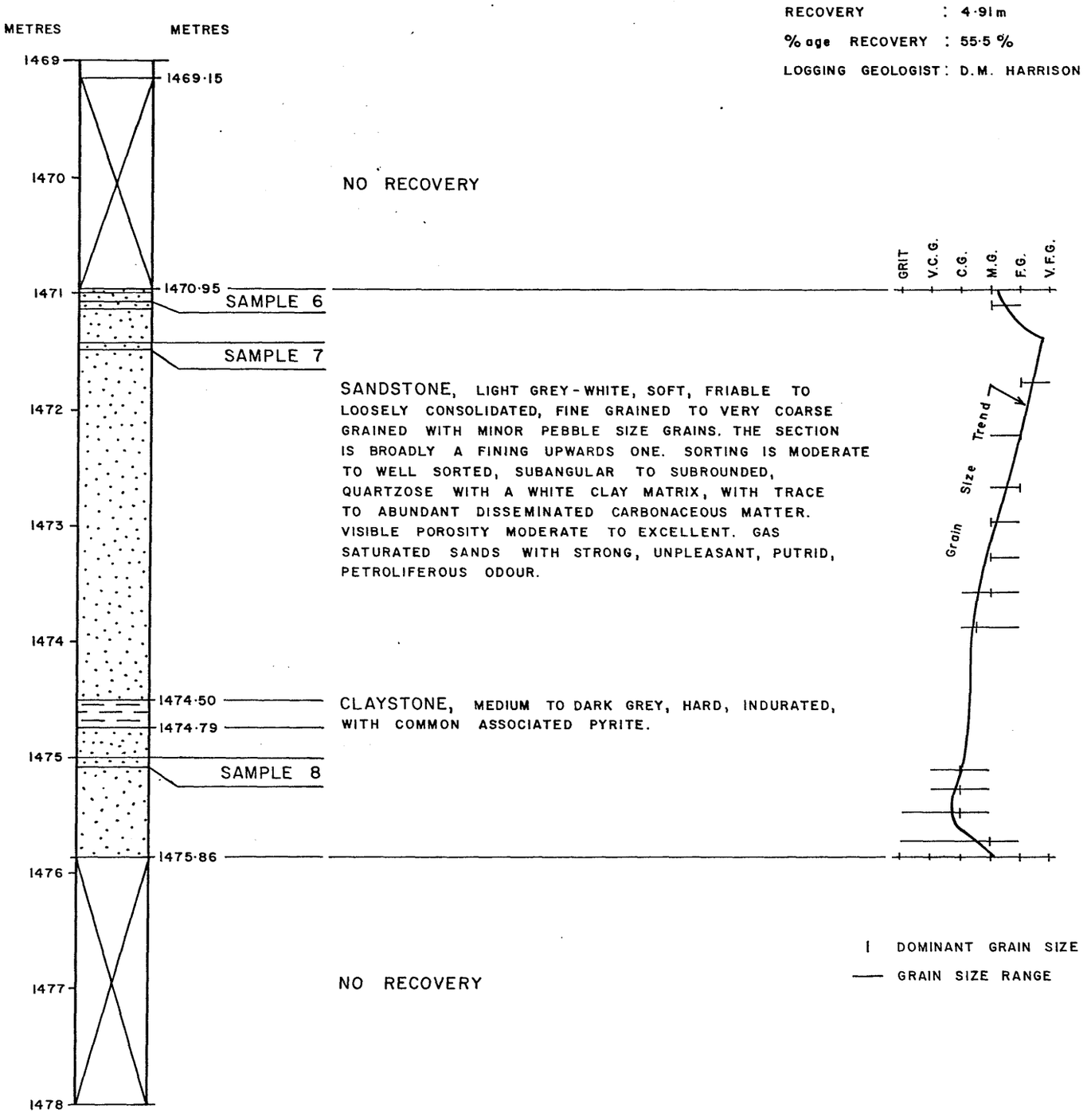
NOTE :- THE MAJOR PORTION OF SAND 'F' WAS LOOSELY CONSOLIDATED TO UNCONSOLIDATED.

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.

CL-511-1

CORE LABORATORIES, INC.

Petroleum Reservoir Engineering
DALLAS, TEXAS

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

SAMPLE NUMBER	DEPTH ~~FEET~~ M	PERMEABILITY ~~MILLIDARCYS~~ KL HORIZ.	VERT.	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	TOTAL WATER	GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS
	1469.1							
1	?	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
	?	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	?	539	35	25.6			2.65	SST: A/A med crse.
	1471.2 ~~1469.2~~	34	8.3	20.3			2.64	SST: A/A, abunt argill carb laminations.
	1471.0 ~~1469.03?~~	988	276	29.0			2.69	SST: A/A, med crse, firm, well sort.
	1475.2 ~~1473.19~~	847	481	25.6			2.76	SST: med gy, crse-v crse, fria, mod sort, argill mtx, sub ang sub rnd, abunt pyrite.
	1476.1							

C1 C2

2701/3 = 525 1436/3 17.../3 = 24.8

Received
2pm
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 POROPERM 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

*
BEAPETDAA36500
TO MR D HARRISON - 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:

		PRESSURE, PSI					
		1	2	4	8	15	35
SAMPLE NO.	KA(MD)	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 PERCENT	FF	BRINE SATN. PERCENT PORE SPACE	RESISTIVITY INDEX	AVERAGE ''N''
2H	23.2	11.5	100.0	1.00	
			69.3	1.97	1.83
			51.2	3.40	
			39.5	5.42	
			30.9	8.50	
5H	25.1	9.9	100.0	1.00	
			67.3	1.98	1.73
			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

24A LIM TECK BOO ROAD, SINGAPORE 1953. TELEX: RS21423 TEL: 282 1222

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 Rw value given by Beach Petroleum, and it's 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....

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

COMPANY: BEACH PETROLEUM N.L. FORMATION:

WELL: NORTH PAARATTE NO.2 COUNTRY: AUSTRALIA

FIELD:

IDENTIFICATION AND DESCRIPTION OF SAMPLES

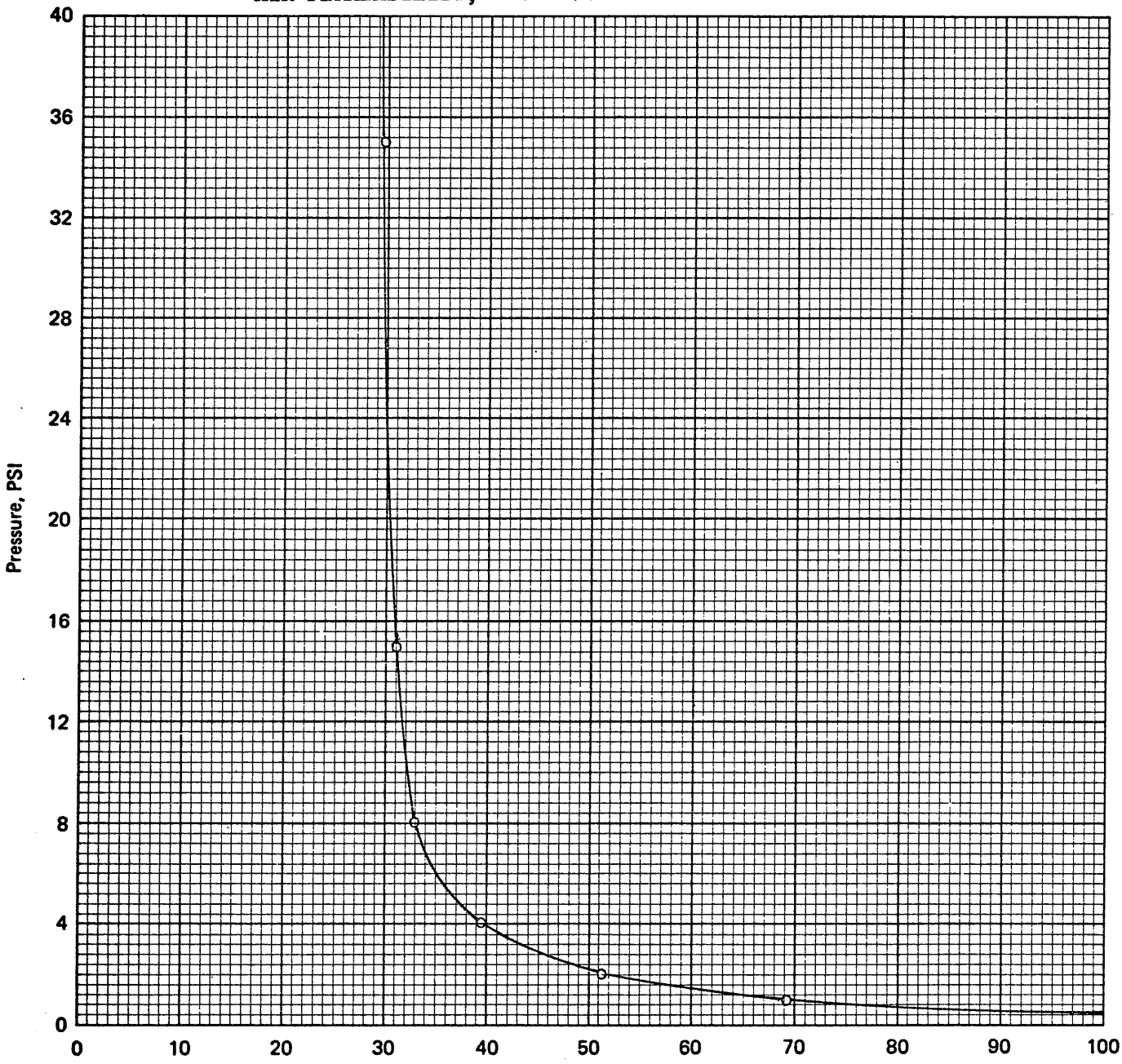
Sample Number	Depth, Feet	Lithological Description
2H	N/A	SST:gy, f-mg, occ cg, cg lam, mod-p cmtd, mod-p std, subang-sub rdd.
5H	N/A	SST:gy, fg, mod cmtd, w std, subang-sub rdd, abd carb lams.

AIR-BRINE CAPILLARY PRESSURE DATA

Sample Number	Permeability Millidarcys	Porosity Per Cent	Brine Saturation, Per Cent Pore Space					
Pressure, Psi:			1	2	4	8	15	35
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

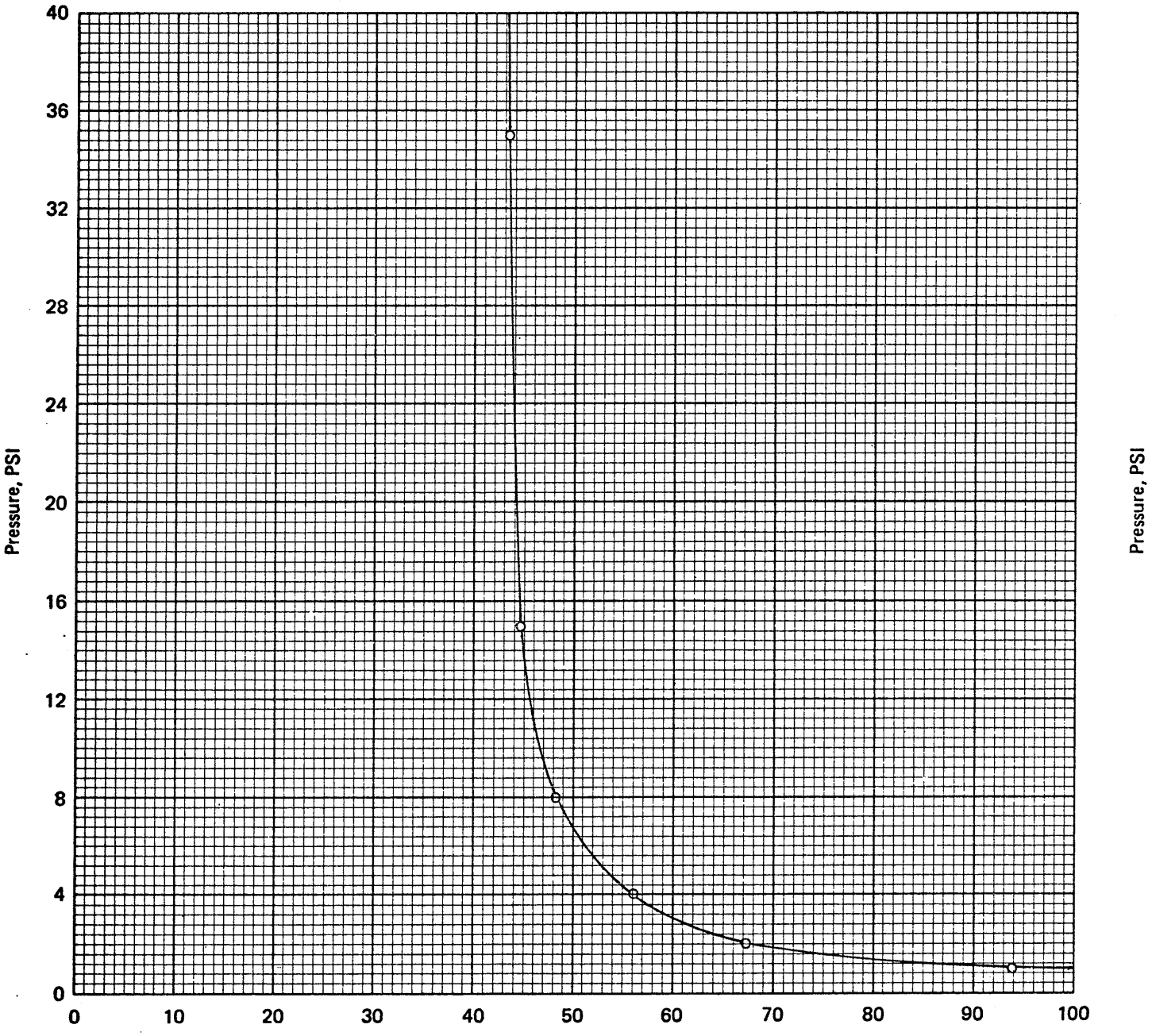
Company BEACH PETROLEUM N.L. Formation
Well NORTH PAARATTE NO.2 Country AUSTRALIA
Field

SAMPLE NUMBER: 2H
AIR PERMEABILITY, MD: 1170



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

SAMPLE NUMBER: 5H
AIR PERMEABILITY, MD: 587

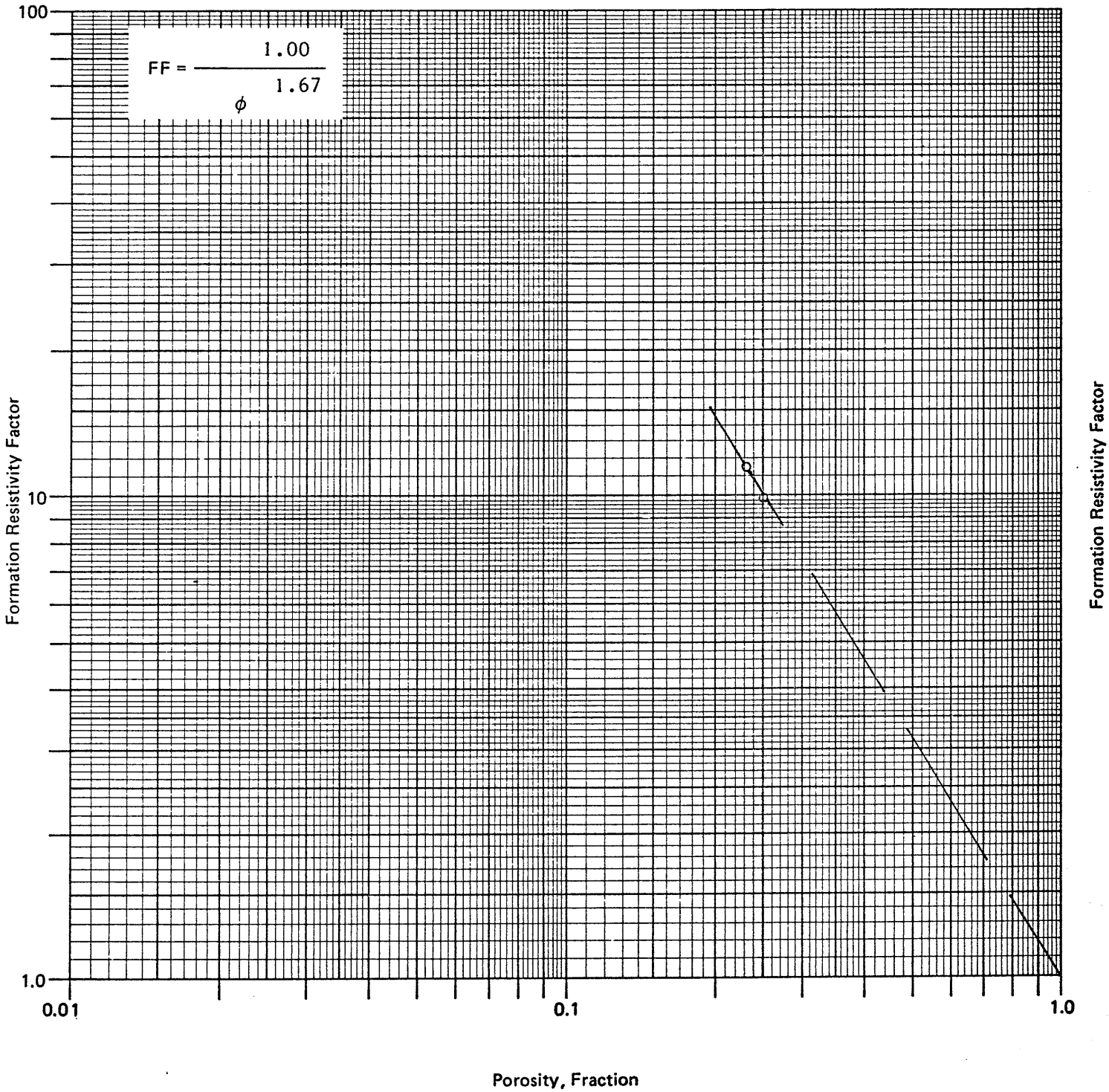


FORMATION FACTOR AND RESISTIVITY INDEX DATA

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

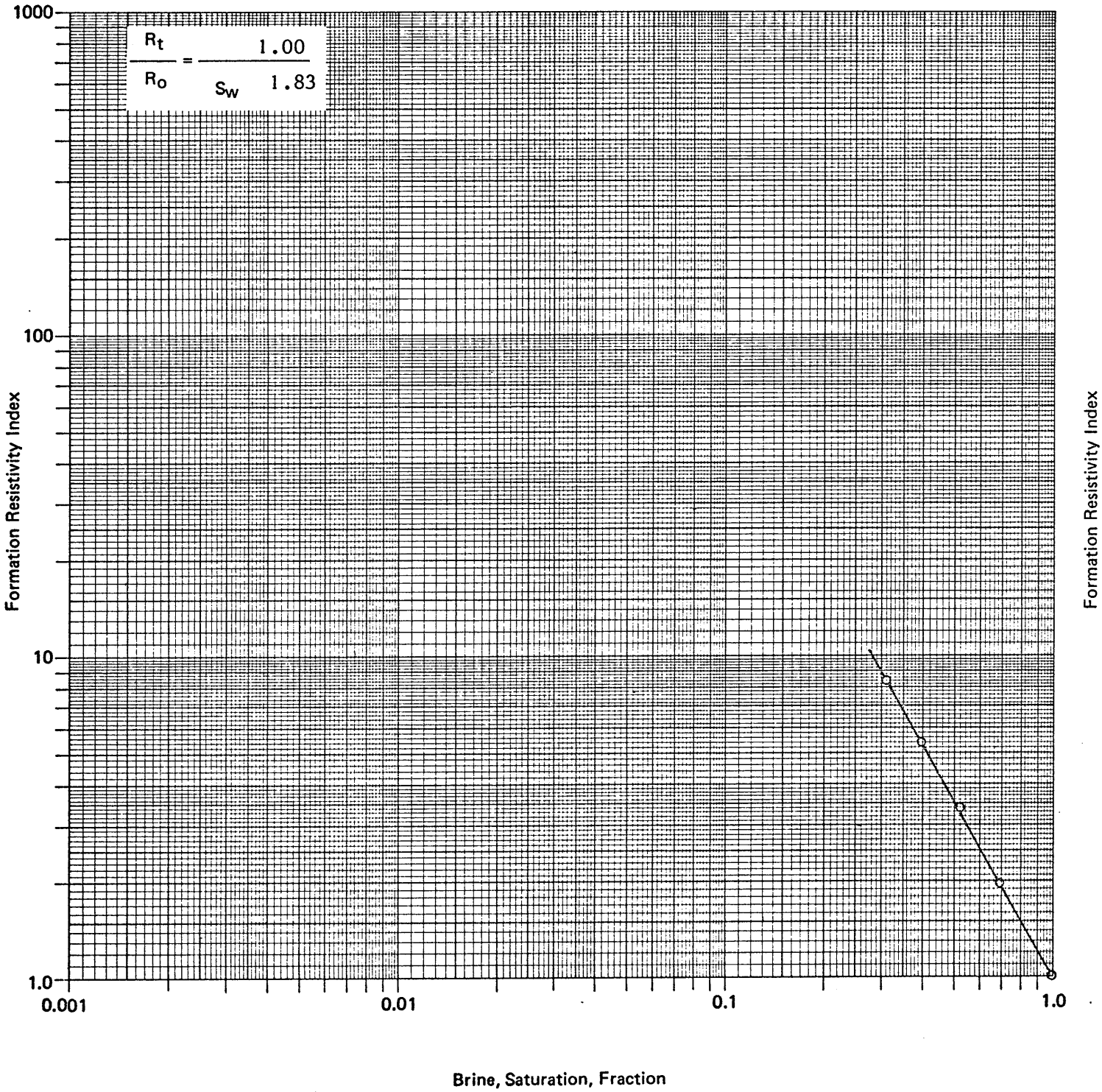
Sample Number	Air Permeability Millidarcys	Porosity Per Cent	Formation Factor	Brine Saturation Per Cent Pore Space	Resistivity Index
2H	1170	23.2	11.5	100	1.00
				69.3	1.97
				51.2	3.40
				39.5	5.42
				30.9	8.50
5H	587	25.1	9.9	100	1.00
				67.3	1.98
				56.1	2.75
				48.3	3.55
				44.6	3.94

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



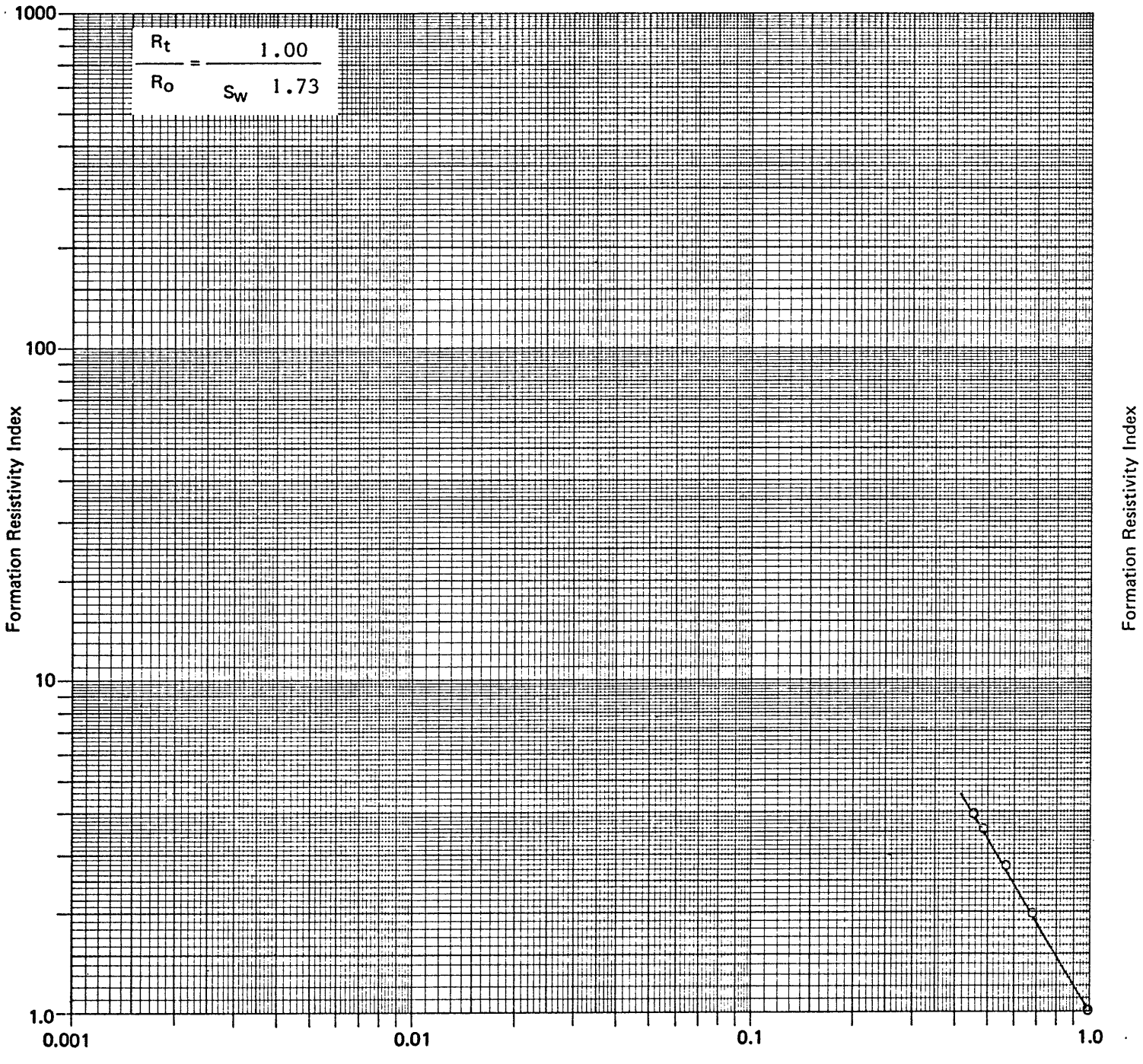
Company BEACH PETROLEUM N.L. Formation
Well NORTH PAARATTE NO.2 Country AUSTRALIA
Field

SAMPLE NUMBER: 2H



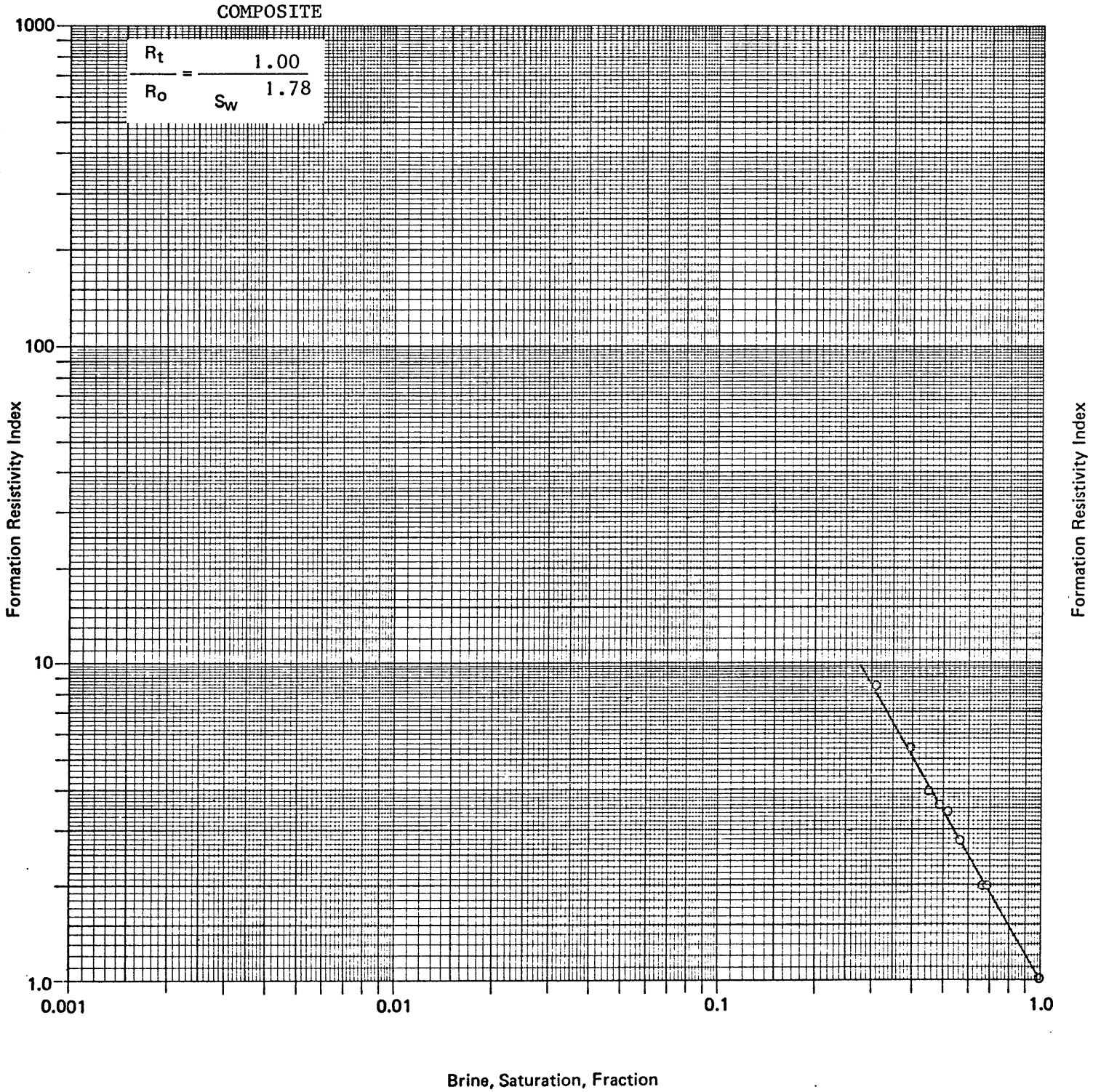
Company BEACH PETROLEUM N.L. Formation
Well NORTH PAARATTE NO.2 Country AUSTRALIA
Field

SAMPLE NUMBER: 5H



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

COMPOSITE



APPENDIX - 4

DRILL STEM TEST SERVICE REPORT

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 2-5-81 Ticket Number 002099
Kind of D.S.T. OPEN HOLE Halliburton Location SALE
Tester SAM BURGESS Witness DERRINGTON
Drilling Contractor O D & E SM

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 8½"
Drill Collar Length 450' I.D. 2 15/16"
Drill Pipe Length 4326' I.D. 3.6" ?
Packer Depth(s) 4792-4797' Ft.
Depth Tester Valve 4785' Ft.

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

Recovered Feet of
Recovered Feet of
Recovered Feet of
Recovered Feet of
Recovered Feet of

Meas. From Tester Valve

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.	
	12 Hour Clock	24 Hour Clock	Hour Clock	Tool Opened 1805
Est. °F.	Blanked Off no	Blanked Off yes	Blanked Off	
Actual 135 °F.	Pressures	Pressures	Pressures	Opened Bypass 1945

		Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic		2345	2329.8	2338.7	2358.6				
First Period	Flow Initial		414.8		Plugging			—	—
	Flow Final		550.3		Plugging			30	
	Closed in		636.6		Plugging			40	
Second Period	Flow Initial		494.6		Plugging			—	—
	Flow Final		482.7		Plugging			30	
	Closed in								
Third Period	Flow Initial							—	—
	Flow Final								
	Closed in								
Final Hydrostatic		2345	2336.4	2338.7	2365.3			—	—

Legal Location Sec. - Twp. - Rng.
Lease Name NORTH PAARATTE
Well No. 2
Test No. 1
Tested Interval 4797 - 4849'
Lease Owner/Company Name BEACH PETROLEUM
Field Area PORT CAMPBELL
County VICTORIA
State AUSTRALIA

FORM 181—R2 — PRINTED IN U.S.A.

FORMATION TEST DATA

LITTLE'S

9

sing perfs. _____ Bottom choke .75" Surf. temp 75 °F Ticket No. 002099

as gravity _____ Oil gravity _____ GOR _____

Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1100					Tools started in hole
1300					Made up surface equipment
1600					Tool on bottom - waited on safety
					equipment
1805					Tool opened
1835					Closed tool
1915					Reopened tool
1945					Unseated packer
1950					Reversed out drill pipe
2030					Started out of hole
2400					Tools out of hole.

PRODUCTION TEST DATA

TICKET NO. 002099

	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'

EQUIPMENT DATA

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 8½"
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.

Cushion TYPE NONE AMOUNT ____ Ft. Depth Back Pres. Valve NONE Surface Choke 5/8" + ½" Bottom Choke 3/4"

Recovered Feet of MISRUN...
Recovered Feet of
Recovered Feet of
Recovered Feet of
Recovered Feet of

Meas. From Tester Valve

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 Depth: 4721 Ft.	Gauge No. 2044 Depth: 4846' Ft.	Gauge No. Depth: Ft.	TIME (00:00-24:00 hrs.)
Est. °F.	12 Hour Clock	24 Hour Clock	Hour Clock	Tool Opened 11:15
Actual 135 °F.	Blanked Off NO	Blanked Off YES	Blanked Off	Opened Bypass 11:55

		Pressures Field	Pressures Office	Pressures Field	Pressures Office	Pressures Field	Pressures Office	Reported Minutes	Computed Minutes
Initial Hydrostatic		2292	2319.2	2352	2377.3				
First Period Flow	Initial	-	-	-	-			—	—
	Final	-	-	-	-				
	Closed in	-	-	-	-				
Second Period Flow	Initial	-	-	-	-			—	—
	Final	-	-	-	-				
	Closed in	-	-	-	-				
Third Period Flow	Initial							—	—
	Final								
	Closed in								
Final Hydrostatic		2292	2319.2	2352	2377.3			—	—

FORM 181—R2 — PRINTED IN U.S.A.

FORMATION TEST DATA

LITTLE'S

Legal Location Sec. - Twp. - Rng. -
Lease Name N.H. PAARATTE
Well No. 2
Test No. 2
Tested Interval 4739' - 4849'
Field Area PORT CAMPBELL
County VICTORIA
State AUSTRALIA
Lease Owner/Company Name BEACH PETROLEUM

asing perfs. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 002100

as gravity _____ Oil gravity _____ GOR _____

Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

NDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
2-6-81 7:15					Tool started in the hole.
11:15 AM					Set packers - opened tool - packers
					failed. Closed tool - reset packers -
					packers failed again.
11:50					Closed tool - unseated packers.
11:55					Dropped reversing bar and circulated.
12:15					Started out of the hole.
6:00					Tool out of the hole..

FORM 182-R1—PRINTED IN U.S.A.

PRODUCTION TEST DATA

LITTLE'S 96672 5M 8/74

TICKET NO. 002100

	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"	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	= Approximate Radius of Investigation	Feet
b_1	= Approximate Radius of Investigation (Net Pay Zone h_1)	Feet
D.R.	= Damage Ratio	——
El	= Elevation	Feet
GD	= B.T. Gauge Depth (From Surface Reference)	Feet
h	= Interval Tested	Feet
h_1	= Net Pay Thickness	Feet
K	= Permeability	md
K_1	= Permeability (From Net Pay Zone h_1)	md
m	= Slope Extrapolated Pressure Plot (Psi^2/cycle Gas)	psi/cycle
OF_1	= Maximum Indicated Flow Rate	MCF/D
OF_2	= Minimum Indicated Flow Rate	MCF/D
OF_3	= Theoretical Open Flow Potential with/Damage Removed Max.	MCF/D
OF_4	= Theoretical Open Flow Potential with/Damage Removed Min.	MCF/D
P_s	= Extrapolated Static Pressure	Psig.
P_F	= Final Flow Pressure	Psig.
P_{ot}	= Potentiometric Surface (Fresh Water *)	Feet
Q	= Average Adjusted Production Rate During Test	bbls/day
Q_1	= Theoretical Production w/Damage Removed	bbls/day
Q_g	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbls
r_w	= Radius of Well Bore	Feet
t	= Flow Time	Minutes
t_o	= Total Flow Time	Minutes
T	= Temperature Rankine	°R
Z	= Compressibility Factor	——
μ	= Viscosity Gas or Liquid	CP
Log	= Common Log	

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

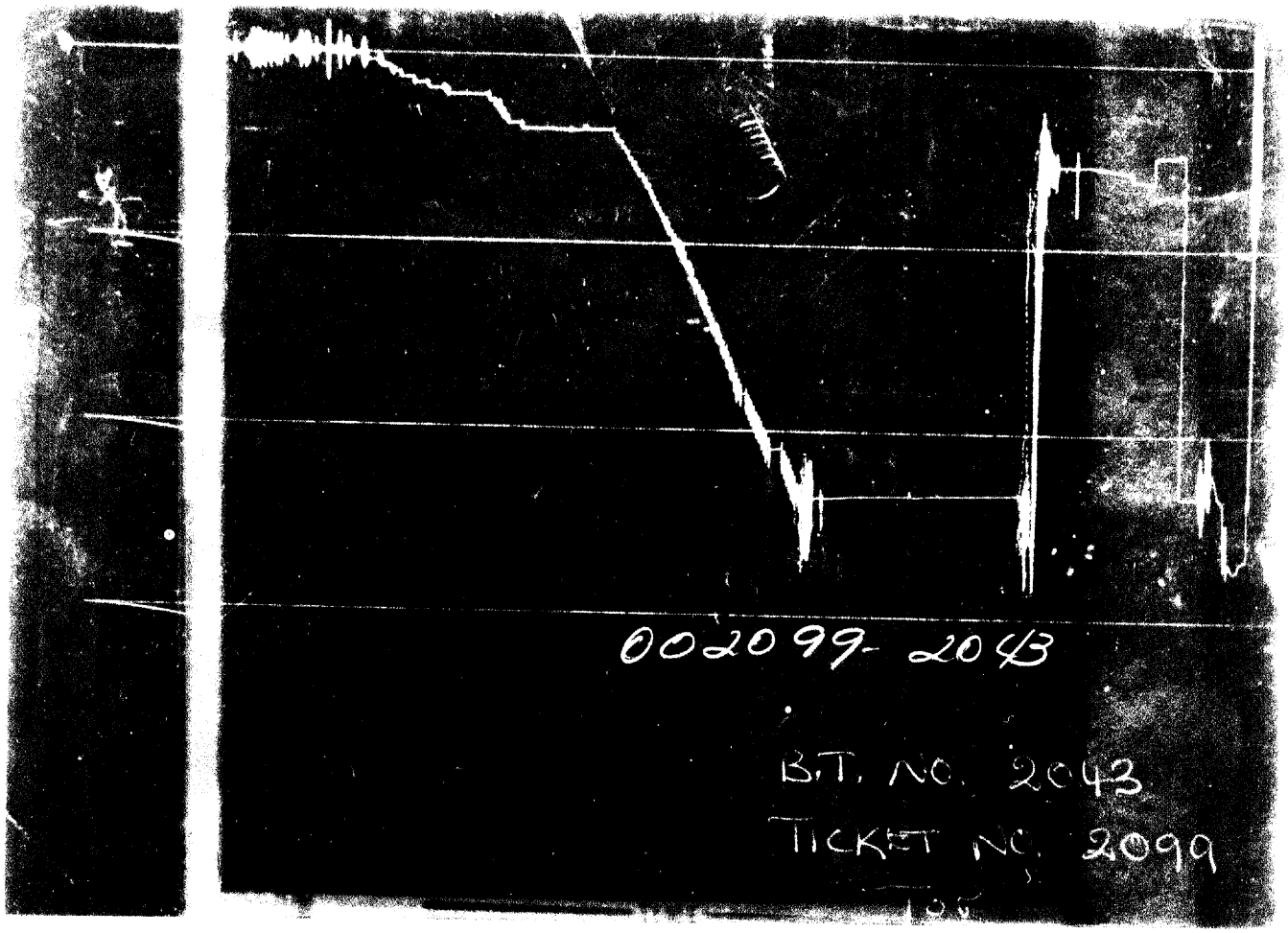
PE906816

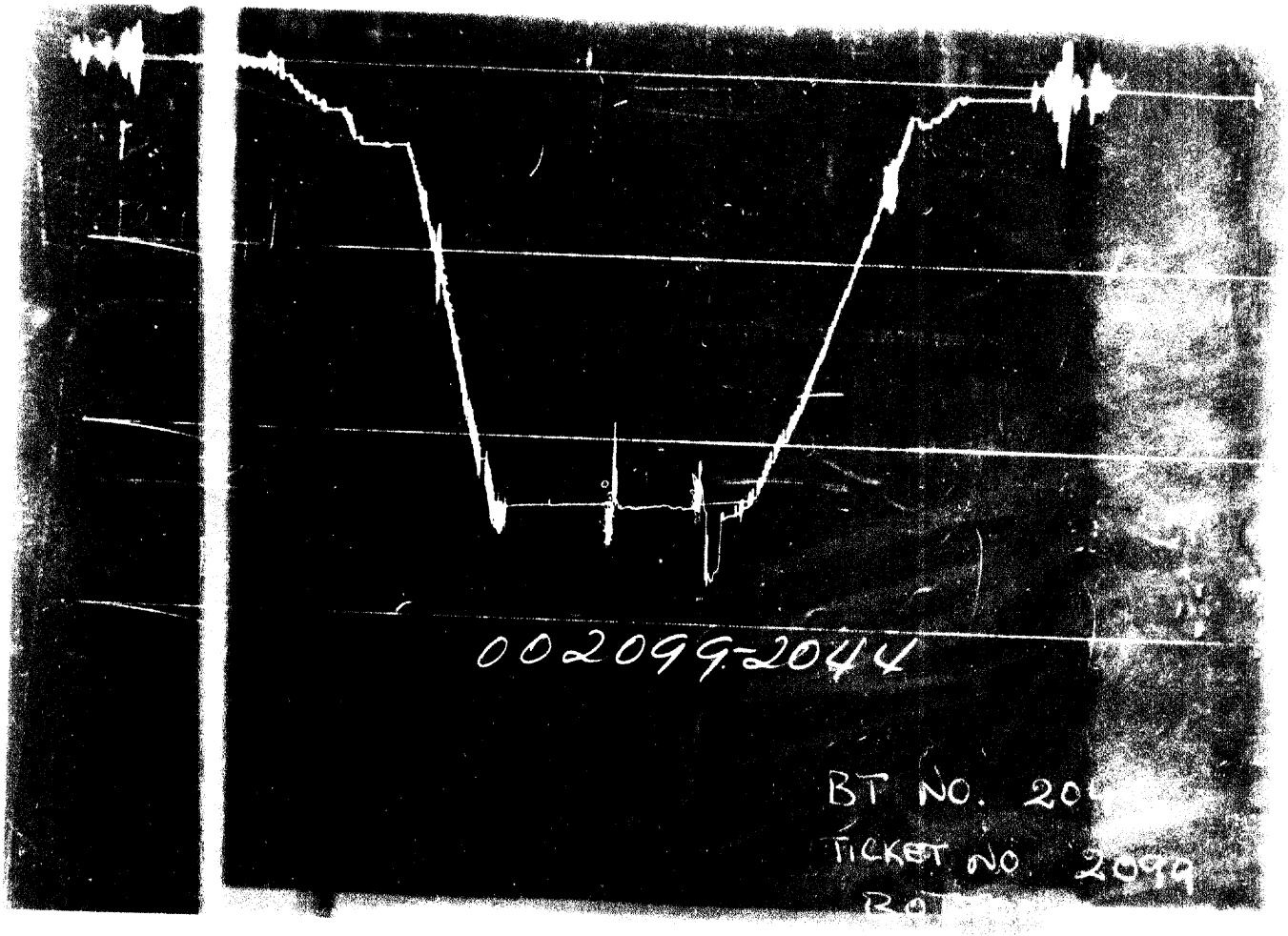
This is an enclosure indicator page.
The enclosure PE906816 is enclosed within the container PE906815 at this location in this document.

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)


002099-2043
B.T. NO. 2043
TICKET NO. 2099


002099-2044
BT NO. 20
TICKET NO. 2099

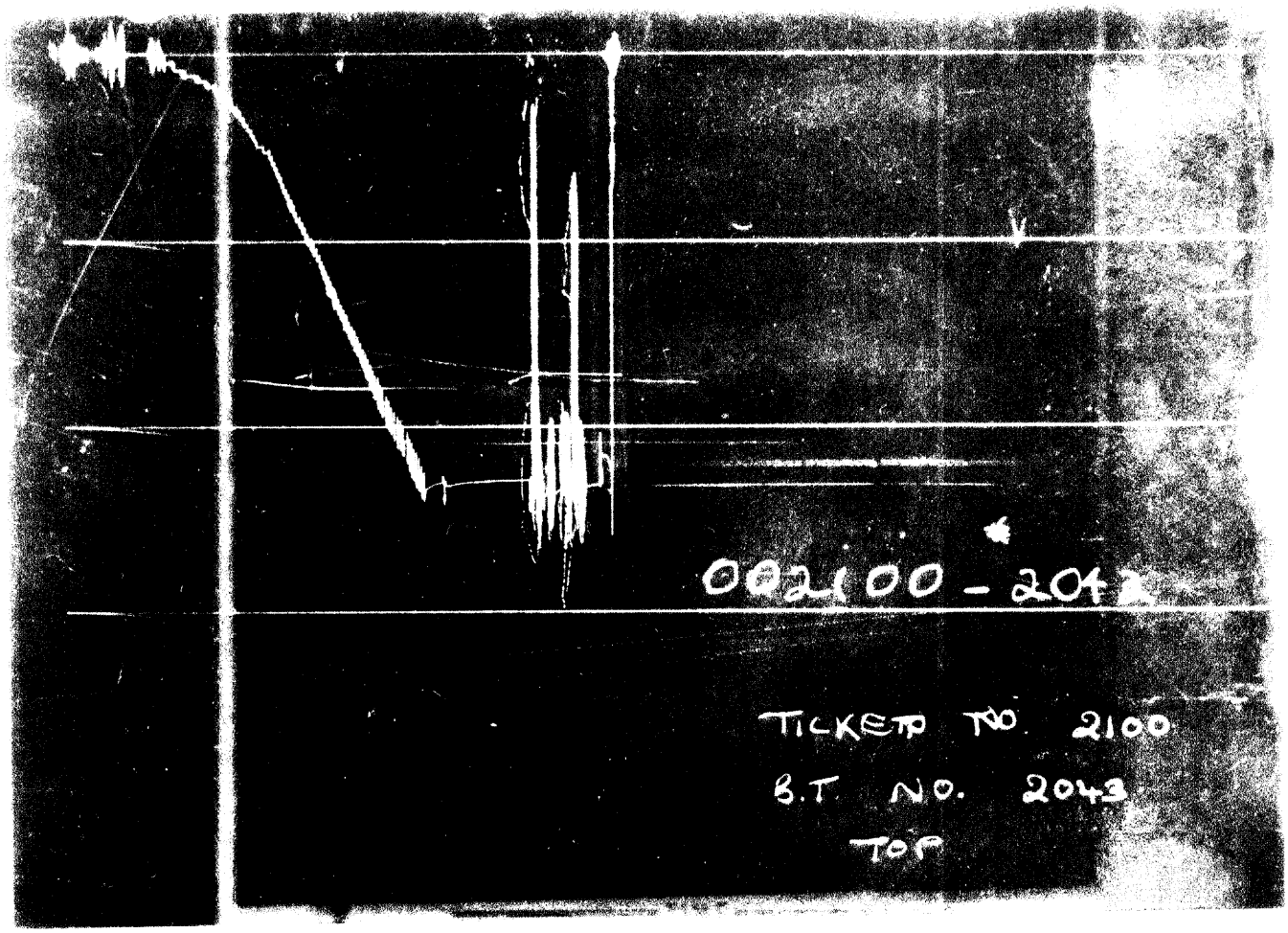
PE906817

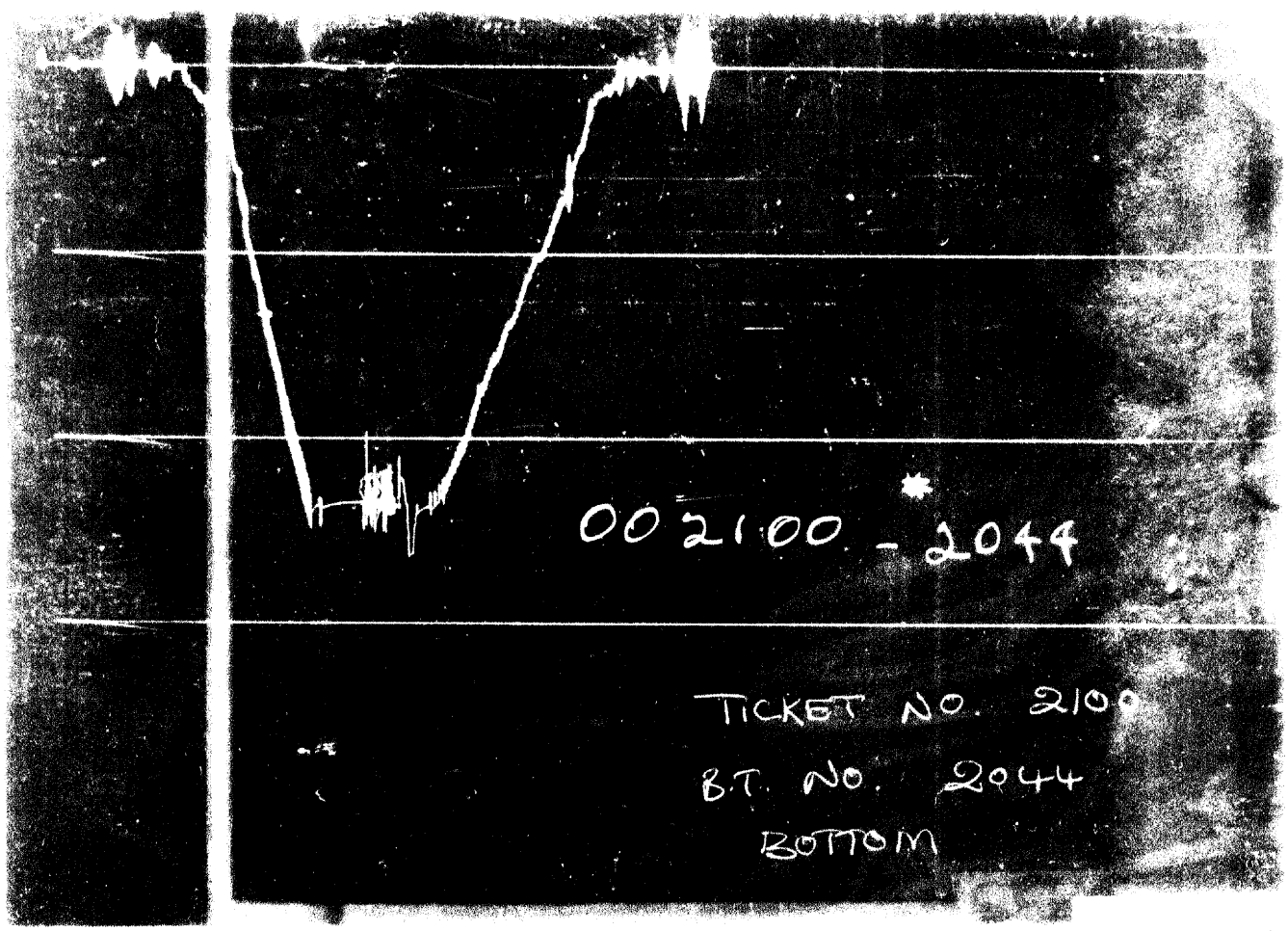
This is an enclosure indicator page.
The enclosure PE906817 is enclosed within the container PE906815 at this location in this document.

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)


002100 - 2043
TICKET NO. 2100
B.T. NO. 2043
TOP


002100 - 2044
TICKET NO. 2100
B.T. NO. 2044
BOTTOM

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 FAINT 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.

GAS AND FUEL CORPORATION OF VICTORIA
SCIENTIFIC SERVICES DEPARTMENT

6/2

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 (2) ✓ (14/6/81)
Mr. O. Anderson (1)
Mr. G. Mitchelmore (2)
Master File

Chemist	P. Baltutis	Date	11/2/81
Checked	O. Anderson	Laboratory	

23-25-4566

GAS AND FUEL CORPORATION OF VICTORIA
SCIENTIFIC SERVICES DEPARTMENT

SPECIAL TEST REPORT

Requested by: Beach Petroleum N/L
Date Received: 19/3/81
Material: Natural Gas
Query: Analysis
Origin of Sample: Sample Bomb 4024, Paaratte No. 2

Sample Book No. 81/231
Job No. 238
Report No. 81/169/AN

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

Please type only within the lines

Please type only within the lines

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

Gross Heating Value 37.5 ± 0.2 MJ/m^3

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.

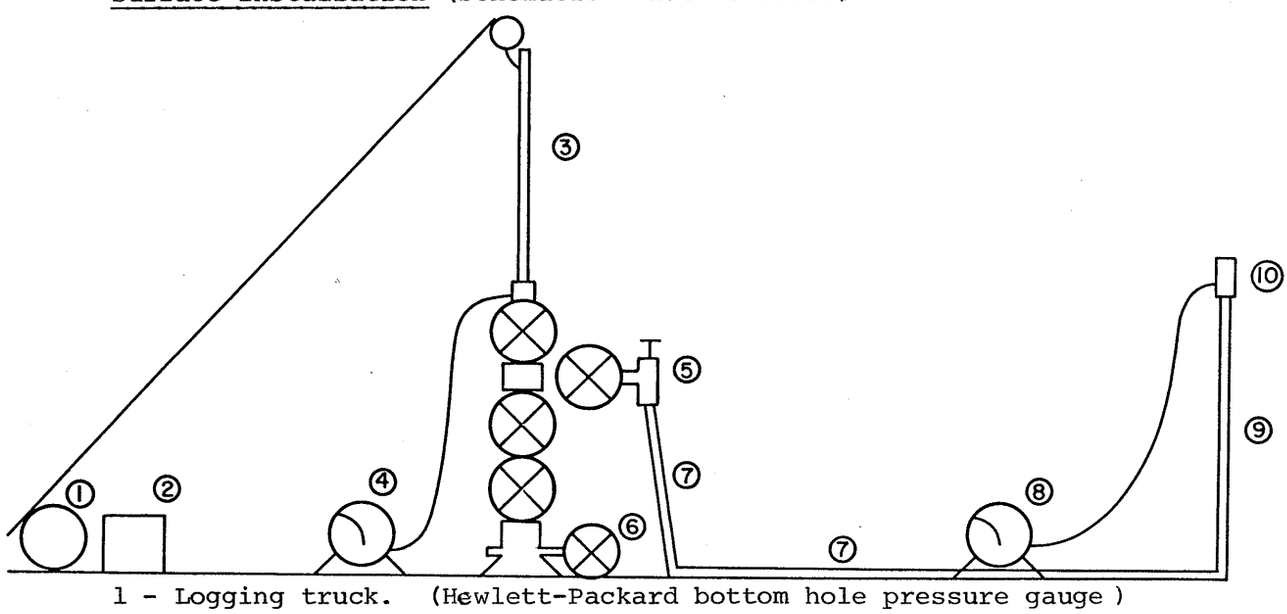
A Laboratory Certificate, Statement or Report may not be published except in full unless permission for the publication of an approved abstract has been obtained, in writing."

Chemist I. Strudwick Date 20/3/81
Checked Anderson Laboratory

23/25/4561

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^{o}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

COMPONENTS		MOL %
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

for Norton Jackson
Managing Director

glj

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

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°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

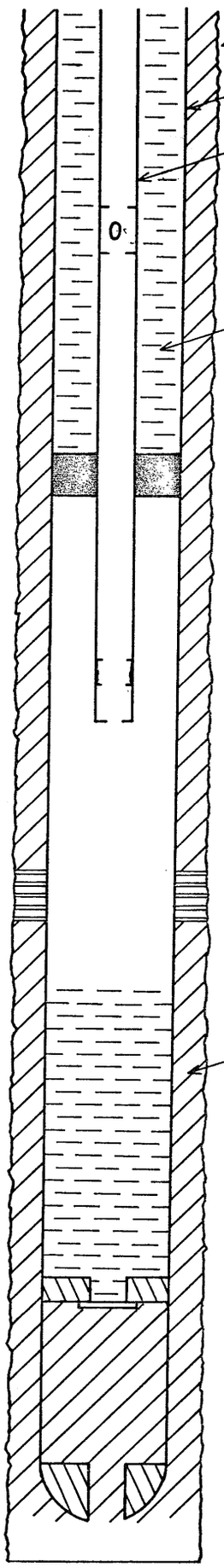
COMPLETION DETAILS

BEACH PETROLEUM N.L.

COMPLETION — NORTH PAARATTE N°2

(NOT TO SCALE)

ALL DEPTHS BELOW K.B.



8 ½" HOLE

7" CASING

2 ⅞". TUBING

1429 m (4690') — OTIS TYPE 'XO' SLIDING SIDE DOOR

PACKER FLUID (CALCIUM CHLORIDE SOLUTION)

1440 m (4726') — OTIS TYPE 'RH' PACKER

1450 m (4759') — OTIS TYPE 'XN' LANDING NIPPLE

1450 m (4760') — OTIS CATCHER SUB

1469 – 1475 m (4819 – 4839') — PERFORATIONS (4/FOOT)

CEMENT

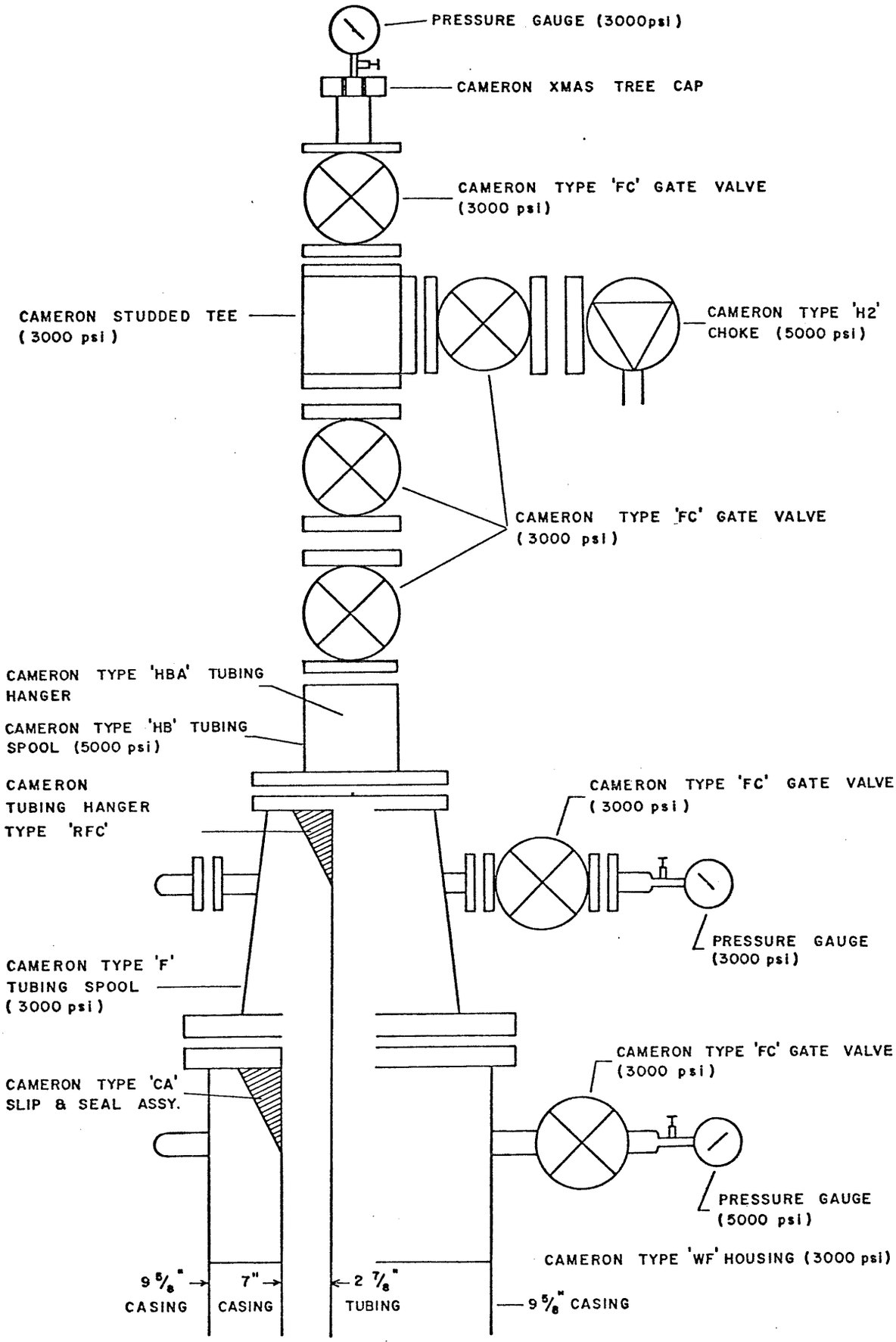
1589 m (5214') — FLOAT COLLAR

1601 m (5255') — GUIDE SHOE

1603 m (5260') — TOTAL DEPTH

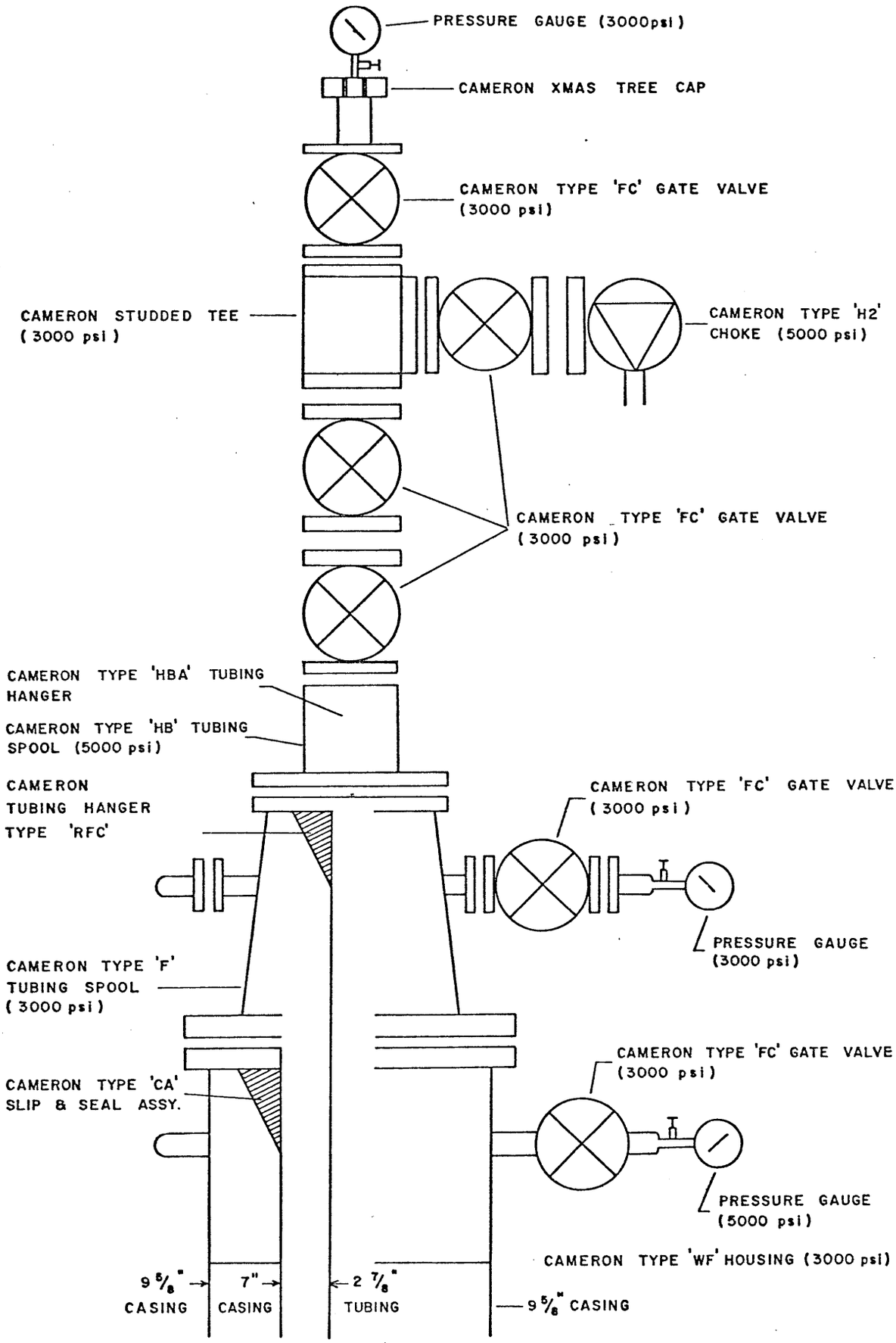
BEACH PETROLEUM N.L.

CHRISTMAS TREE — NORTH PAARATTE 2



BEACH PETROLEUM N.L.

CHRISTMAS TREE — NORTH PAARATTE 2



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.

Time	Choke	THP	CHP	FLP	Q
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.

	CHP	THP
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.

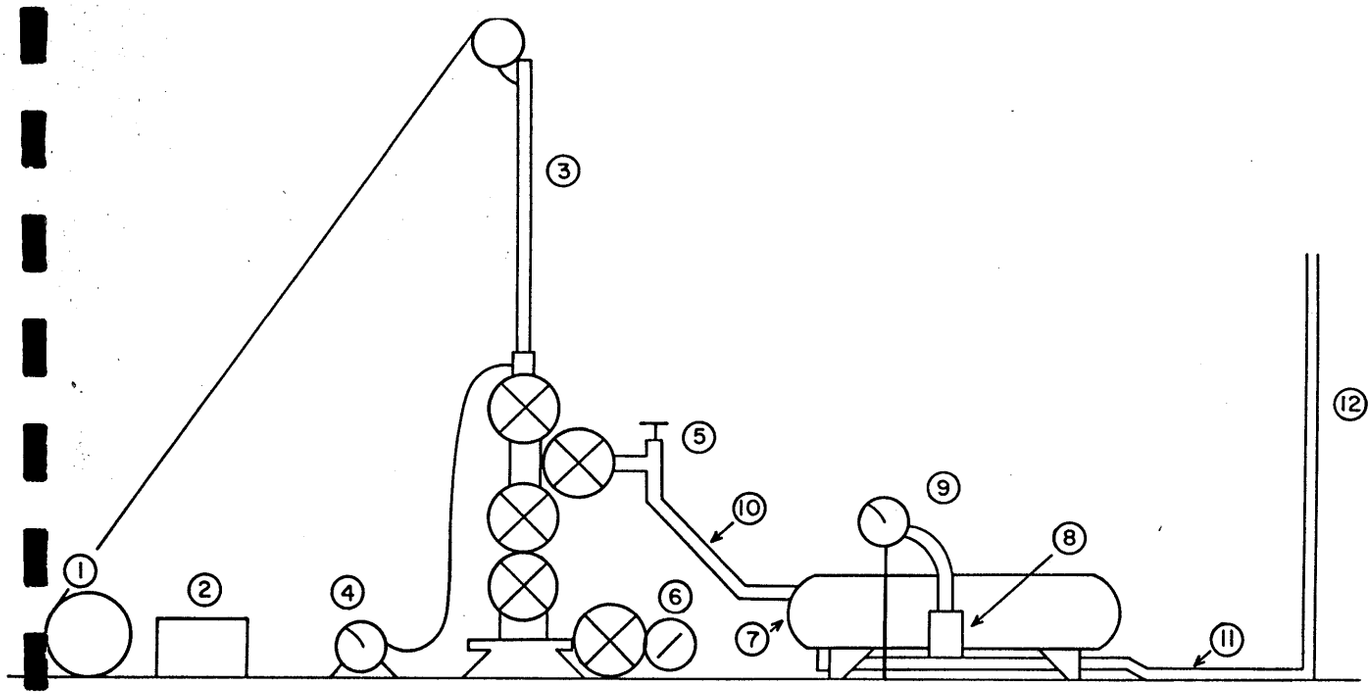
   It was tentatively concluded therefore the pressure build up was due to upward migration of air contained in the calcium chloride brine during mixing and if this was so, there should be little or no further pressure build up.

   In the interval between the conclusion of Production Test No.2 and the commencement of Production Test No.3, the following pressures were observed.

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. NB.

The attached graph shows that the OFP of the well is 95 MMCFD; thus an initial production rate of approximately 14 MMCFD is indiated. 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 Opsi
19th March	Pressure $<$75 psi bled to Opsi

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

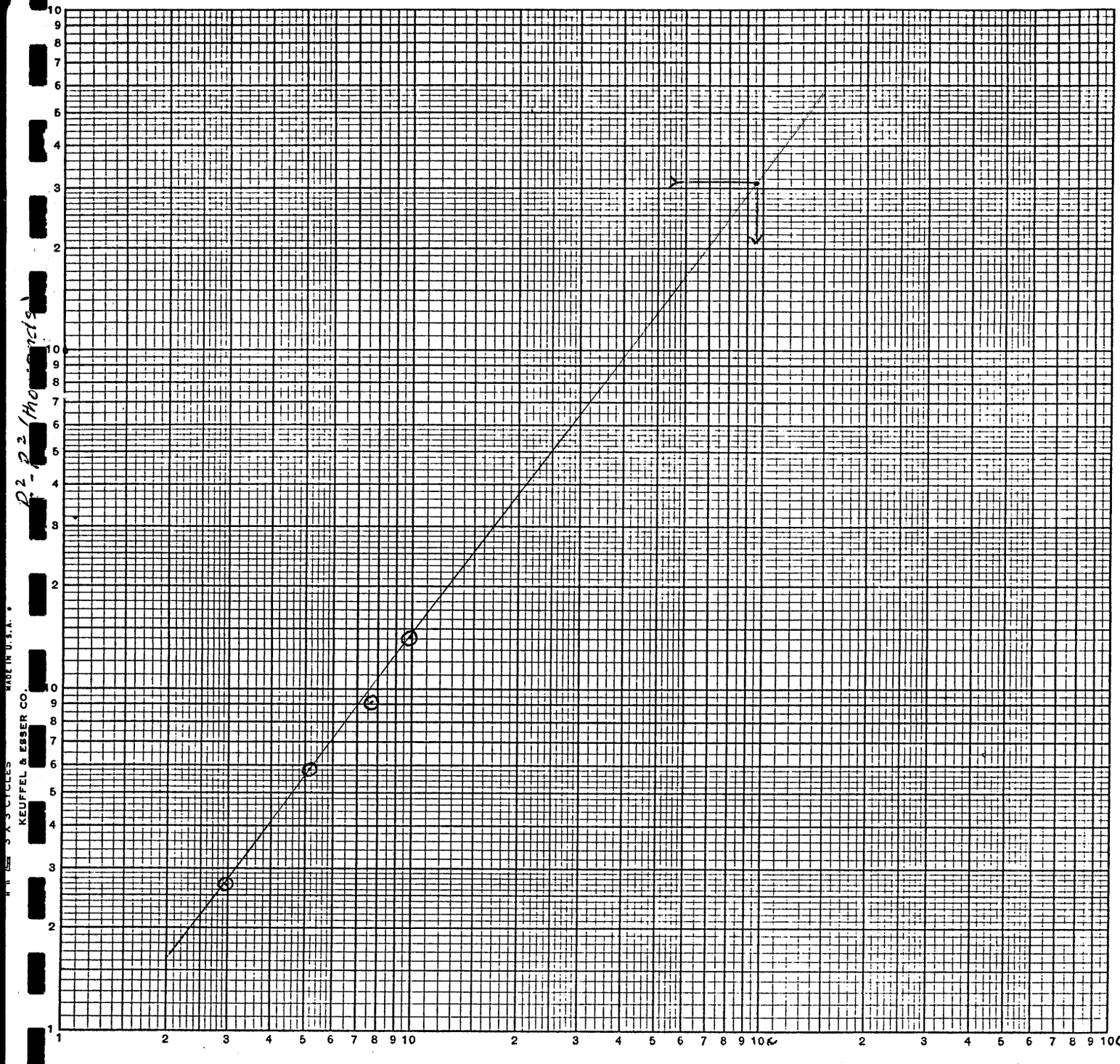
It is concluded that this annular pressure was caused by the slow vertical migration of air entrained whilst mixing the completion fluid and that its effect may have been exacerbated by the mandatory pressure testing of the packer seat. Remedial operations are unnecessary.

Plot Points are:- $P_s^2 - P_f^2$

27	vs	2.975
59	vs	5.158
91	vs	7.797
148	vs	9.855

Pc^2 is 3177

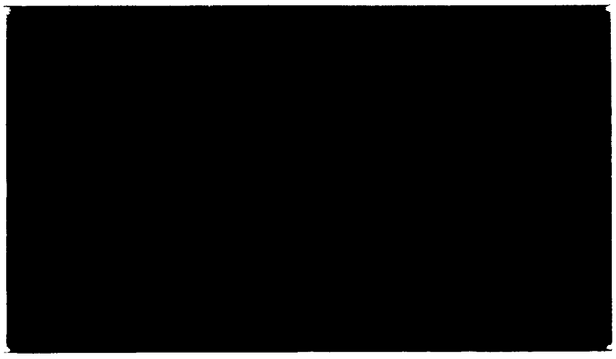
North Paarathe No 2.



AOFP = 95 MMcfd. n = 0.73.

GO INTERNATIONAL
WIRELINE SERVICES

GO INTERNATIONAL AUSTRALIA PTY. LTD.



GO INTERNATIONAL
WIRELINE SERVICES
GO INTERNATIONAL AUSTRALIA PTY. LTD.
(INCORPORATED IN W.A.)

BEACH PETROLEUM N.L.

NORTH PAARATTE NO. 2

MARCH 14, 1981

P.O. BOX 380 • SALE, VICTORIA, 3850, AUSTRALIA • TELEPHONE (051) 44 3607, 44 3044
TELEX· 55254

GO INTERNATIONAL WIRELINE SERVICES
GO INTERNATIONAL AUSTRALIA PTY. LTD.
(INCORPORATED IN W.A.)

Beach Petroleum N.L. March 2, 1981 North Paaratte No. 2

HOURS	REMARKS
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 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 - 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

P.O. BOX 380 • SALE, VICTORIA, 3850, AUSTRALIA • TELEPHONE (051) 44 3607, 44 3044
TELEX: 55254

GO INTERNATIONAL WIRELINE SERVICES
GO INTERNATIONAL AUSTRALIA PTY. LTD.
(INCORPORATED IN W.A.)

Beach Petroleum N.L. North Paaratte No. 2 March 11, 1981

Hours	Remarks
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

P.O. BOX 380 • SALE, VICTORIA, 3850, AUSTRALIA • TELEPHONE (051) 44 3607, 44 3044
TELEX: 55254

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	14/3 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
BU#1 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 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.
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#2 14:30:10	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	BO#2 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

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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

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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

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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

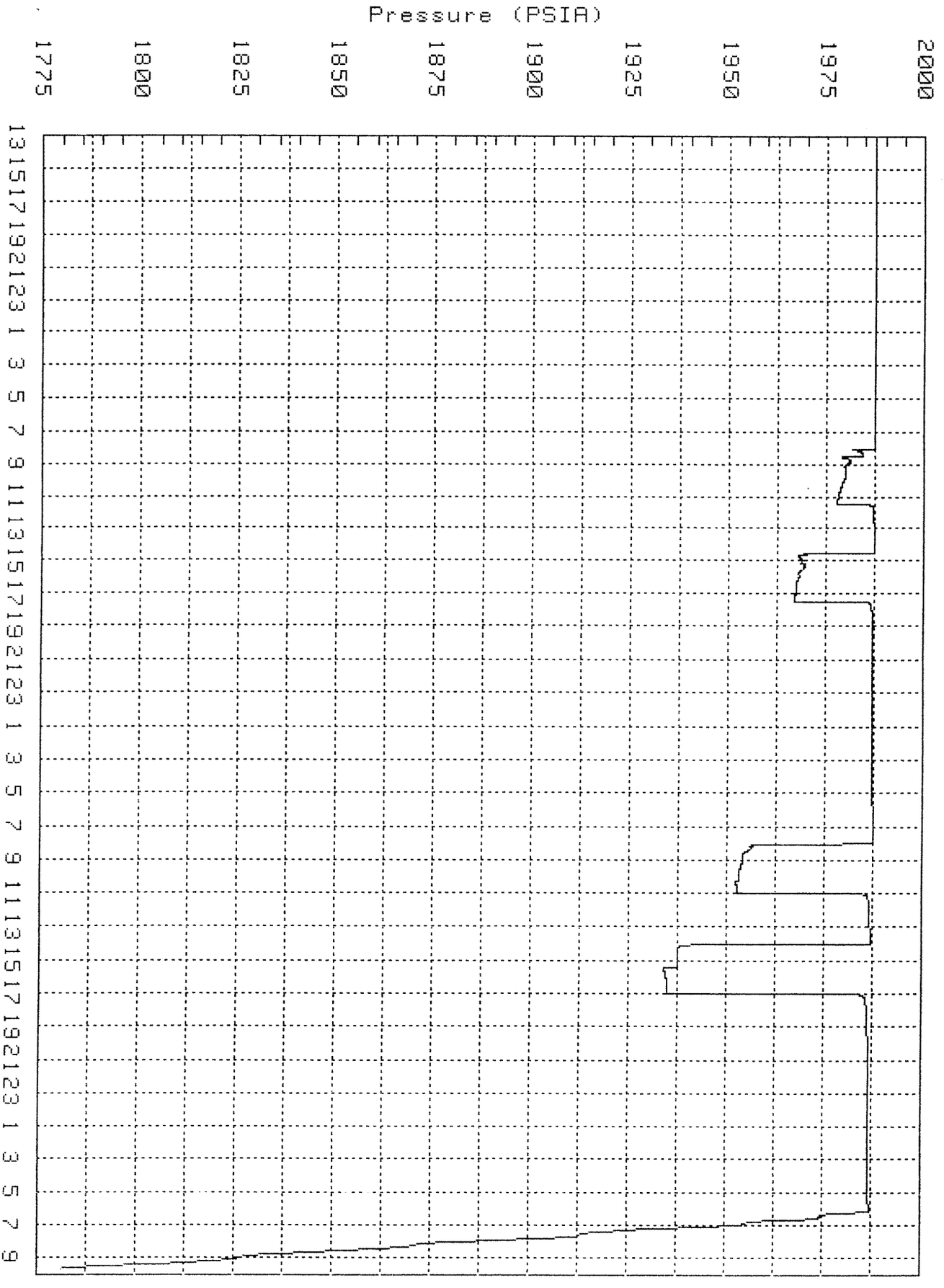
Tool Positioned at a depth of: 1468

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

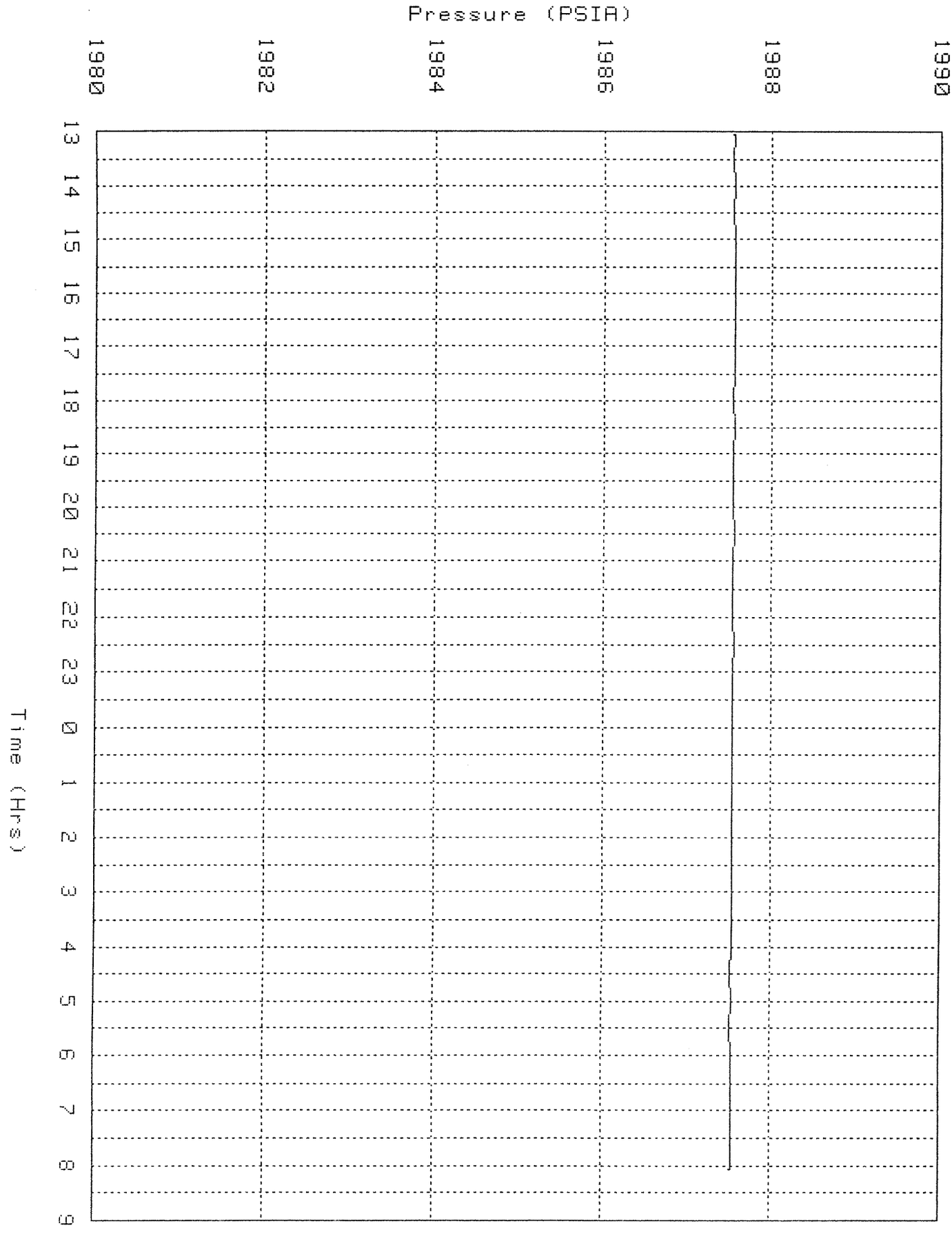
Plotted from: 13:03:30 to 09:40:00 (~ 69 hrs.)



GO INTERNATIONAL AUSTRALIA - LINEAR PRESSURE PLOT

BEACH PETROLEUM NORTH PAARATTIE #2

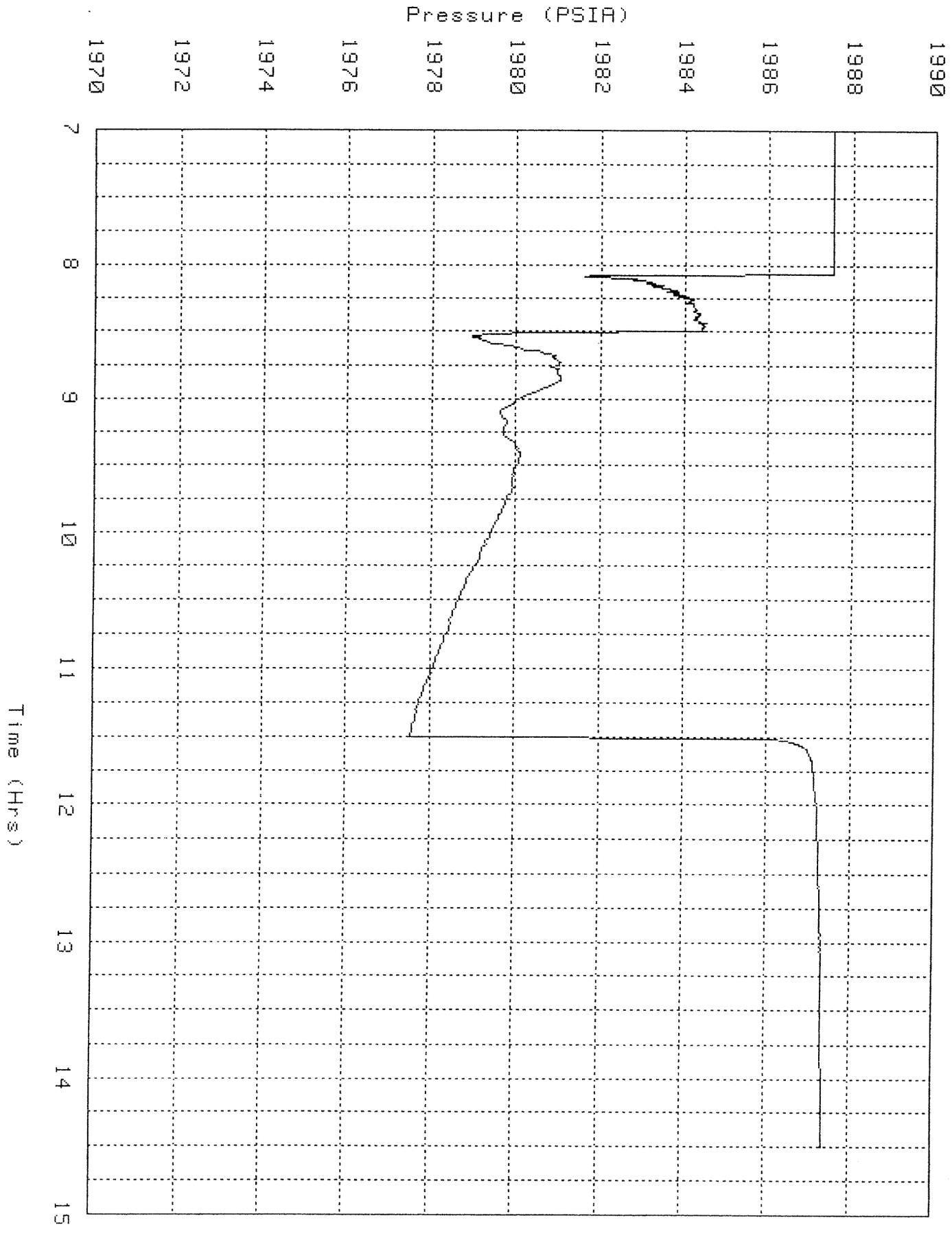
Plotted from: 13:03:30 to 08:04:10 (~ 19 hrs.)



GO INTERNATIONAL AUSTRALIA - LINEAR PRESSURE PLOT

BEACH PETROLEUM NORTH PAARATTIE #2

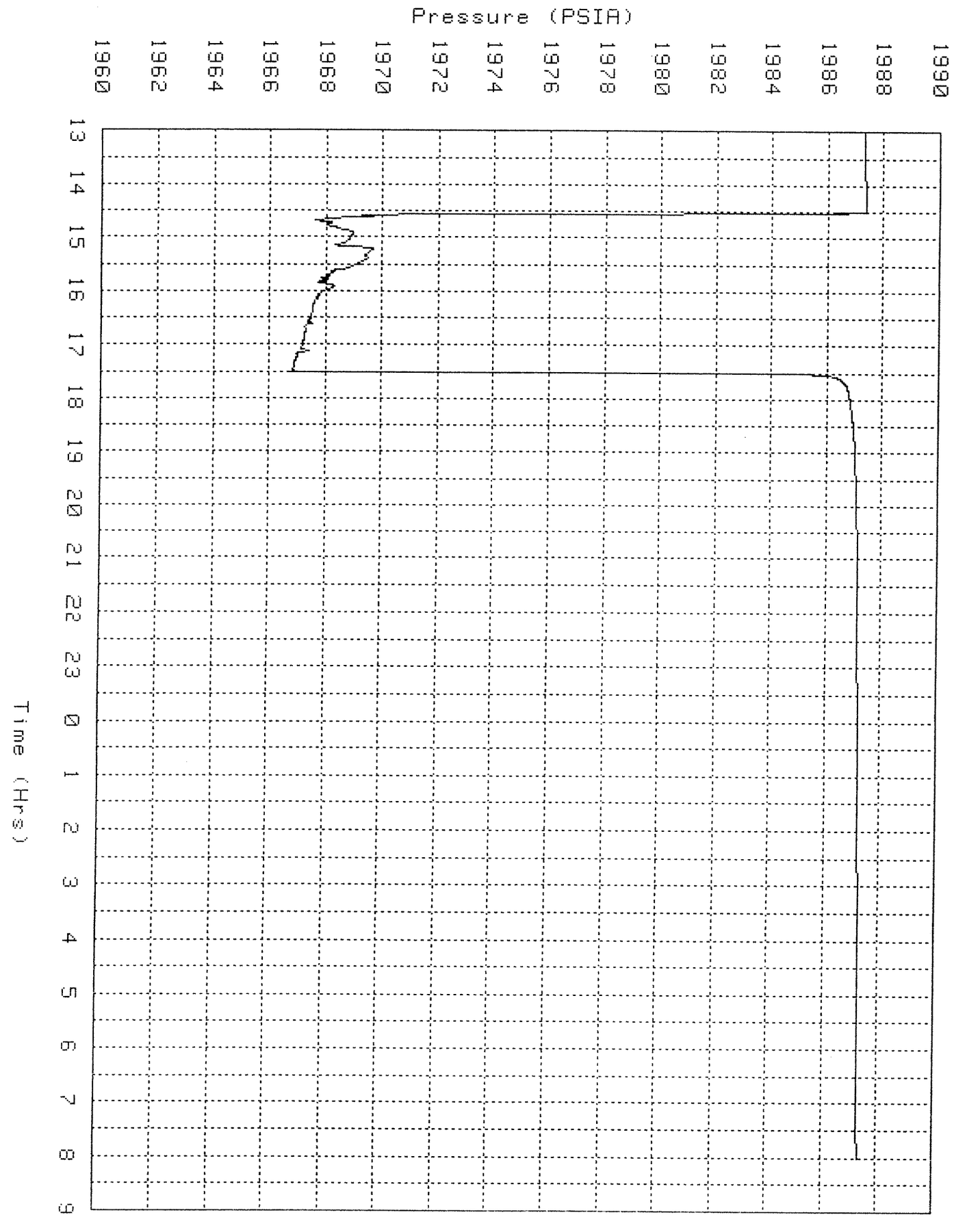
Plotted from: 07:00:00 to 14:30:00 (~ 8 hrs.)



GO INTERNATIONAL AUSTRALIA - LINEAR PRESSURE PLOT

BEACH PETROLEUM . NORTH PAARATTIE #2

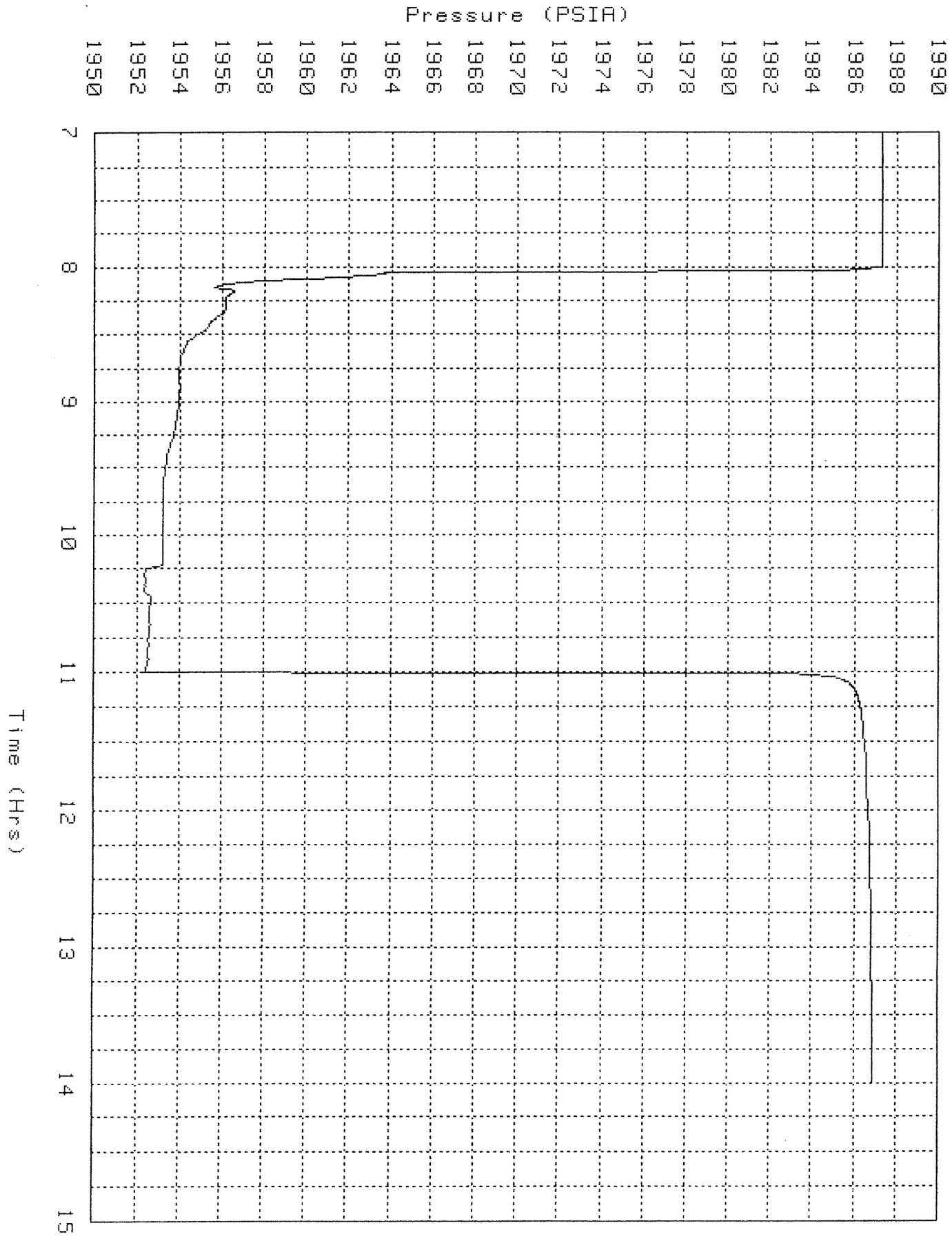
Plotted from: 13:00:00 to 08:00:10 (~ 19 hrs.)



GO INTERNATIONAL AUSTRALIA - LINEAR PRESSURE PLOT

BEACH PETROLEUM . NORTH PAARATTIE #2

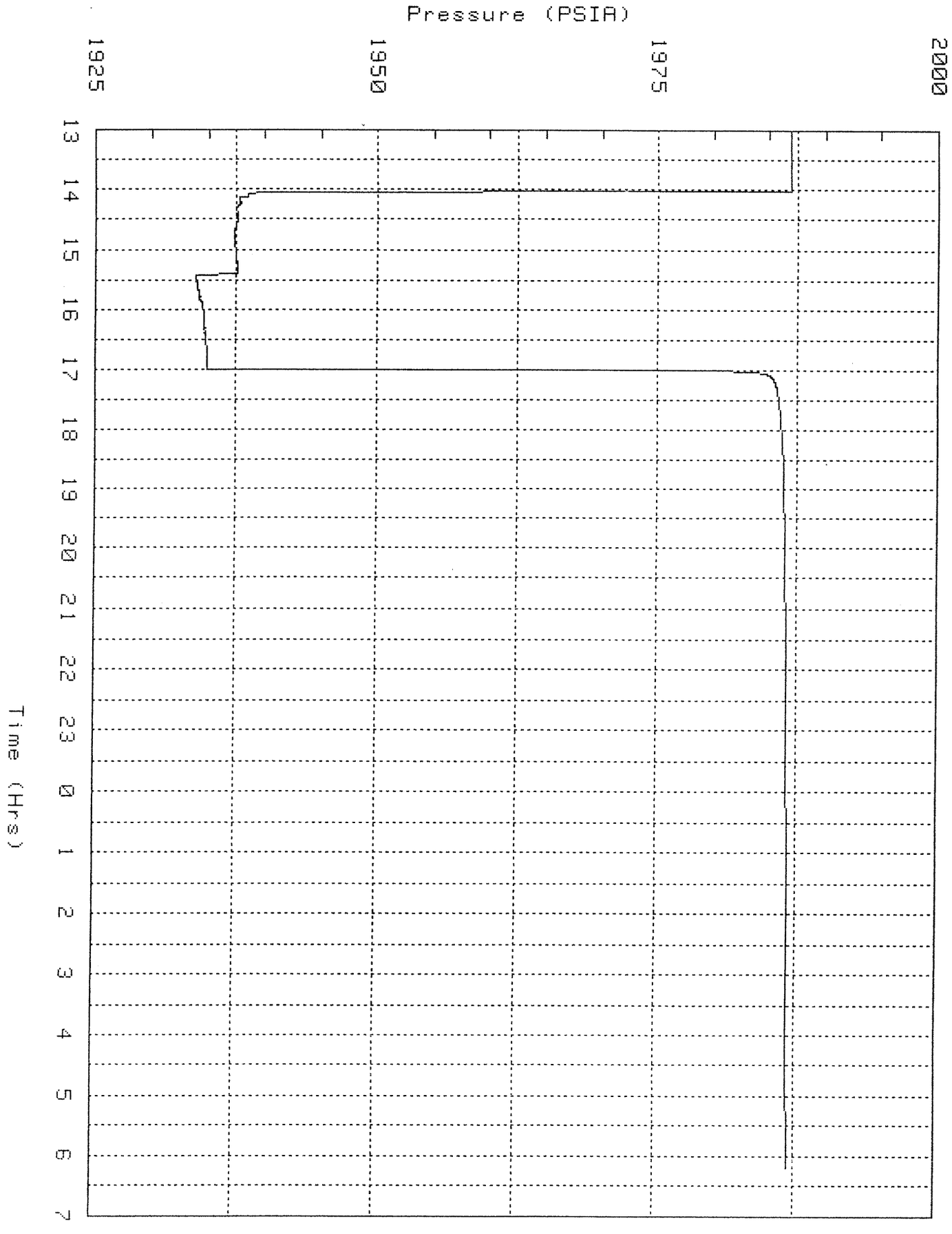
Plotted from: 07:00:00 to 14:00:20 (~ 7 hrs.)



GO INTERNATIONAL AUSTRALIA - LINEAR PRESSURE PLOT

BEACH PETROLEUM NORTH PAARATTIE #2

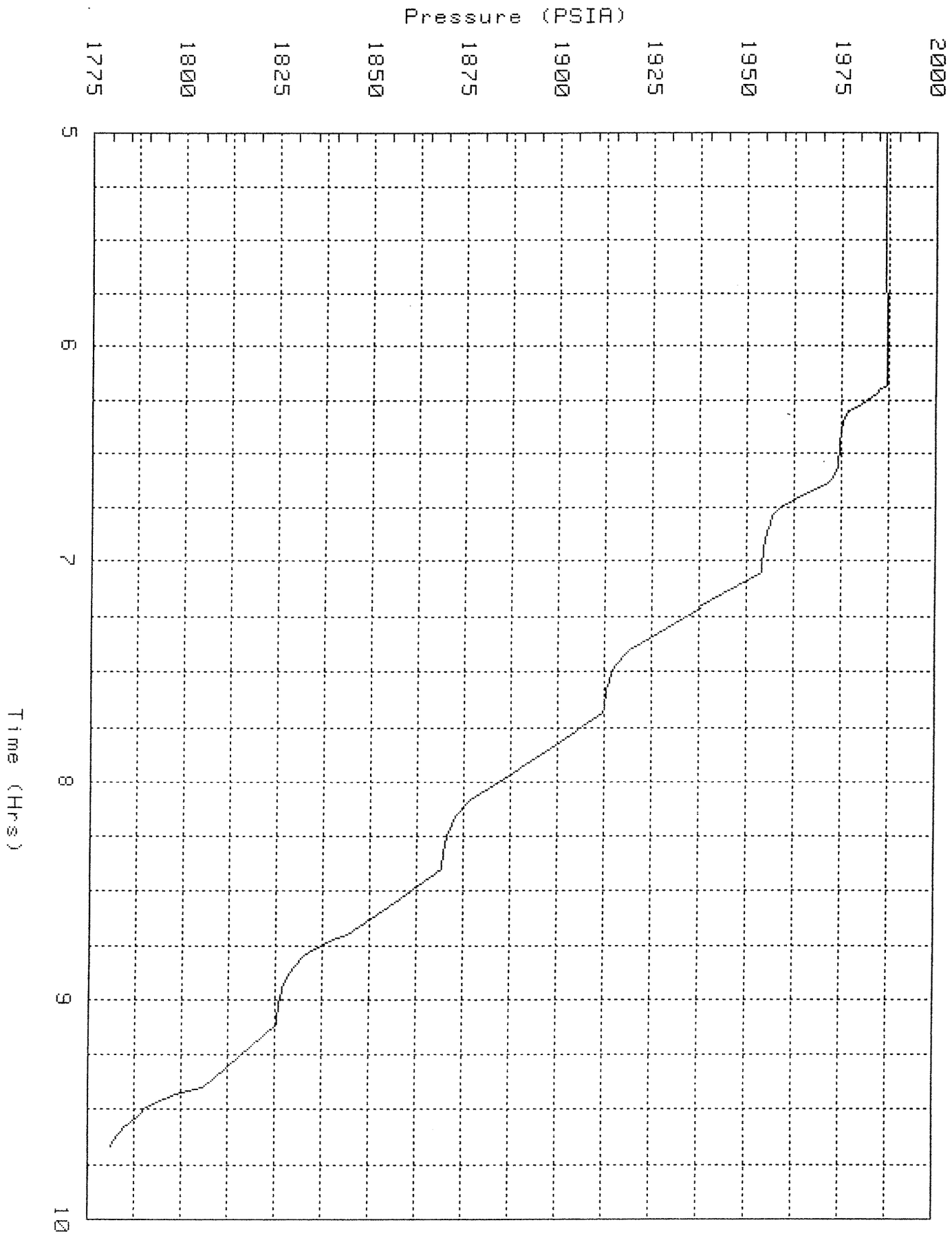
Plotted from: 13:00:00 to 06:11:00 (~ 17 hrs.)



GO INTERNATIONAL AUSTRALIA - LINEAR PRESSURE PLOT

BEACH PETROLEUM . NORTH PAARATTIE #2

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



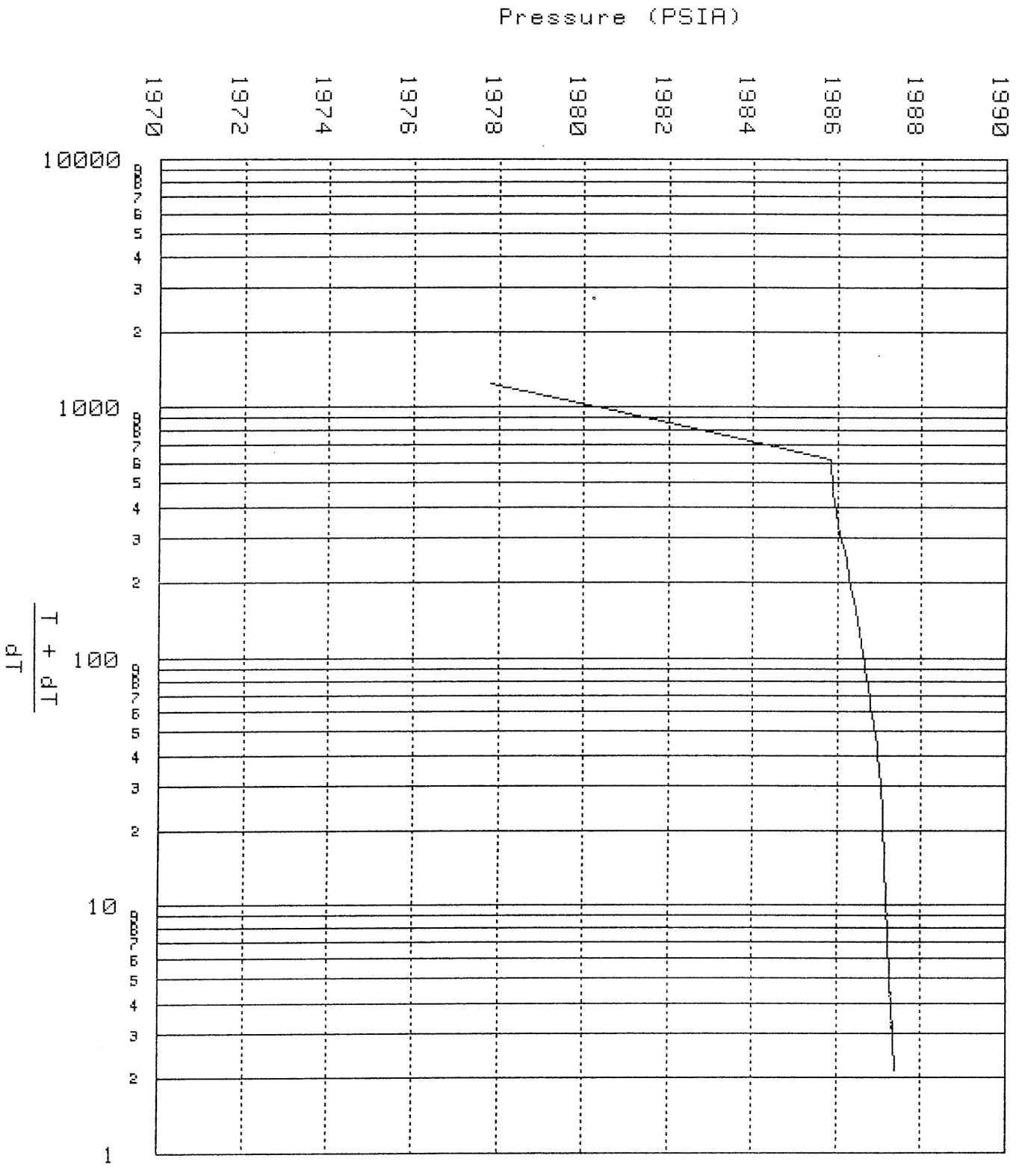
GO INTERNATIONAL AUSTRALIA - HORNER PLOT

BEACH PETROLEUM NORTH PAARATTIE #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

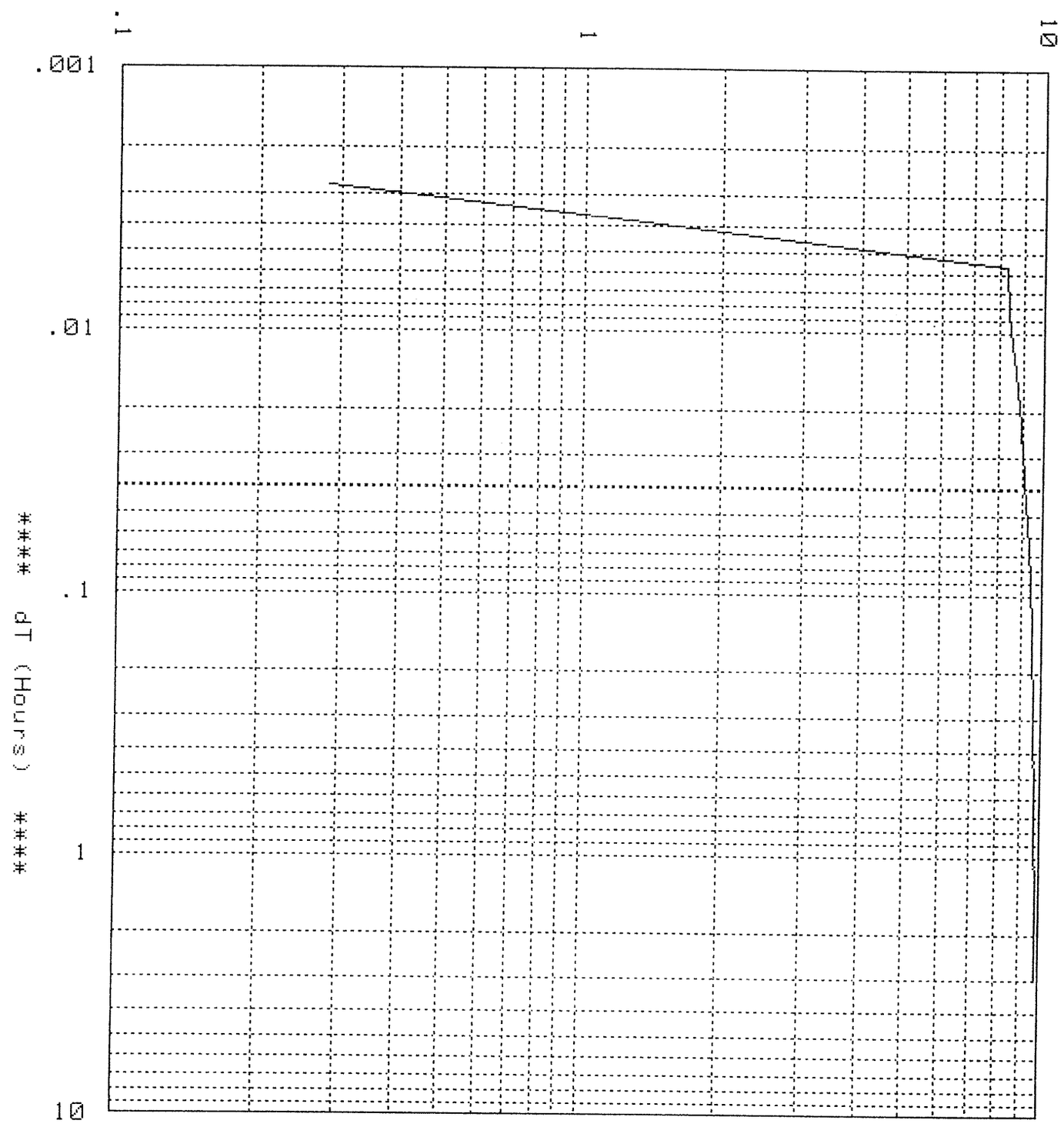
Time	Temperature	PSIA	Dt	Dp	T+Dt/Dt
13:01:00	141.4	1987.33	1.514	9.81	3.266
13:02:00	141.4	1987.31	1.531	9.79	3.241
13:03:00	141.4	1987.32	1.547	9.80	3.217
13:04:00	141.4	1987.31	1.564	9.79	3.194
13:05:00	141.4	1987.33	1.581	9.81	3.170
13:10:00	141.4	1987.32	1.664	9.80	3.062
13:20:00	141.5	1987.34	1.831	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



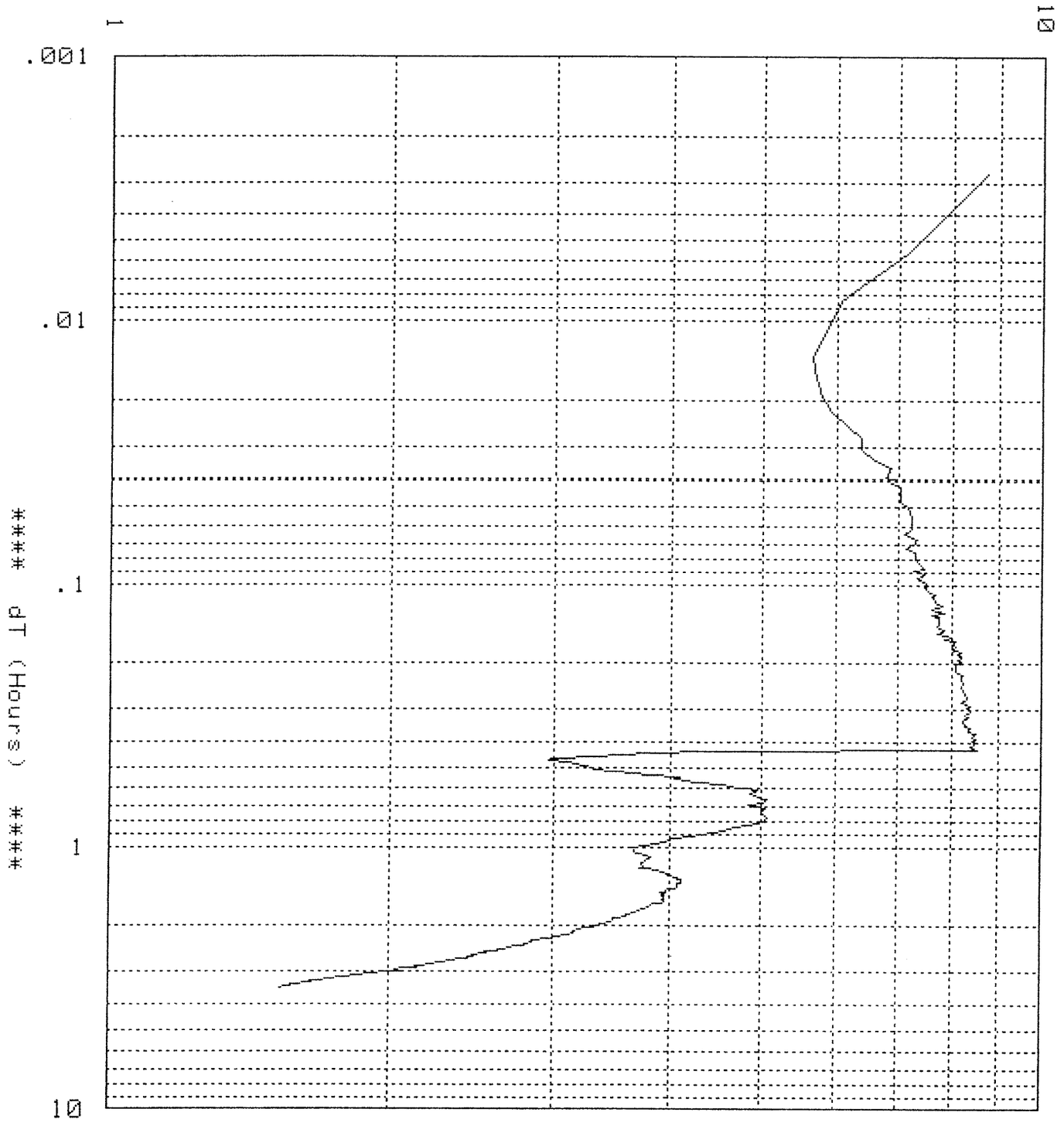
GO INTERNATIONAL AUSTRALIA

dP/dT PLOT Drawdown

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) *****



Well Name: NORTH PAARATTIE #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 PARATTIE #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

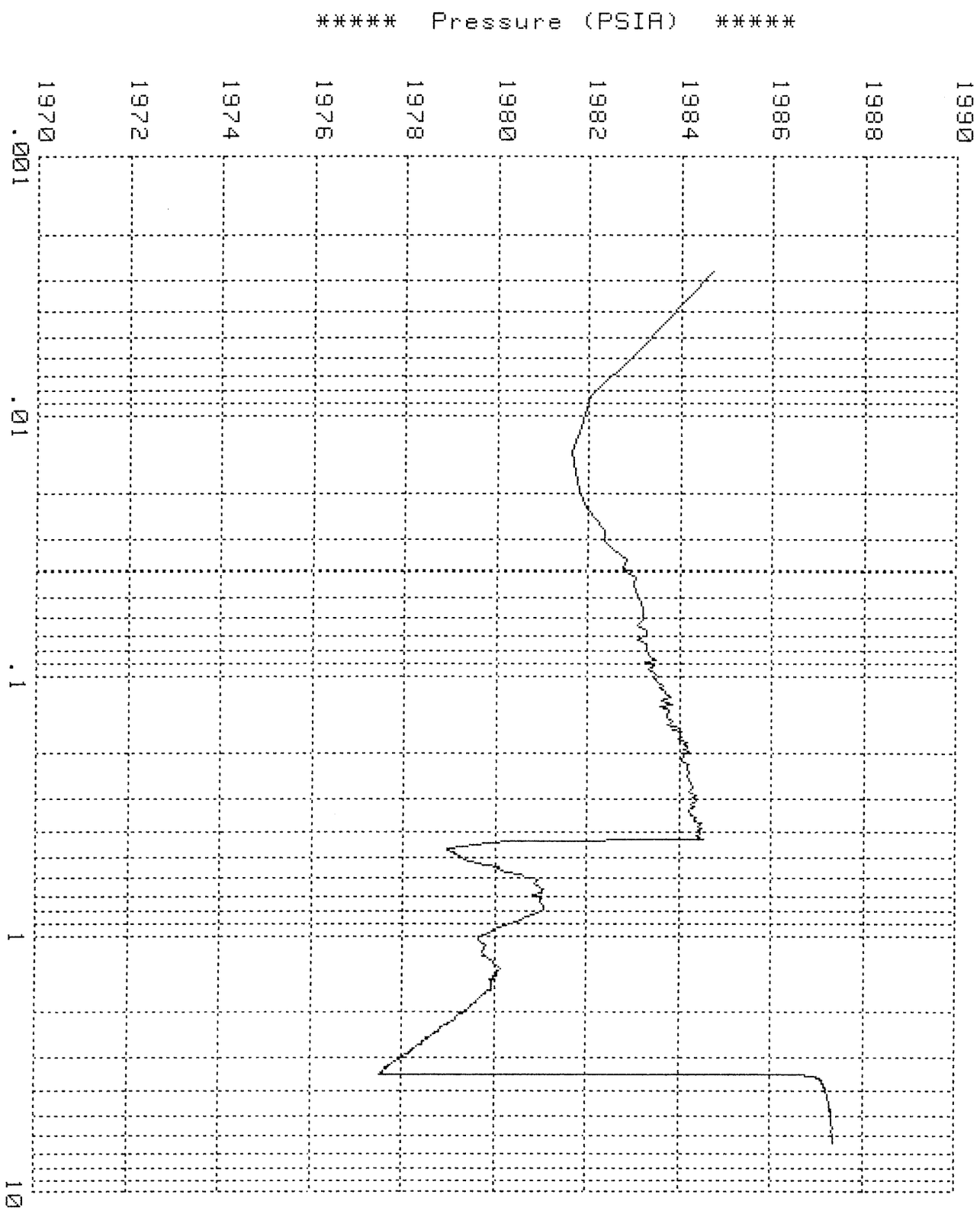
GO INTERNATIONAL AUSTRALIA

LINEAR PRESSURE VS. LOG TIME

BEACH PETROLEUM NORTH PAARATTIE #2 18/64 CHOKE

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

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



GO INTERNATIONAL AUSTRALIA - HORNER PLOT

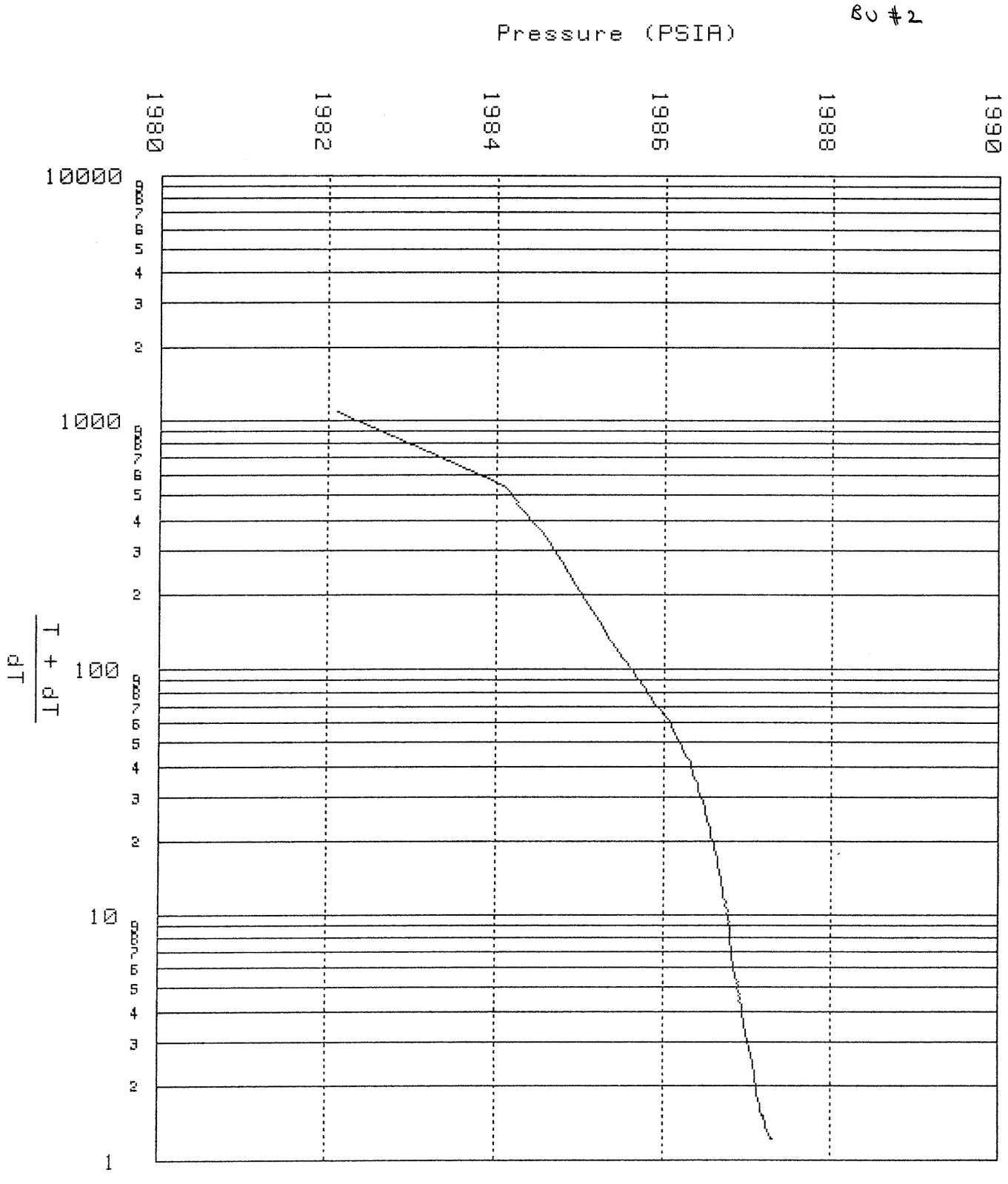
BEACH PETROLEUM NORTH PAARATTIE #2 22/64 CHOKE

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



GO INTERNATIONAL AUSTRALIA PRESSURE SURVEY

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

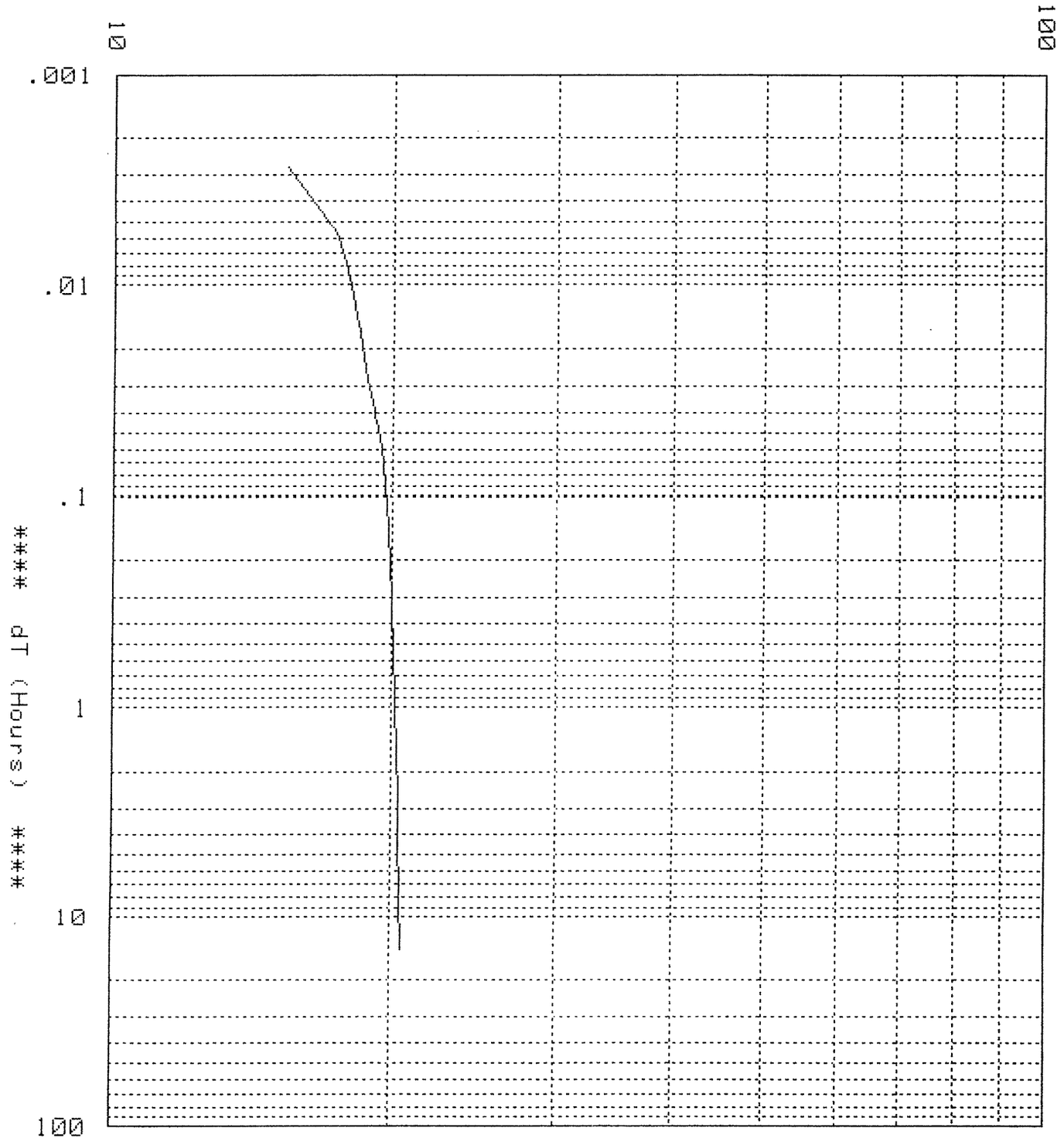
GO INTERNATIONAL AUSTRALIA

dP/dT PLOT Build-up

BEACH PETROLEUM NORTH 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

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

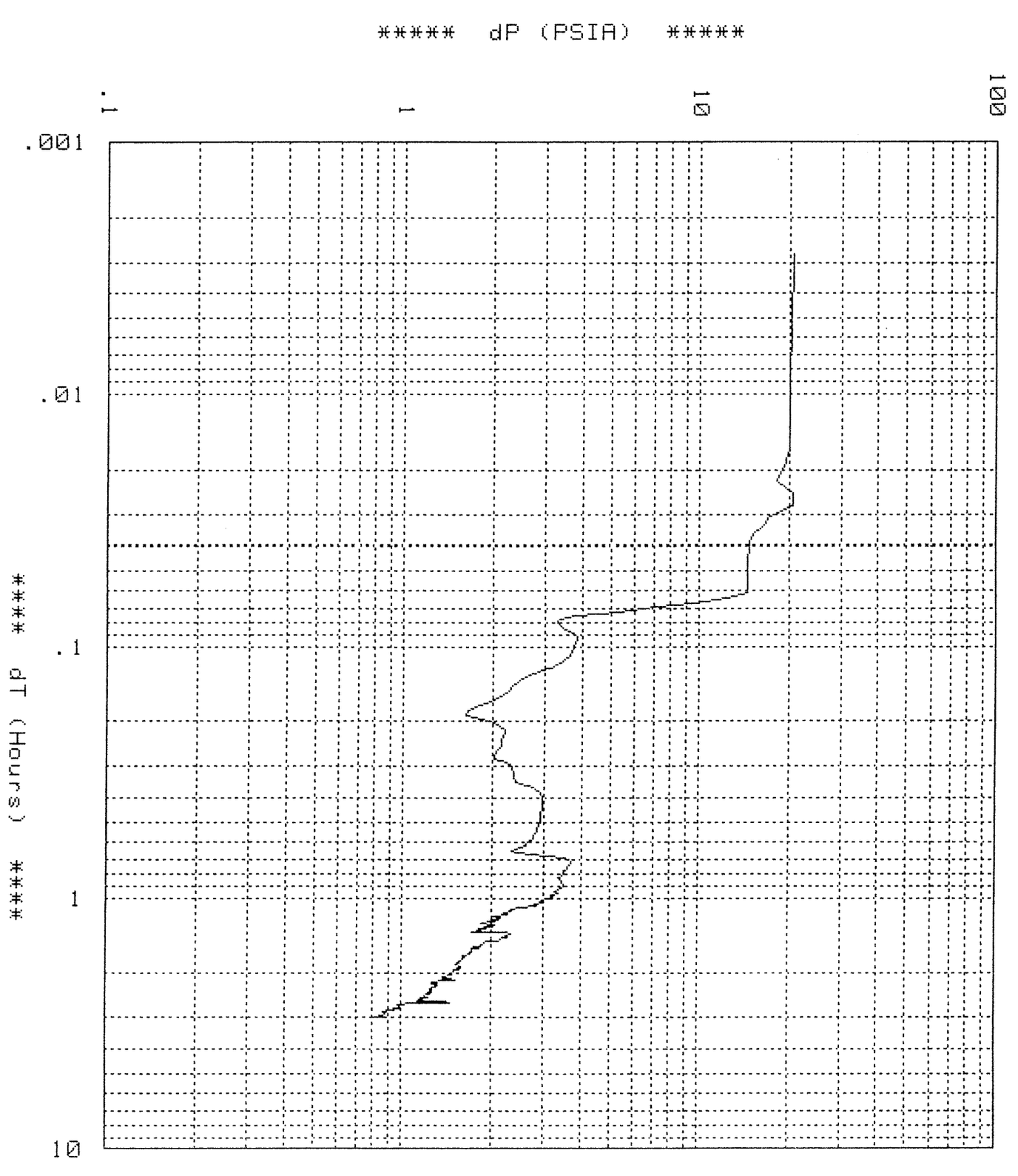


GO INTERNATIONAL AUSTRALIA

dP/dT PLOT Drawdown

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



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 PARATTIE #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

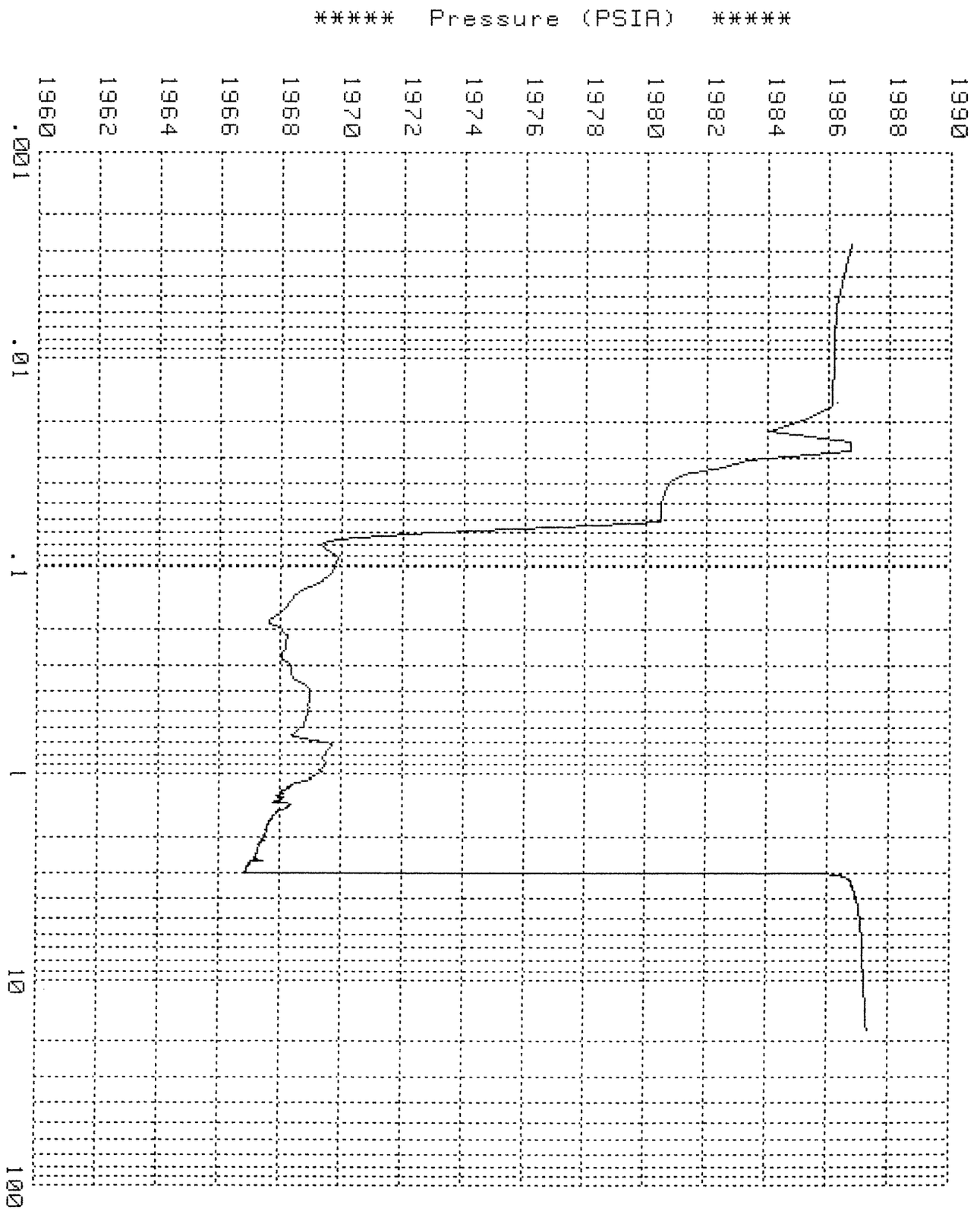
Time	Temperature	PSIA	Dt	Dp	T+Dt/Dt
16:37:00	141.2	1967.52	2.114	1.52	2.419
16:38:00	141.2	1967.34	2.131	1.34	2.408
16:39:00	141.2	1967.32	2.147	1.32	2.397
16:40:00	141.2	1967.27	2.164	1.27	2.386
16:41:00	141.2	1967.27	2.181	1.27	2.376
16:42:00	141.3	1967.31	2.197	1.31	2.365
16:43:00	141.2	1967.31	2.214	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 PAARATTIE #2 22/64 CHOKE

Start of plot: 14:30:10 Date: 14/03/81
Finish of plot : 08:00:10 Date: 15/03/81



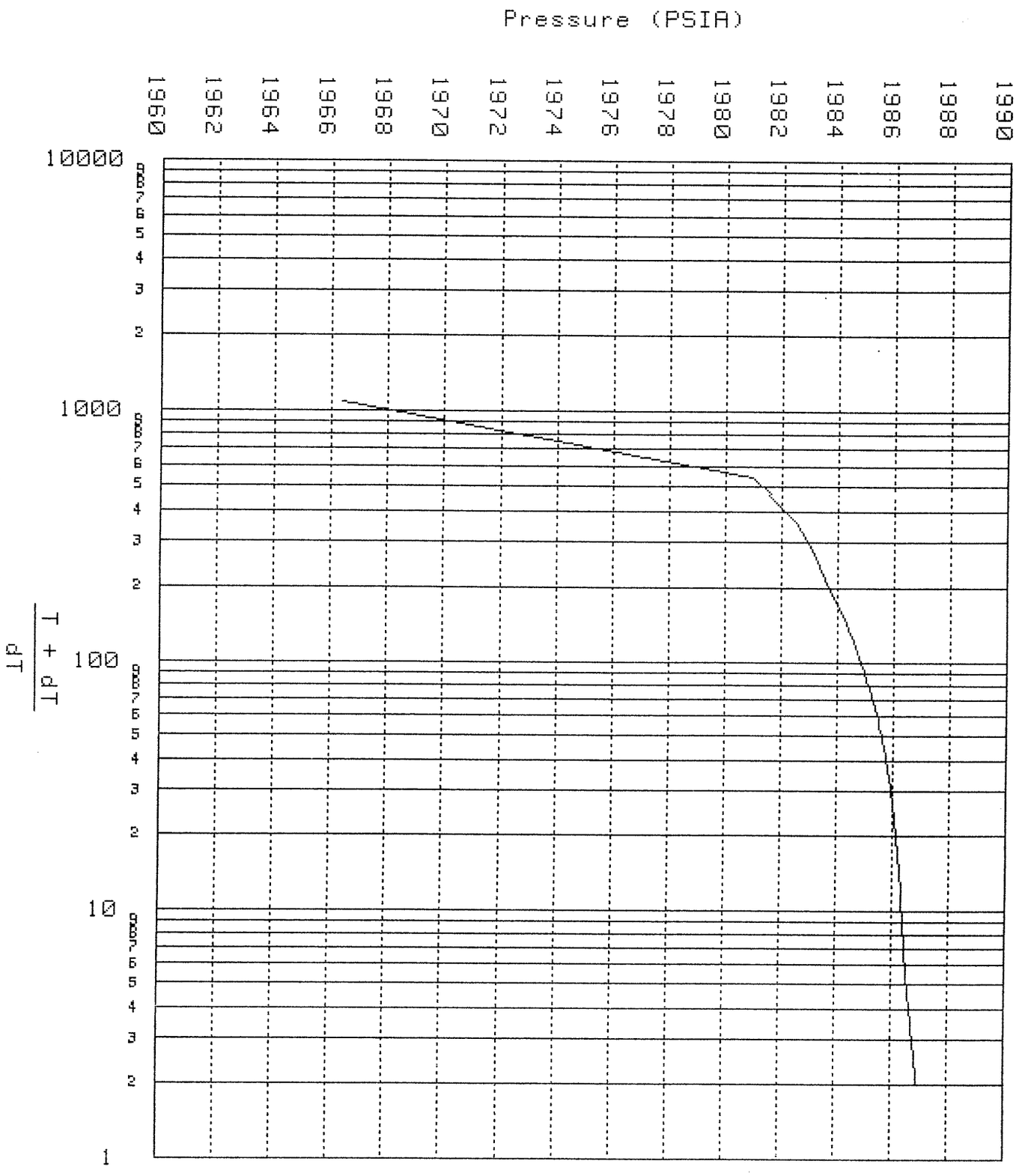
GO INTERNATIONAL AUSTRALIA - HORNER PLOT

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



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
11:00:20	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

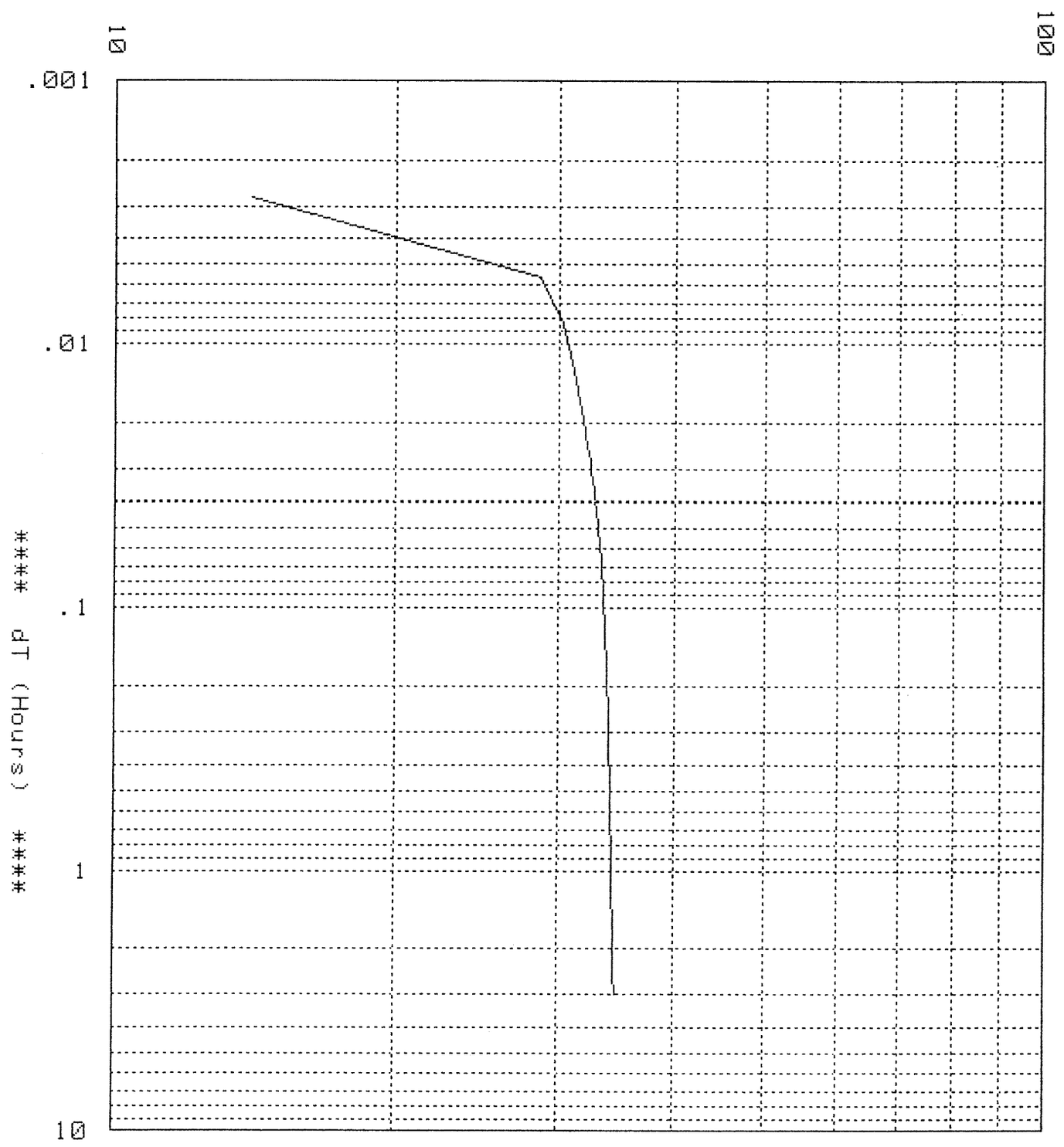
Time	Temperature	PSIA	Dt	Dp	T+Dt/Dt
11:11:30	141.3	1986.21	.189	33.82	16.882
11:12:00	141.3	1986.22	.197	33.83	16.211
11:12:30	141.2	1986.22	.206	33.83	15.595
11:13:00	141.2	1986.24	.214	33.85	15.026
11:13:30	141.3	1986.26	.222	33.87	14.500
11:14:00	141.2	1986.27	.231	33.88	14.012
11:14:30	141.3	1986.27	.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

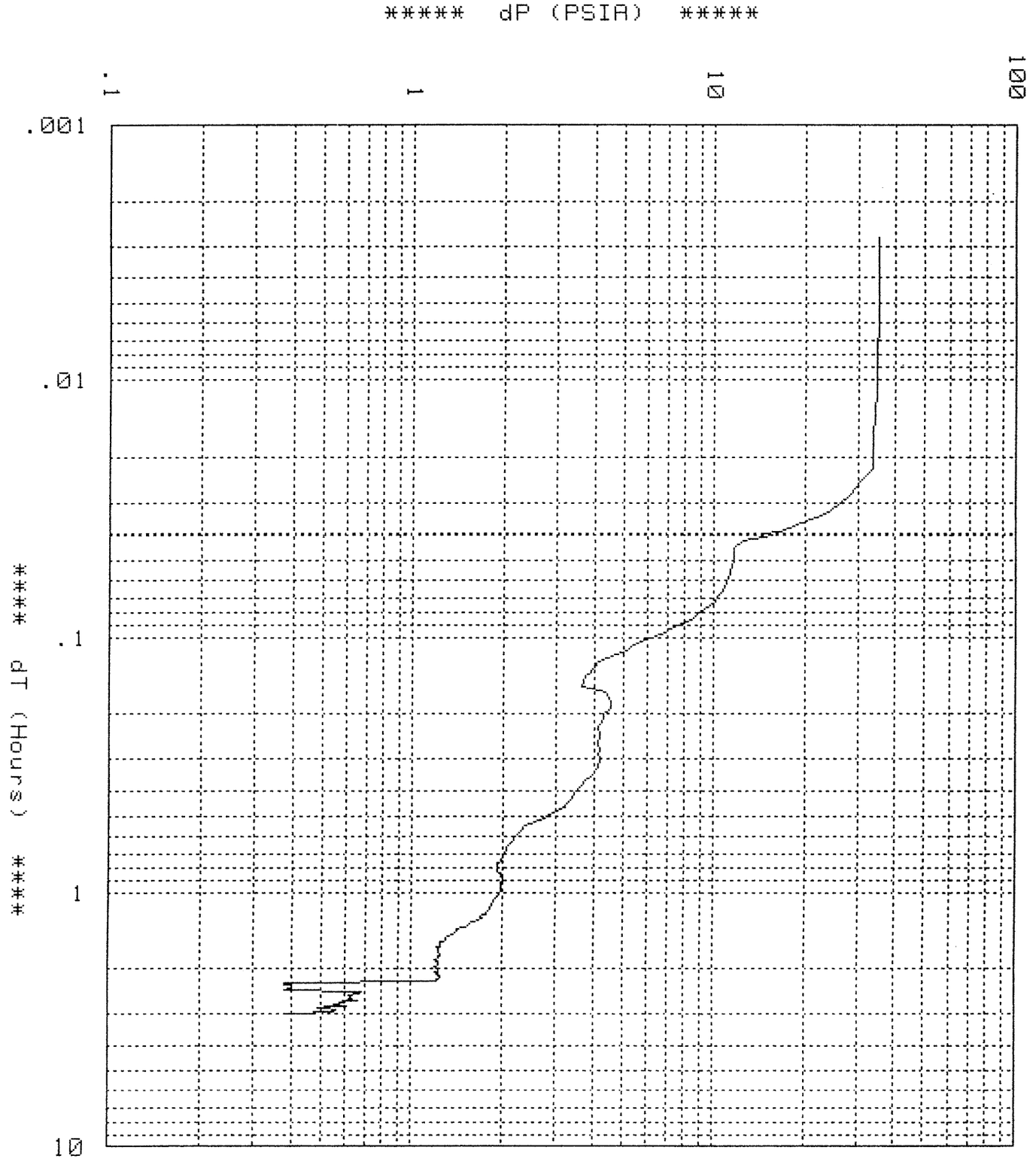


GO INTERNATIONAL AUSTRALIA

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



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
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 PARARATTIE #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 PARARATTIE #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

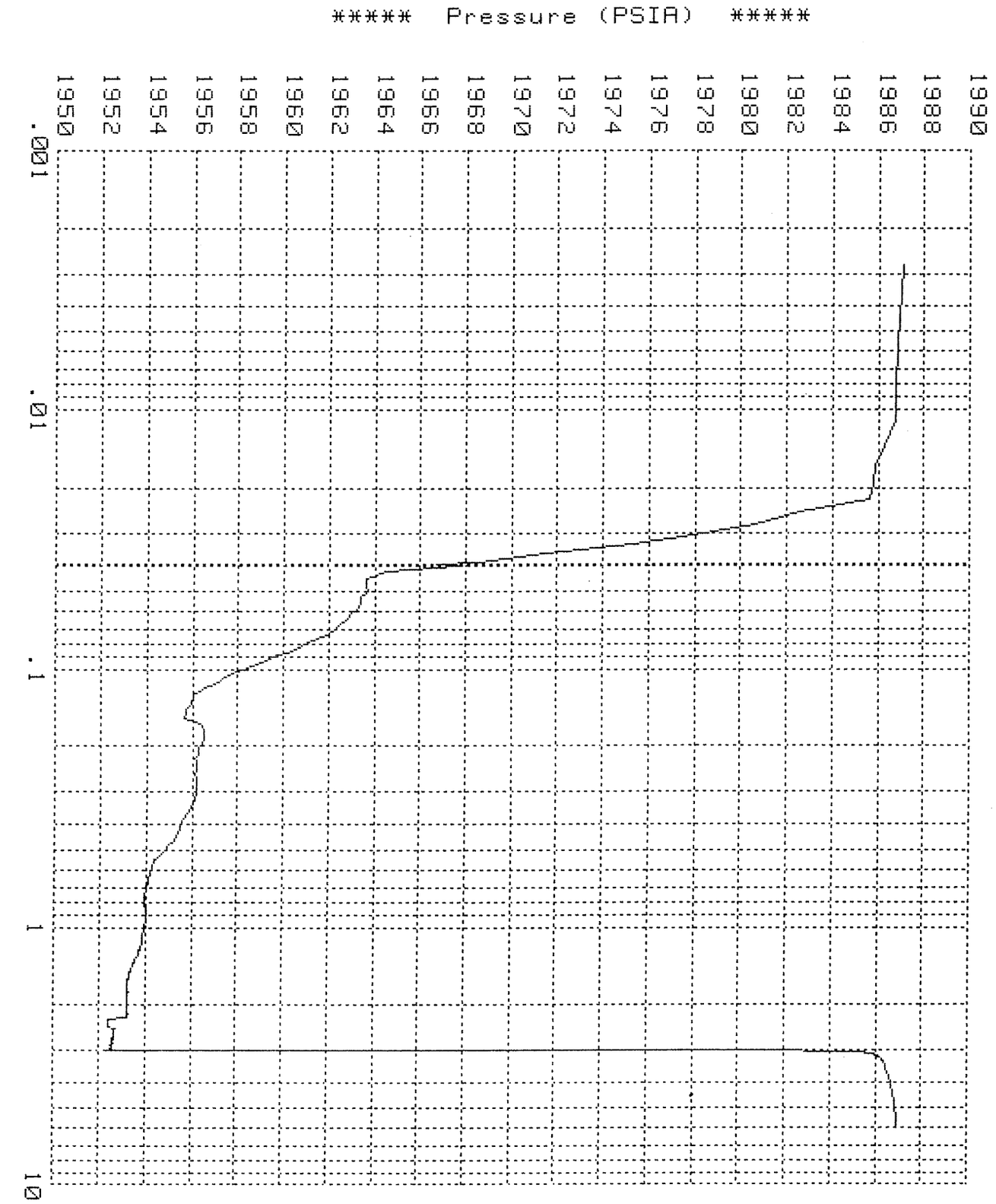
GO INTERNATIONAL AUSTRALIA

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



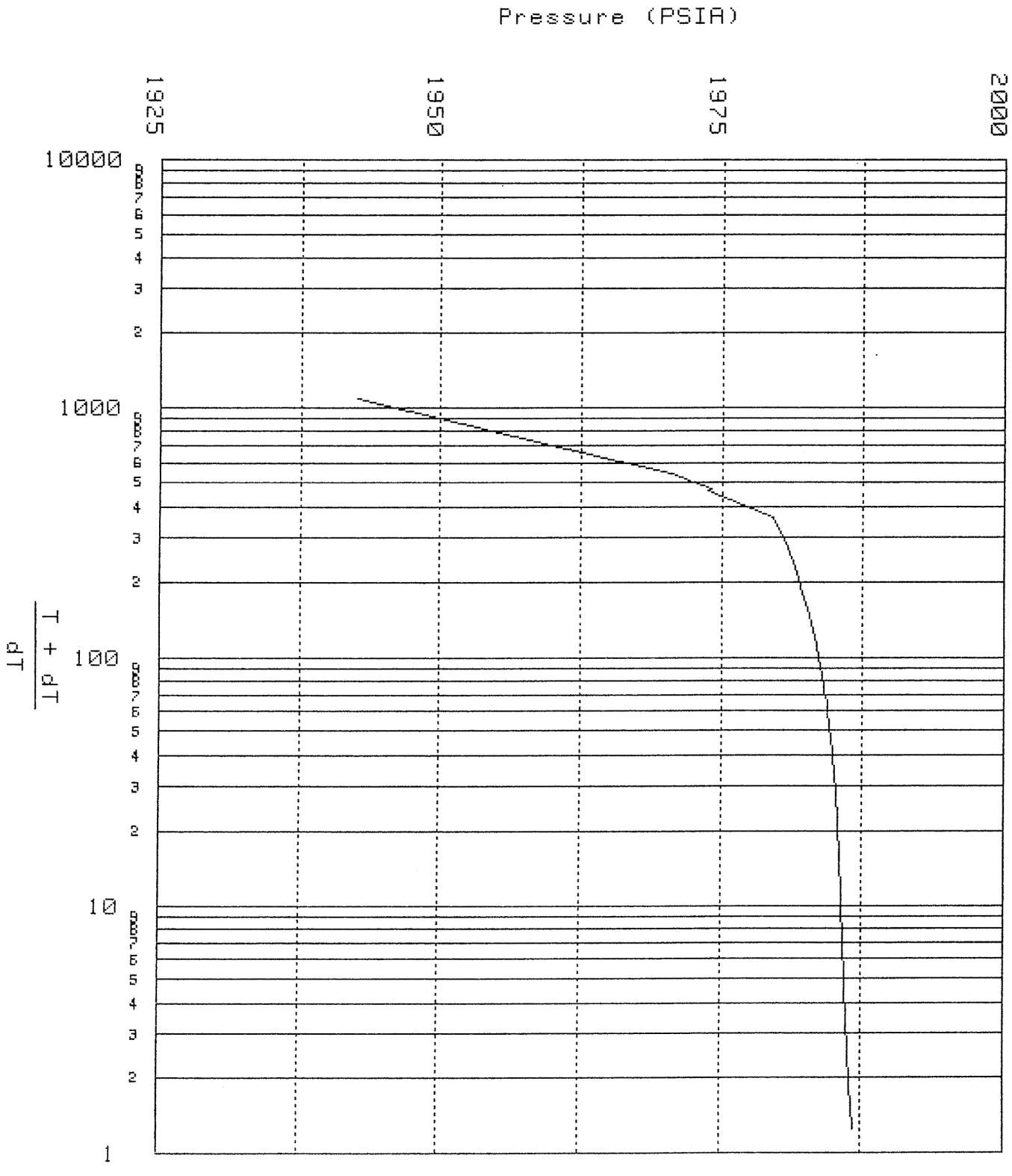
GO INTERNATIONAL AUSTRALIA - HORNER PLOT

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



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

Tool Positioned at a depth of: 1468

Time	Temperature	PSIA	Dt	Dp	T+Dt/Dt
17:12:00	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 PARATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

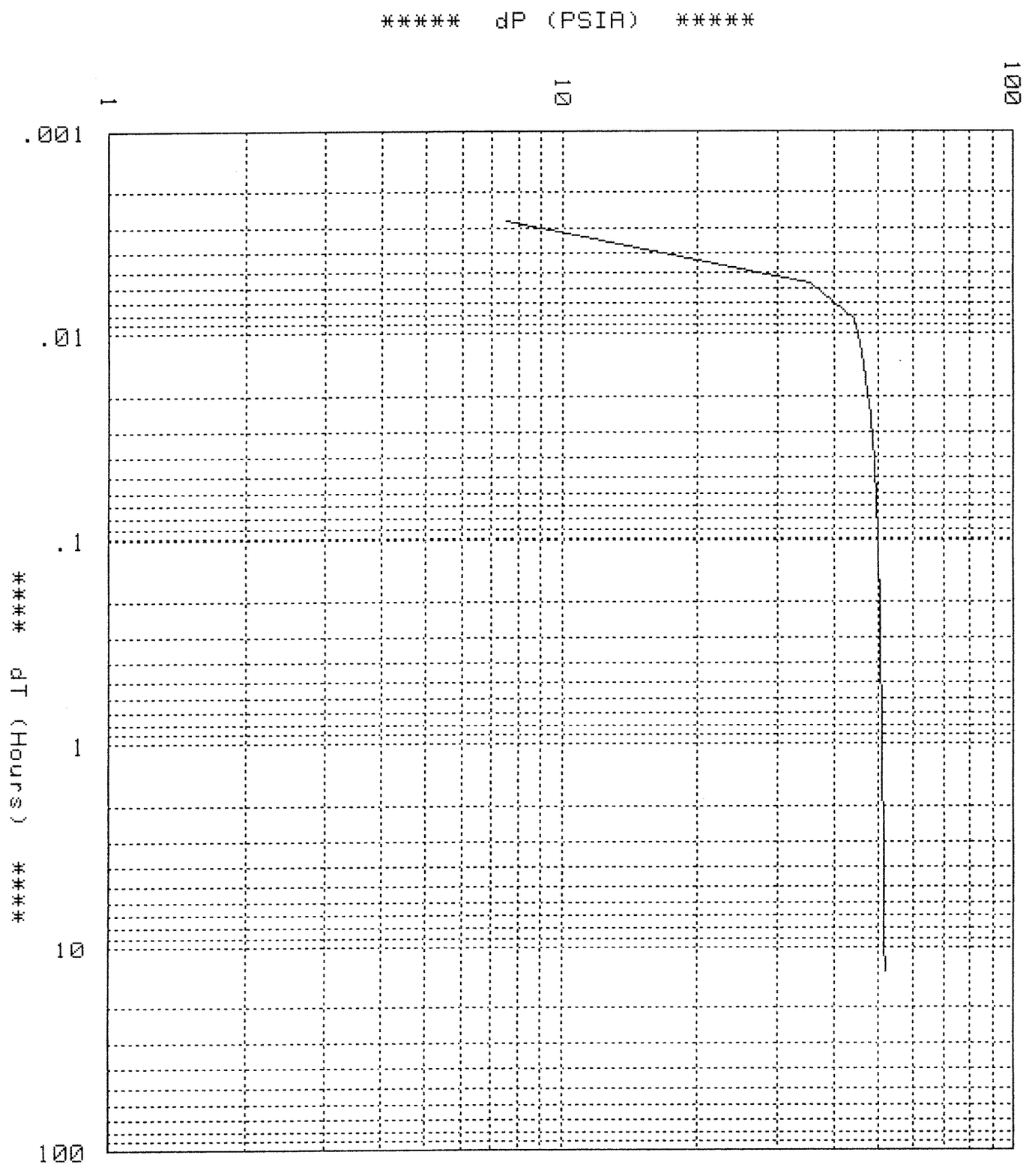
Time	Temperature	PSIA	Dt	Dp	T+Dt/Dt
18:40:00	141.1	1986.27	1.661	51.29	2.806
18:50:00	141.1	1986.30	1.828	51.32	2.641
19:00:00	141.1	1986.33	1.994	51.35	2.504
19:10:00	141.1	1986.33	2.161	51.35	2.388
19:20:00	141.1	1986.35	2.328	51.37	2.289
19:30:00	141.1	1986.38	2.494	51.40	2.203
19:40:00	141.2	1986.40	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 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

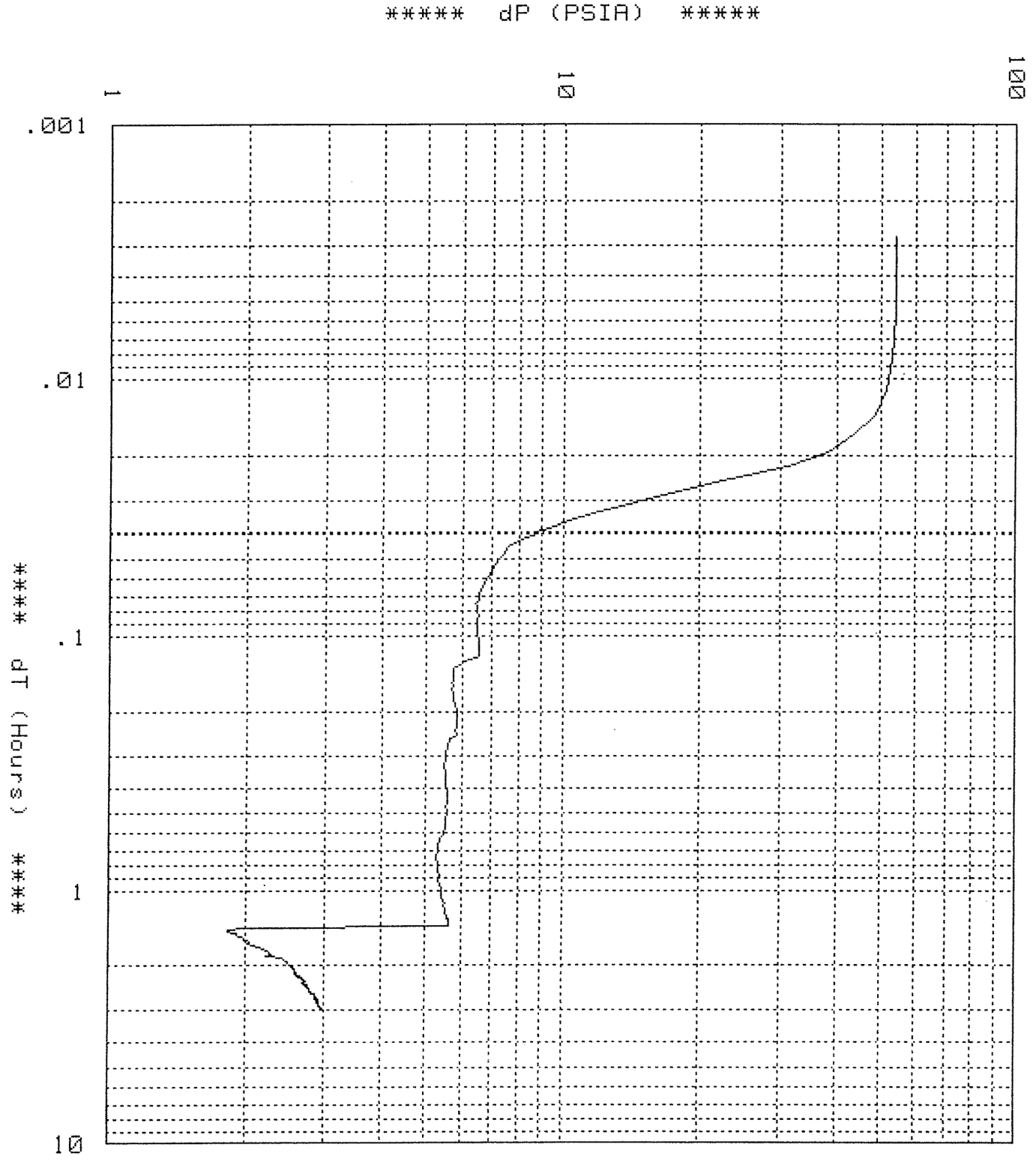


GO INTERNATIONAL AUSTRALIA

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



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
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 PARATTIE #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 PARARATTIE #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 PAARATTIE #2 Company: BEACH PETROLEUM Date: 15/03/81

Tool Positioned at a depth of: 1468

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

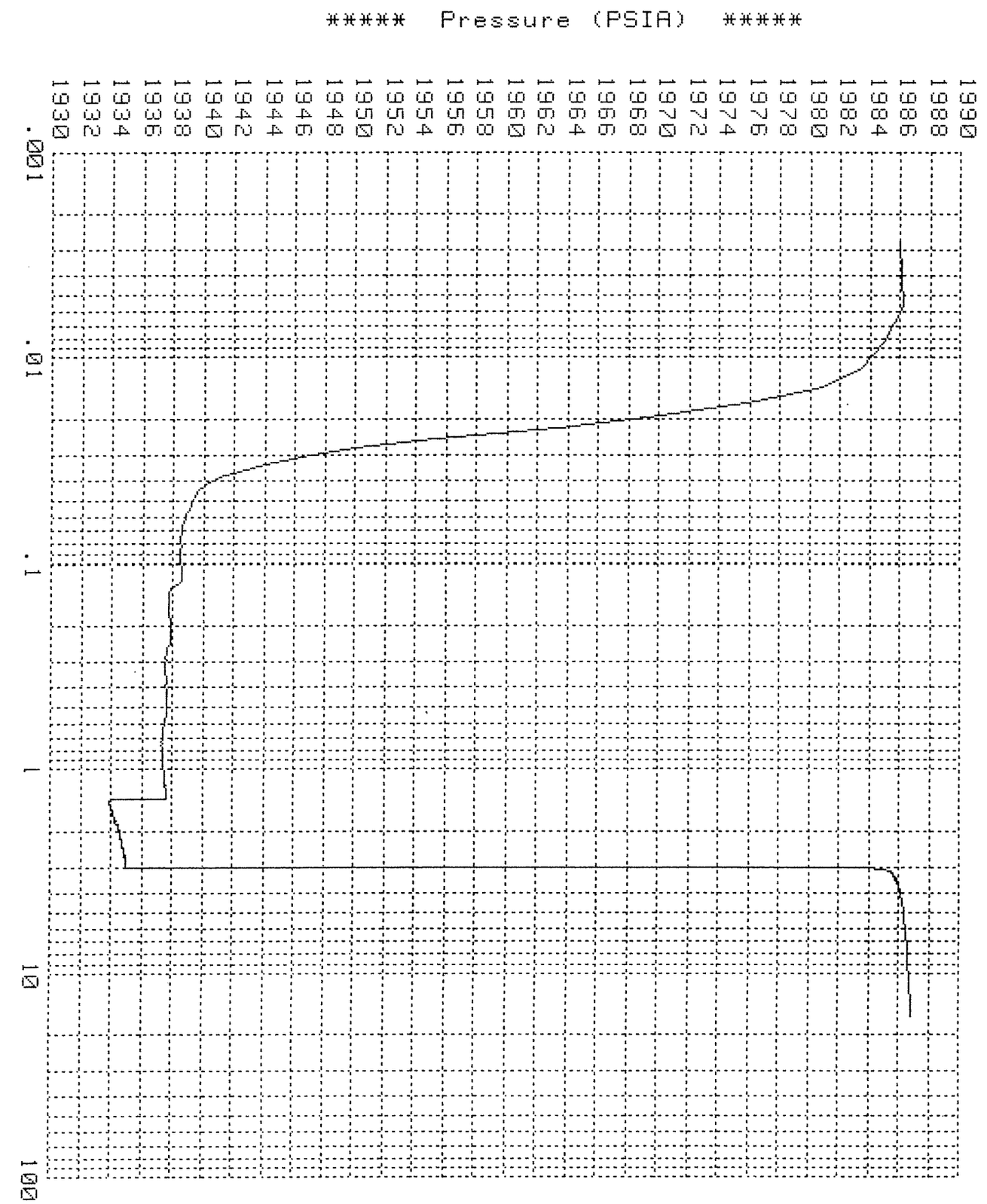
GO INTERNATIONAL AUSTRALIA

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



GO INTERNATIONAL AUSTRALIA PTY. LTD.

COMPANY..BEACH PETROLEUM

STATE...VICTORIA

FIELD....PAARATTIE

WELL....#2

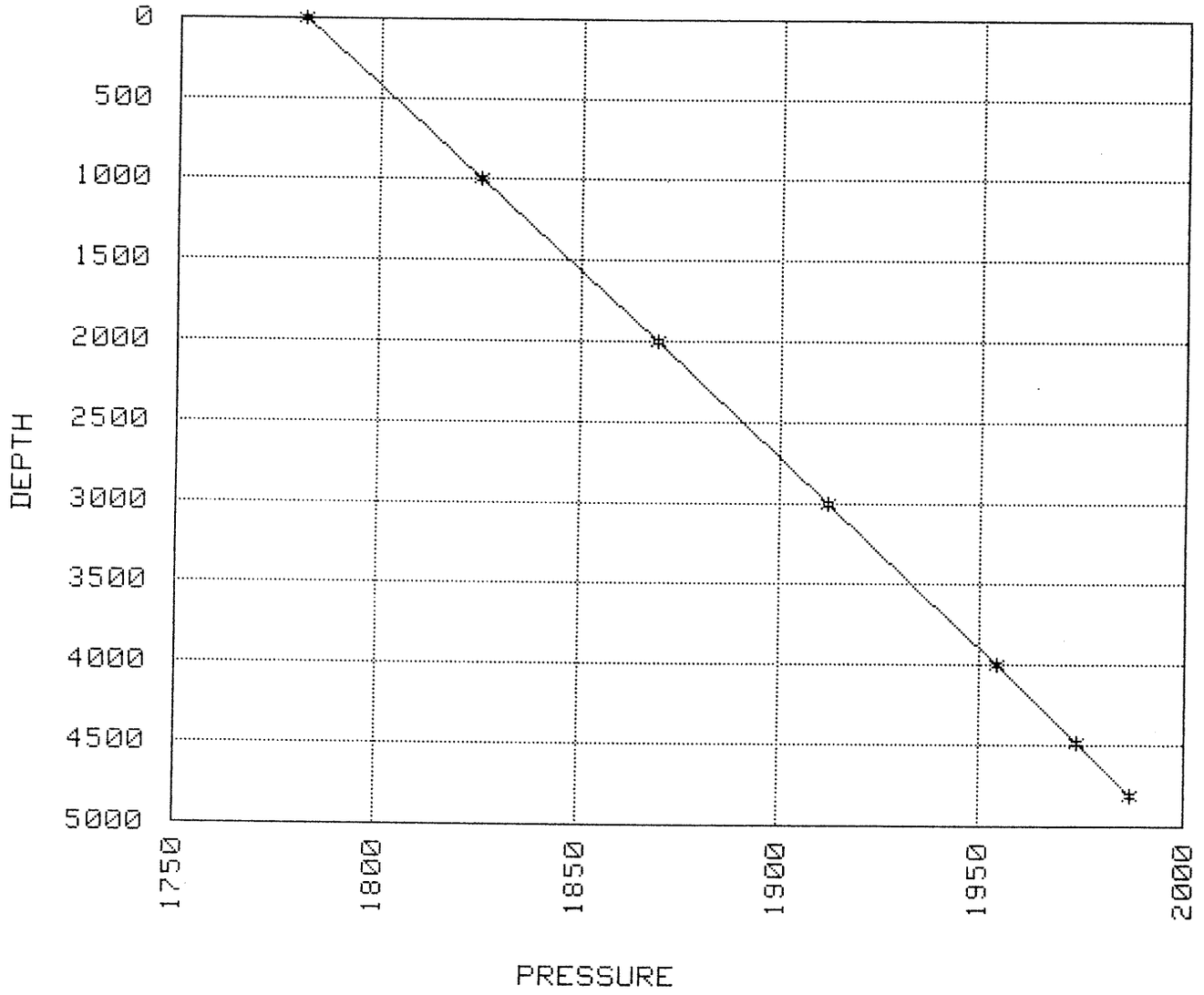
DATE.....16/03/81

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°	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

HOURS	TUBING PRESS	CASING PRESS	WELL HEAD TEMP	DIFF PRESS H20 X2	STATIC PRESS	SEPARATOR TEMP F°	GAS VOLUME MCF/DAY	ORIFICE PLATE
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

PRINTED IN U. S. A.

BIT RECORD

COUNTY	FIELD	STATE	SECTION	TOWNSHIP	RANGE	LOCATION	WELL NO.
		Vic		Port Campbell		Nth. Paaratte	2.

CONTRACTOR	RIG NO.	OPERATOR	TOOLPUSHER	SALESMAN
O.D.E.	8	Beach Petroleum	P. Low	

SPUD	UNDER SURF.	UNDER INTER.	SET SAND ST.	REACHED T.D.	PUMP NO. 1	LINER	PUMP NO. 2	LINER	PUMP POWER	TYPE MUD
21/1/81	24/1/81				1380	6½" 45¼	C150B	5 3/4	GM671. V66m	Gel

DRILL PIPE	TOOL JOINTS SIZE	TYPE	O.D.	DRILL COLLARS NUMBER	O.D.	I.D.	LENGTH	DRAWWORKS POWER
4½" Aluminium	6¼	Reed Alstan	6¼	5-8" 16	6¼	2 3/16		2-GM671

NO.	SIZE	MAKE	TYPE	JET 32ND IN	SERIAL	DEPTH OUT	FEET	HOURS	FT/HR	ACCUM DRLG HRS.	WT. 1000 LBS.	R P M	VERT DEV.	PUMP PRESS	PUMP OPERATION	S P M 1	S P M 2	MUD WT.	MUD VIS.	MUD W.L.	DULL. COND. T	DULL. COND. B	DULL. COND. G	DULL. COND. OTHER	FORMATION REMARKS
1	12¼	HTC	OSC 3 J	3x18	103392	1195	1195	53	22.5	53	5/10	100	3/4°	450	S	60		9.2	42		3	6	I	TRIP	Ran 9 5/8"
2	8½	HTC	OSC3AJ	3x10	FA845	2556	1361	23½	57.9	76½	20	90	3/4°	1200	S	60		9	30		6	7	1/8	TRIP	F.N.B
3	8½	HTC	OSC3AJ	3x10	FA849	3629	1073	22½	47.6	99	20	90	1¼	1150	S	60		9.2	40		7	8	1/8	TRIP	FNB
4	8½	HTC	OSC3AJ	3x10	PR361	4021	392	15½	25.3	114½	17/20	100	1¼	1150	S	60		9.2	42		6	6	1/8	TRIP	FNB
5	8½	HTC	OSC1GJ	3x10	SN898	4365	344	12½	27.5	127	21/25	90	2¾	1150	S	60		9.2	40	8.2	5	4	1/8	TRIP	FNB
6	8½	HTC	OSC1GJ	3x10	NF407	4786	421	19	22.1	146	23	80	2¾	1150	S	60		9.3	40	7.8	3	7	1/8	TRIP	To Core
91	8 5/12	CHR.	C22		8660525	4849	63	7½	8.4	153¾	20	70/95		750	P	34	36	9.4	37	8.4		OC		TRIP	To Test
7	8½	HTC	OSC 1GJ	3X10	ND128	5143	294	15½	18.9	169	25	80	1¼	1200	S	60		9.5	41	8.4	6	4	I	TRIP	FNB
8	8½	HTC	OSC1GJ	3X10	SN9308	5260	117	4	29	173	20	75		1200	S	58		9.5	40	8.4	1	1	I	Trip	To Log

DT 5260

8-2-81

Yours for the asking . . .

Technical information and help to get your holes down faster with fewer problems. Advice on rock bit performance, bit selection, drill string analysis, hydraulics programs and recommendations on the best bit weight and rotary speed. This information is tailored for you, your location and your rig.

Your Hughes Tool Company representative is your best source for drilling information . . . wherever you drill.

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HUGHES TOOL COMPANY

Houston, Texas
U.S.A.

HTC 557 E

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)