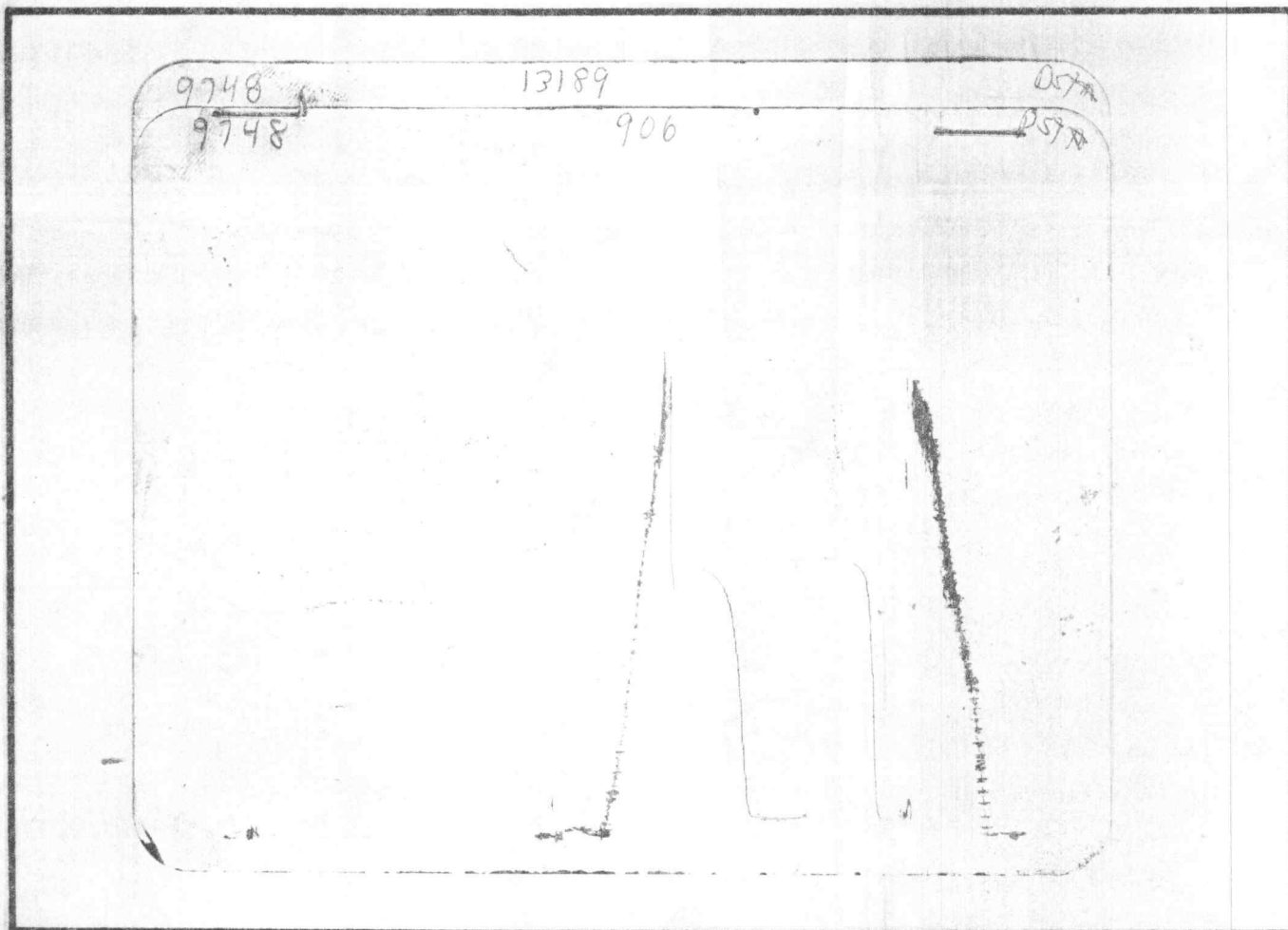




This is actual recorder chart.

| POINT                                  | PRESSURE         |                   |        |
|----------------------------------------|------------------|-------------------|--------|
|                                        | FIELD<br>READING | OFFICE<br>READING |        |
| (A) Initial Hydrostatic Mud .....      | 1774             | 1699              | P.S.I. |
| (B) First Initial Flow Pressure .....  | 57               | 76                | P.S.I. |
| (C) First Final Flow Pressure .....    | 57               | 79                | P.S.I. |
| (D) Initial Closed-in Pressure .....   | 1097             | 1117              | P.S.I. |
| (E) Second Initial Flow Pressure ..... | 68               | 82                | P.S.I. |
| (F) Second Final Flow Pressure .....   | 68               | 87                | P.S.I. |
| (G) Final Closed-in Pressure .....     | 1078             | 1093              | P.S.I. |
| (H) Final Hydrostatic Mud .....        | 1736             | 1740              | P.S.I. |

# SUPERIOR TESTERS INC.

## WELL IDENTIFICATION DATA

COMPANY : NATIONAL PET RESERVES      WELL NAME : SCHROEDER # 1  
 ADDRESS : 260 N. ROCK ROAD SUITE 215      LOCATION : 29-17-9  
 STATE & COUNTY : KANSAS, ELLSWORTH      FIELD :  
 TEST INT. KB : 3174      to 3232      TEST DATE : 7-10-84  
 ELEV. (GR) :      (KB) : 1770      TOTAL INTERVAL (ft) K.B. :      58.00

## EQUIPMENT AND HOLE DATA

|                                         |                                 |
|-----------------------------------------|---------------------------------|
| TYPE OF TEST : CONV.                    | DRILL PIPE LENGTH (ft) : 3100   |
| TOTAL DEPTH (ft- <del>kb</del> ) : 3232 | DRILL PIPE I.D. (in) : 3.80     |
| MAIN HOLE/CASING SIZE (in) : 7 7/8      | DRILL COLLAR LENGTH (ft) :      |
| RAT HOLE/LINER SIZE (in) :              | DRILL COLLAR I.D. (in) :        |
| FORMATION TESTED : ARBUCKLE             | TOP PACKER DEPTH (kb) : 3169    |
| PACKER SIZE (in) : 6 3/4                | BOTTOM PACKER DEPTH (kb) : 3174 |
| DUAL PACKERS : YES                      | PACKER HOLD : YES               |
| TOOL SIZE : 5 1/2 O.D.                  | TOOL JOINT SIZE : 4 1/2 F.H.    |
| MUD VISCOSITY : 36                      | MUD WEIGHT : 9.7                |
| WEIGHT PIPE LENGTH (FT) : 240           | WEIGHT PIPE ID : 2.75           |
| EXTRA EQUIPMENT : NONE                  | ANCHOR LENGTH (FT) : 58         |
| SURFACE CHOKE : 3/4                     | BOTTOM CHOKE : 3/4              |
| REVERSED OUT : NO                       |                                 |

## SUBSURFACE PRESSURE MEASUREMENTS

ELEMENT SERIAL NO. : 906  
 RANGE :      0 - 2875      CLOCK RANGE : 12 HOUR  
 CAL. EQU. : 720.05 \* Defl. +      3.83

| COMMENTS                         | TIME<br>min | DEFL<br>in | -----<br>CALC | PRESSURE PSIG<br>CORR | -----<br>CORRECTED |
|----------------------------------|-------------|------------|---------------|-----------------------|--------------------|
| TEST NO.: 1                      |             |            |               |                       |                    |
| Depth : 3226.0 ft- <del>kb</del> |             |            |               |                       |                    |
| -09:57 HYDROSTATIC               | 2.9         | 2.352      | 1697.40       | 1.74                  | 1699.14            |
| -10:00 HYDROSTATIC               | 0.0         | 2.352      | 1697.40       | 1.74                  | 1699.14            |
| -10:00 1ST FLOW                  | 0.0         | .105       | 79.44         | -3.24                 | 76.20              |
| - 10:03                          | 3.0         | .106       | 80.16         | -3.24                 | 76.92              |
| - 10:06                          | 6.0         | .105       | 79.44         | -3.24                 | 76.20              |
| - 10:09                          | 9.0         | .108       | 81.60         | -3.22                 | 78.37              |
| - 10:11                          | 11.0        | .108       | 81.60         | -3.22                 | 78.37              |
| - 10:14                          | 14.0        | .108       | 81.60         | -3.22                 | 78.37              |
| - 10:17                          | 17.0        | .109       | 82.32         | -3.22                 | 79.10              |
| - 10:20                          | 20.0        | .109       | 82.32         | -3.22                 | 79.10              |
| - 10:21                          | 21.0        | .110       | 83.04         | -3.21                 | 79.83              |
| -10:20 END FLOW                  | 0.0         | .110       | 83.04         | -3.21                 | 79.83              |
| - 10:23                          | 3.0         | .199       | 147.12        | -2.71                 | 144.41             |
| - 10:25                          | 5.0         | .536       | 389.78        | -.81                  | 388.97             |

### REMARKS :

1ST BLOW: WEAK SLOWLY BUILT TO 2 INCHES INTO THE WATER  
 2ND BLOW: NO BLOW FOR 10 MIN. THEN SLOWLY BUILT SLOWLY TO 1/4 INCH INTO WATER

WITNESSED BY :

TOOL OPERATOR : PAT STEVEN

SON

INTERPRETATION BY : SUPERIOR TESTERS INC.

# SUPERIOR TESTERS INC.

## SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : NATIONAL PET RESERVES  
DATE OF TEST : 7-10-84  
DEPTH : 3226.0

WELL NAME : SCHROEDER # 1  
LOCATION : 29-17-9  
SERIAL NO. : 906

| COMMENTS        | TIME<br>min | DEFL<br>in | PRESSURE PSIG |       |           |
|-----------------|-------------|------------|---------------|-------|-----------|
|                 |             |            | CALC          | CORR  | CORRECTED |
| TEST NO.: 1     |             |            |               |       |           |
| - 10:29         | 9.0         | 1.302      | 941.35        | 3.50  | 944.85    |
| - 10:31         | 11.0        | 1.434      | 1036.39       | 3.84  | 1040.23   |
| - 10:34         | 14.0        | 1.469      | 1061.59       | 3.78  | 1065.37   |
| - 10:37         | 17.0        | 1.489      | 1076.00       | 3.75  | 1079.74   |
| - 10:40         | 20.0        | 1.503      | 1086.08       | 3.72  | 1089.80   |
| - 10:43         | 23.0        | 1.510      | 1091.12       | 3.71  | 1094.83   |
| - 10:46         | 26.0        | 1.518      | 1096.88       | 3.70  | 1100.57   |
| - 10:49         | 29.0        | 1.522      | 1099.76       | 3.69  | 1103.45   |
| - 10:52         | 32.0        | 1.526      | 1102.64       | 3.68  | 1106.32   |
| - 10:55         | 35.0        | 1.529      | 1104.80       | 3.68  | 1108.48   |
| - 10:57         | 37.0        | 1.532      | 1106.96       | 3.67  | 1110.63   |
| - 11:00         | 40.0        | 1.533      | 1107.68       | 3.67  | 1111.35   |
| - 11:03         | 43.0        | 1.535      | 1109.12       | 3.67  | 1112.79   |
| - 11:06         | 46.0        | 1.537      | 1110.56       | 3.67  | 1114.22   |
| - 11:09         | 49.0        | 1.540      | 1112.72       | 3.66  | 1116.38   |
| - 11:12         | 52.0        | 1.540      | 1112.72       | 3.66  | 1116.38   |
| - 11:15         | 55.0        | 1.541      | 1113.44       | 3.66  | 1117.10   |
| - 11:17         | 57.0        | 1.542      | 1114.16       | 3.66  | 1117.82   |
| -11:07 SHUT-IN  | 0.0         | 1.542      | 1114.16       | 3.66  | 1117.82   |
| -11:07 2ND FLOW | 0.0         | .113       | 85.20         | -3.20 | 82.00     |
| - 11:10         | 3.0         | .113       | 85.20         | -3.20 | 82.00     |
| - 11:13         | 6.0         | .113       | 85.20         | -3.20 | 82.00     |
| - 11:16         | 9.0         | .114       | 85.92         | -3.19 | 82.73     |
| - 11:18         | 11.0        | .114       | 85.92         | -3.19 | 82.73     |
| - 11:21         | 14.0        | .114       | 85.92         | -3.19 | 82.73     |
| - 11:24         | 17.0        | .114       | 85.92         | -3.19 | 82.73     |
| - 11:27         | 20.0        | .114       | 85.92         | -3.19 | 82.73     |
| - 11:30         | 23.0        | .114       | 85.92         | -3.19 | 82.73     |
| - 11:33         | 26.0        | .114       | 85.92         | -3.19 | 82.73     |
| - 11:36         | 29.0        | .114       | 85.92         | -3.19 | 82.73     |
| - 11:39         | 32.0        | .115       | 86.64         | -3.18 | 83.45     |
| - 11:42         | 35.0        | .119       | 89.52         | -3.16 | 86.36     |
| - 11:44         | 37.0        | .119       | 89.52         | -3.16 | 86.36     |
| - 11:47         | 40.0        | .119       | 89.52         | -3.16 | 86.36     |
| - 11:50         | 43.0        | .121       | 90.96         | -3.15 | 87.81     |
| -11:49 END FLOW | 0.0         | .121       | 90.96         | -3.15 | 87.81     |
| - 11:52         | 3.0         | .184       | 136.32        | -2.80 | 133.53    |
| - 11:55         | 6.0         | .443       | 322.82        | -1.34 | 321.48    |
| - 11:58         | 9.0         | .766       | 555.40        | .48   | 555.88    |
| - 12:00         | 11.0        | 1.010      | 731.09        | 1.86  | 732.95    |

# SUPERIOR TESTERS INC.

## SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : NATIONAL PET RESERVES  
 DATE OF TEST : 7-10-84  
 DEPTH : 3226.0

WELL NAME : SCHROEDER # 1  
 LOCATION : 29-17-9  
 SERIAL NO. : 906

| COMMENTS           | TIME<br>min | DEFL<br>in | PRESSURE PSIG |      |           |
|--------------------|-------------|------------|---------------|------|-----------|
|                    |             |            | CALC          | CORR | CORRECTED |
| TEST NO.: 1        |             |            |               |      |           |
| - 12:03            | 14.0        | 1.207      | 872.94        | 2.97 | 875.91    |
| - 12:06            | 17.0        | 1.286      | 929.82        | 3.41 | 933.24    |
| - 12:09            | 20.0        | 1.345      | 972.31        | 3.74 | 976.05    |
| - 12:12            | 23.0        | 1.386      | 1001.83       | 3.92 | 1005.75   |
| - 12:15            | 26.0        | 1.418      | 1024.87       | 3.86 | 1028.74   |
| - 12:18            | 29.0        | 1.435      | 1037.11       | 3.84 | 1040.95   |
| - 12:21            | 32.0        | 1.448      | 1046.47       | 3.81 | 1050.29   |
| - 12:24            | 35.0        | 1.461      | 1055.83       | 3.79 | 1059.63   |
| - 12:26            | 37.0        | 1.470      | 1062.31       | 3.78 | 1066.09   |
| - 12:29            | 40.0        | 1.478      | 1068.08       | 3.76 | 1071.84   |
| - 12:32            | 43.0        | 1.485      | 1073.12       | 3.75 | 1076.87   |
| - 12:35            | 46.0        | 1.490      | 1076.72       | 3.74 | 1080.46   |
| - 12:38            | 49.0        | 1.496      | 1081.04       | 3.73 | 1084.77   |
| - 12:41            | 52.0        | 1.501      | 1084.64       | 3.73 | 1088.36   |
| - 12:44            | 55.0        | 1.504      | 1086.80       | 3.72 | 1090.52   |
| - 12:47            | 58.0        | 1.507      | 1088.96       | 3.72 | 1092.67   |
| - 12:48            | 59.0        | 1.508      | 1089.68       | 3.71 | 1093.39   |
| -12:48 SHUT-IN     | 0.0         | 1.508      | 1089.68       | 3.71 | 1093.39   |
| -12:48 HYDROSTATIC | 0.0         | 2.410      | 1739.17       | 1.52 | 1740.69   |

# SUPERIOR TESTERS INC.

## HORNER ANALYSIS

COMPANY : NATIONAL PET RESERVES  
 WELL NAME : SCHRÖEDER # 1  
 LOCATION : 29-17-9  
 STATE & COUNTY : KANSAS, ELLSWORTH  
 DATE OF TEST : 7-10-84  
 TEST INT. KB : 3174 to 3232  
 TOTAL INTERVAL (ft) K.B. : 58.00  
 ELEV. (GR) : (KB) : 1770  
 FIELD :

ELEMENT SERIAL NO. : 906  
 LATEST CALIBRATION :

| COMMENTS                    | TIME<br>min | (T+dt)/dt<br>min | -----<br>PRESSURES<br>CORR PSIG | ----- |
|-----------------------------|-------------|------------------|---------------------------------|-------|
| Refer. depth : 3226.0 ft-kb |             |                  |                                 |       |
| -10:00 1ST FLOW             | 0.00        | 0.00             | 76.20                           |       |
|                             | 3.00        | 62.67            | 76.92                           |       |
|                             | 6.00        | 31.83            | 76.20                           |       |
|                             | 9.00        | 21.56            | 78.37                           |       |
|                             | 11.00       | 17.82            | 78.37                           |       |
|                             | 14.00       | 14.21            | 78.37                           |       |
|                             | 17.00       | 11.88            | 79.10                           |       |
|                             | 20.00       | 10.25            | 79.10                           |       |
|                             | 21.00       | 9.81             | 79.83                           |       |
|                             |             |                  | 79.83                           |       |
| -10:20 END FLOW             | 0.00        | 0.00             | 79.83                           |       |
|                             | 3.00        | 62.67            | 144.41                          |       |
|                             | 5.00        | 38.00            | 388.97                          |       |
|                             | 9.00        | 21.56            | 944.85                          |       |
|                             | 11.00       | 17.82            | 1040.64                         |       |
|                             | 14.00       | 14.21            | 1066.04                         |       |
|                             | 17.00       | 11.88            | 1080.55                         |       |
|                             | 20.00       | 10.25            | 1090.71                         |       |
|                             | 23.00       | 9.04             | 1095.79                         |       |
|                             | 26.00       | 8.12             | 1101.60                         |       |
|                             | 29.00       | 7.38             | 1104.50                         |       |

WITNESSED BY :

TOOL OPERATOR : PAT STEVENSON

INTERPRETATION BY : SUPERIOR TESTERS INC.

# SUPERIOR TESTERS INC.

## HORNER ANALYSIS

COMPANY : NATIONAL PET RESERVES  
 DATE OF TEST : 7-10-84  
 REFERENCE DEPTH : 3226.0

WELL NAME : SCHROEDER # 1  
 LOCATION : 29-17-9  
 SERIAL NO. : 906

| COMMENTS        | TIME<br>min | (T+dt)/dt<br>min | ----- PRESSURES<br>CORR PSIG |
|-----------------|-------------|------------------|------------------------------|
|                 | 32.00       | 6.78             | 1107.40                      |
|                 | 35.00       | 6.29             | 1109.58                      |
|                 | 37.00       | 6.00             | 1111.76                      |
|                 | 40.00       | 5.63             | 1112.48                      |
|                 | 43.00       | 5.30             | 1113.93                      |
|                 | 46.00       | 5.02             | 1115.38                      |
|                 | 49.00       | 4.78             | 1117.56                      |
|                 | 52.00       | 4.56             | 1117.56                      |
|                 | 55.00       | 4.36             | 1118.29                      |
|                 | 57.00       | 4.25             | 1119.01                      |
| -11:07 SHUT-IN  | 0.00        | 0.00             | 1119.01                      |
| -11:07 2ND FLOW | 0.00        | 0.00             | 82.00                        |
|                 | 3.00        | 62.67            | 82.00                        |
|                 | 6.00        | 31.83            | 82.00                        |
|                 | 9.00        | 21.56            | 82.73                        |
|                 | 11.00       | 17.82            | 82.73                        |
|                 | 14.00       | 14.21            | 82.73                        |
|                 | 17.00       | 11.88            | 82.73                        |
|                 | 20.00       | 10.25            | 82.73                        |
|                 | 23.00       | 9.04             | 82.73                        |
|                 | 26.00       | 8.12             | 82.73                        |
|                 | 29.00       | 7.38             | 82.73                        |
|                 | 32.00       | 6.78             | 83.45                        |
|                 | 35.00       | 6.29             | 86.36                        |
|                 | 37.00       | 6.00             | 86.36                        |
|                 | 40.00       | 5.63             | 86.36                        |
|                 | 43.00       | 5.30             | 87.81                        |
| -11:49 END FLOW | 0.00        | 0.00             | 87.81                        |
|                 | 3.00        | 62.67            | 133.53                       |
|                 | 6.00        | 31.83            | 321.48                       |
|                 | 9.00        | 21.56            | 555.88                       |
|                 | 11.00       | 17.82            | 732.95                       |
|                 | 14.00       | 14.21            | 875.91                       |
|                 | 17.00       | 11.88            | 933.24                       |
|                 | 20.00       | 10.25            | 976.05                       |
|                 | 23.00       | 9.04             | 1005.81                      |
|                 | 26.00       | 8.12             | 1029.03                      |
|                 | 29.00       | 7.38             | 1041.36                      |
|                 | 32.00       | 6.78             | 1050.80                      |
|                 | 35.00       | 6.29             | 1060.23                      |

# SUPERIOR TESTERS INC.

## HORNER ANALYSIS

COMPANY : NATIONAL PET RESERVES  
 DATE OF TEST : 7-10-84  
 REFERENCE DEPTH : 3226.0

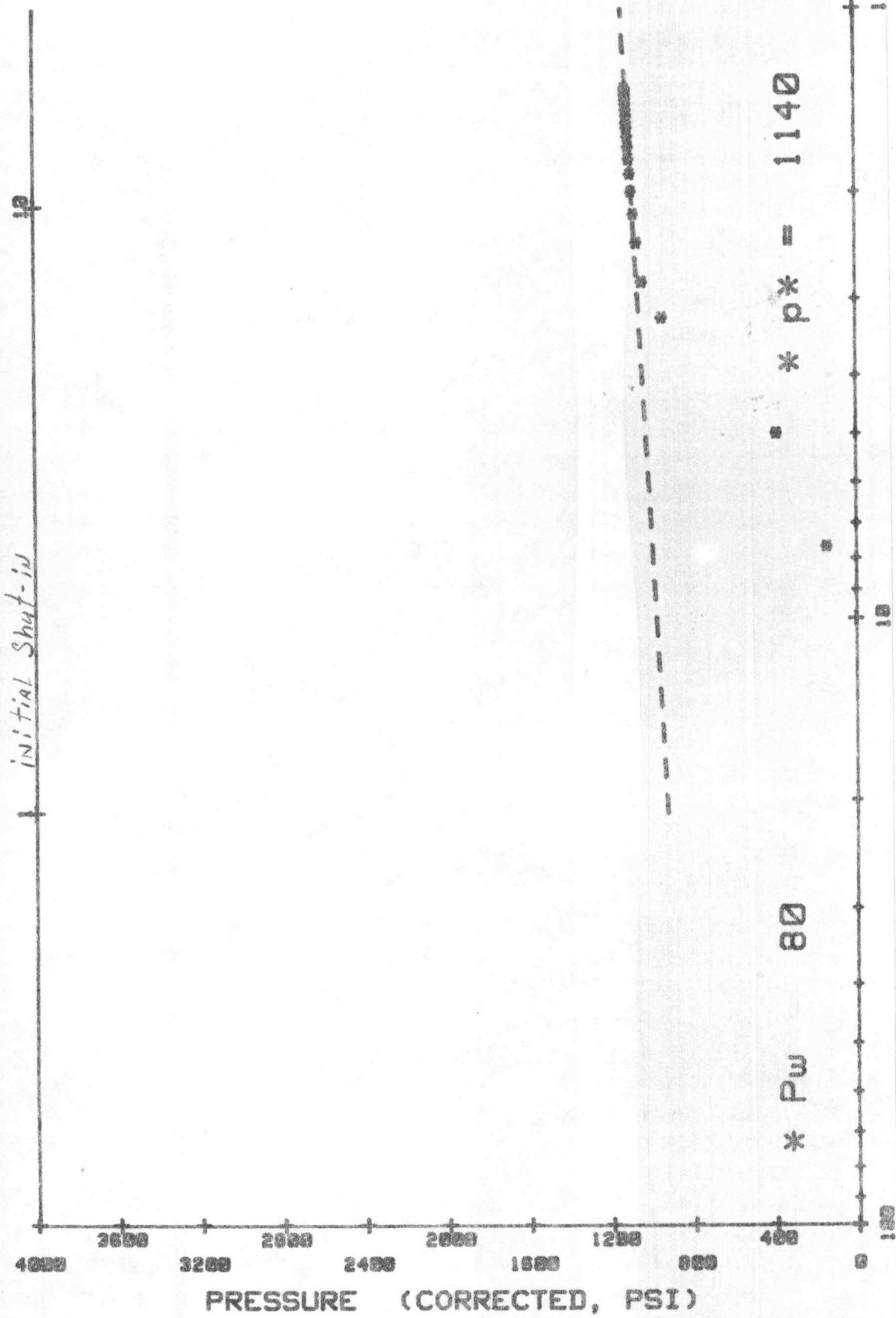
WELL NAME : SCHROEDER # 1  
 LOCATION : 29-17-9  
 SERIAL NO. : 906

| COMMENTS | TIME<br>min | (T+dt)/dt<br>min | ----- PRESSURES -----<br>CORR PSIG |
|----------|-------------|------------------|------------------------------------|
|          | 37.00       | 6.00             | 1066.76                            |
|          | 40.00       | 5.63             | 1072.57                            |
|          | 43.00       | 5.30             | 1077.65                            |
|          | 46.00       | 5.02             | 1081.28                            |
|          | 49.00       | 4.78             | 1085.63                            |
|          | 52.00       | 4.56             | 1089.26                            |
|          | 55.00       | 4.36             | 1091.44                            |
|          | 58.00       | 4.19             | 1093.61                            |
|          | 59.00       | 4.14             | 1094.34                            |

LOCATION : 29-17-9

DATE : 7-10-84

GAUGE # : 906



PRESSURE (CORRECTED, PSI)

LOCATION : 29-17-9

DATE : 7-18-84

GAUGE # : 906

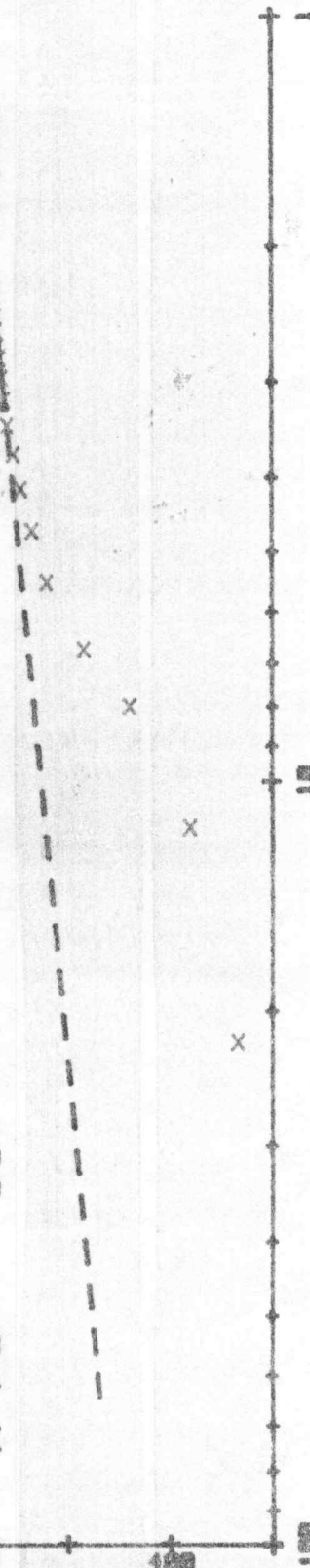
19 Final Shut-in

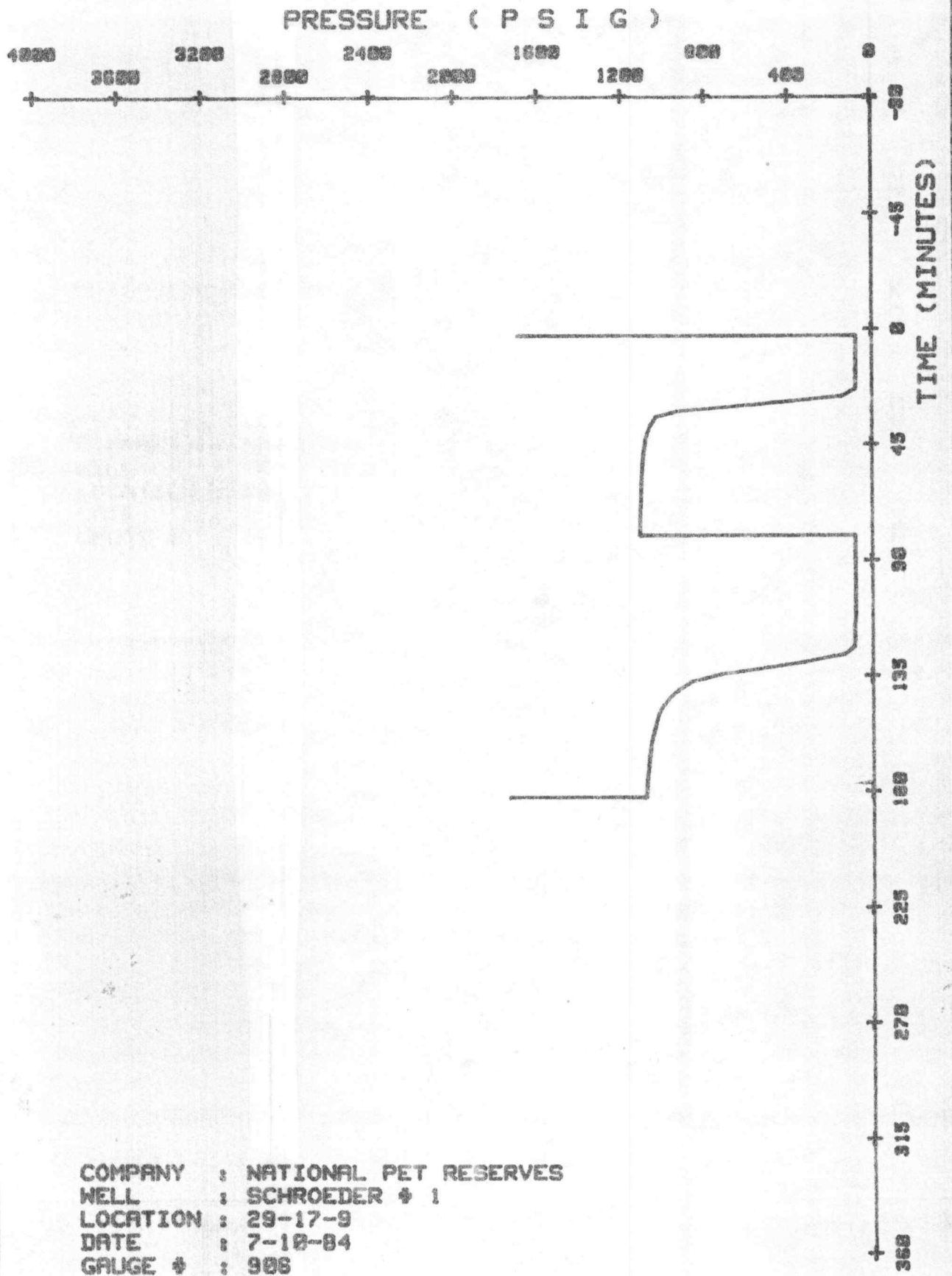
4000 3600 3200 2800 2400 2000 1600 1200 800 400 0

PRESSURE (CORRECTED, PSI)

X P<sub>w</sub> 88

X P<sub>xs</sub> 1-185 --





# SUPERIOR TESTERS INC.

ERROR IN SUMMARY CALCULATIONS

\*\*\*\*\* C A U T I O N ;      D A T A    I N C O M P L E T E  
                                 D A T A    S U M M A R Y

COMPANY : NATIONAL PET RESERVES  
DATE OF TEST : 7-10-84

WELL NAME : SCHROEDER # 1  
LOCATION : 29-17-9

## RECOVERY INFORMATION

### LIQUID RECOVERY

Total Fluid Recovered : 100

|               |         |                            |
|---------------|---------|----------------------------|
| Recovered 60  | feet of | GAS IN THE PIPE            |
| Recovered 100 | feet of | GAS AND OIL CUT WATERY MUD |

### GAS RECOVERY

Measured With :

Riser :

| Time (min.) | Reading (psig) | Surface Choke (in.) | Cubic feet/day |
|-------------|----------------|---------------------|----------------|
|-------------|----------------|---------------------|----------------|

### FLUID PROPERTIES

|       | Viscosity (cp) | Compressibility (psi-1) | Pore Space Saturation |
|-------|----------------|-------------------------|-----------------------|
| Oil   |                |                         |                       |
| Gas   |                |                         |                       |
| Water |                |                         |                       |

DST Number: 1

Test ticket number: 9748

| Sample # | Total Feet | ***** Gas *****<br>% | ***** Gas *****<br>Feet | ***** Oil *****<br>% | ***** Oil *****<br>Feet | ***** Mud *****<br>% | ***** Mud *****<br>Feet |
|----------|------------|----------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|
| 1        | 40         | 30.00                | 12.00                   | 30.00                | 12.00                   | 32.00                | 12.80                   |
| 2        | 60         | 6.00                 | 3.60                    | 6.00                 | 3.60                    | 82.00                | 49.20                   |
| TOTAL    | 100        | 15.60                | 15.60                   | 15.60                | 15.60                   | 62.00                | 62.00                   |

| Sample # | Total Feet | **** WATER ****<br>% | **** WATER ****<br>Feet | Chlorides<br>(ppm) | Resistivity<br>(ohms) | Temperature<br>(deg) |
|----------|------------|----------------------|-------------------------|--------------------|-----------------------|----------------------|
| 1        | 40         | 8.00                 | 3.20                    | 0.00               | 0.00                  | 0.00                 |
| 2        | 60         | 6.00                 | 3.60                    | 0.00               | 0.00                  | 0.00                 |
| TOTAL    | 100        | 6.80                 | 6.80                    |                    |                       |                      |

WITNESSED BY :

TOOL OPERATOR : PAT STEVENSON

INTERPRETATION BY : SUPERIOR TESTERS INC.

# SUPERIOR TESTERS INC.

## DATA SUMMARY

COMPANY : NATIONAL PET RESERVES  
DATE OF TEST : 7-10-84  
DST. NO : 1

WELL NAME : SCHROEDER # 1  
LOCATION : 29-17-9  
SHUT-IN PERIOD : 1

### INTERPRETIVE DATA (OIL)

|                                                |         |
|------------------------------------------------|---------|
| EXTRAPOLATED RESERVOIR PRESSURE (psi): .....   | 1140.00 |
| Slope of Build-up Curve (psi/log cycle): ..... | 158.58  |
| Effective Producing Time (min): .....          | 20.00   |

WITNESSED BY :

TOOL OPERATOR : PAT STEVENSON

INTERPRETATION BY : SUPERIOR TESTERS INC.

# SUPERIOR TESTERS INC.

## DATA SUMMARY

COMPANY : NATIONAL PET RESERVES  
DATE OF TEST : 7-10-84  
DST. NO : 1

WELL NAME : SCHROEDER # 1  
LOCATION : 29-17-9  
SHUT-IN PERIOD : 2

### INTERPRETIVE DATA (OIL)

|                                                |         |
|------------------------------------------------|---------|
| EXTRAPOLATED RESERVOIR PRESSURE (psi): .....   | 1185.00 |
| Slope of Build-up Curve (psi/log cycle): ..... | 281.40  |
| Effective Producing Time (min): .....          | 63.00   |

WITNESSED BY :

TOOL OPERATOR : PAT STEVENSON

INTERPRETATION BY : SUPERIOR TESTERS INC.

# SUPERIOR TESTERS INC.

## DATA SUMMARY

COMPANY : NATIONAL PET RESERVES  
DATE OF TEST : 7-10-84  
DST. NO : 1

WELL NAME : SCHROEDER # 1  
LOCATION : 29-17-9  
SHUT-IN PERIOD : 2

### INTERPRETIVE DATA (OIL)

#### TRANSMISSIBILITY

|                 |       |      |
|-----------------|-------|------|
| Oil (md.ft/cp): | ..... | 0.00 |
| Gas (md.ft/cp): | ..... | 0.00 |

#### EFFECTIVE PERMEABILITY

|           |       |      |
|-----------|-------|------|
| Oil (md): | ..... | 0.00 |
| Gas (md): | ..... | 0.00 |

|                         |       |      |
|-------------------------|-------|------|
| TOTAL MOBILITY (md/cp): | ..... | 0.00 |
|-------------------------|-------|------|

|                                |       |          |
|--------------------------------|-------|----------|
| TOTAL COMPRESSIBILITY (psi-1): | ..... | 0.00E+00 |
|--------------------------------|-------|----------|

|                         |       |      |
|-------------------------|-------|------|
| ESTIMATED DAMAGE RATIO: | ..... | 0.00 |
|-------------------------|-------|------|

|                          |       |      |
|--------------------------|-------|------|
| CALCULATED DAMAGE RATIO: | ..... | 0.00 |
|--------------------------|-------|------|

|                            |       |        |
|----------------------------|-------|--------|
| Reservoir Temperature (F): | ..... | 119.00 |
|----------------------------|-------|--------|

|                      |       |      |
|----------------------|-------|------|
| Formation Porosity : | ..... | 0.00 |
|----------------------|-------|------|

|                           |       |       |
|---------------------------|-------|-------|
| Formation Thickness (ft): | ..... | 58.00 |
|---------------------------|-------|-------|

|                       |       |      |
|-----------------------|-------|------|
| Wellbore Radius (in): | ..... | 3.95 |
|-----------------------|-------|------|

|                                    |       |          |
|------------------------------------|-------|----------|
| Reservoir Compressibility (psi-1): | ..... | 0.00E+00 |
|------------------------------------|-------|----------|

|                          |       |      |
|--------------------------|-------|------|
| Calculated Skin Factor : | ..... | 0.00 |
|--------------------------|-------|------|

|                                  |       |      |
|----------------------------------|-------|------|
| PRODUCTION WITH DAMAGE REMOVED : | ..... | 0.00 |
|----------------------------------|-------|------|

|                      |       |      |
|----------------------|-------|------|
| PRODUCTIVITY INDEX : | ..... | 0.00 |
|----------------------|-------|------|

|                            |       |       |
|----------------------------|-------|-------|
| Final Flow Pressure (psi): | ..... | 87.00 |
|----------------------------|-------|-------|

|                                           |       |      |
|-------------------------------------------|-------|------|
| APPROXIMATE RADIUS OF INVESTIGATION (ft): | ..... | 0.00 |
|-------------------------------------------|-------|------|

|                           |       |      |
|---------------------------|-------|------|
| Total Flowing Time (min): | ..... | 0.00 |
|---------------------------|-------|------|

|                                        |       |         |
|----------------------------------------|-------|---------|
| EXTRAPOLATED RESERVOIR PRESSURE (psi): | ..... | 1185.00 |
|----------------------------------------|-------|---------|

|                                          |       |        |
|------------------------------------------|-------|--------|
| Slope of Build-up Curve (psi/log cycle): | ..... | 281.40 |
|------------------------------------------|-------|--------|

|                                 |       |      |
|---------------------------------|-------|------|
| Effective Producing Time (min): | ..... | 0.00 |
|---------------------------------|-------|------|

WITNESSED BY :

TOOL OPERATOR : PAT STEVENSON