

# *Formation Testing Service Report*

# Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 7 13 91 Location 5 30 13<sup>W</sup> Elevation 1998<sup>FB</sup> County BARBER

Company FG HOLL COMPANY Number of Copies 5

Charts Mailed to Po Box 780167 Wichita KS

Drilling Contractor TRAN-PAC

Length Drill Pipe 4482 I.D. Drill Pipe 380 Tool Joint Size 4 1/2 x 4 1/2

Length Weight Pipe - I.D. Weight Pipe - Tool Joint Size -

Length Drill Collars - I.D. Drill Collars - Tool Joint Size -

Top Packer Depth 4477 Bottom Packer Depth 4482 Number of Packers Two Packer Size 6 1/4

TESTED FROM 4482 TO 4510 ANCHOR LENGTH 28 TOTAL DEPTH 4510 Hole Size 7 7/8

LEASE & WELL NO. V. LAMBERT 1-5 FORMATION TESTED MISS TEST NO. 1

Mud Weight 9.5 Viscosity 47 Water Loss 12.0 Chlorides - Pits 6,000 D.S.T. -

Maximum Temp. 121 °F Initial Hydrostatic Pressure (A) 2255 P.S.I. Final Hydrostatic Pressure (H) 2236 P.S.I.

Tool Open I.F.P. from 1100 m to 1130 m 30 min

Tool Closed I.C.I.P. from 1130 m to 1230 m 60 min

Tool Open F.F.P. from 1230 m to 130 m 60 min

Tool Closed F.C.I.P. from 130 m to 300 m 90 min

Initial Blow FAIR BLOW Building To Bottom 16<sup>u</sup>

Final Blow Strong Blow off Bottom

|   |
|---|
| from [B] <u>38</u> P.S.I. to [C] <u>19</u> P.S.I. |
| [D] <u>347</u> P.S.I.                             |
| from [E] <u>28</u> P.S.I. to [F] <u>19</u> P.S.I. |
| [G] <u>530</u> P.S.I.                             |

Total Feet Recovered 1775' GAS in pip 25' Drilling mud Gravity of Oil - Corrected

| Feet of  | % Gas | % Oil | % Mud | % Water |
|--|-------|-------|-------|---------|
| <u>25'</u> Feet of <u>Drilling mud Trace of oil on top</u> |       |       |       |         |
| Feet of  | % Gas | % Oil | % Mud | % Water |
| Feet of  | % Gas | % Oil | % Mud | % Water |
| Feet of  | % Gas | % Oil | % Mud | % Water |
| Feet of  | % Gas | % Oil | % Mud | % Water |
| Feet of  | % Gas | % Oil | % Mud | % Water |
| Feet of  | % Gas | % Oil | % Mud | % Water |
| Feet of  | % Gas | % Oil | % Mud | % Water |
| Feet of  | % Gas | % Oil | % Mud | % Water |
| Feet of  | % Gas | % Oil | % Mud | % Water |

Remarks -

Extra Equipment - Jars - Safety Joint yes Extra Packer - Straddle - Hook Wall -

Top Recorder No. 12203 Clock No. 17577 Depth 4504 Cir. Sub - Sampler AP

Bottom Recorder No. 12214 Clock No. 23937 Depth 4507 Insurance NA

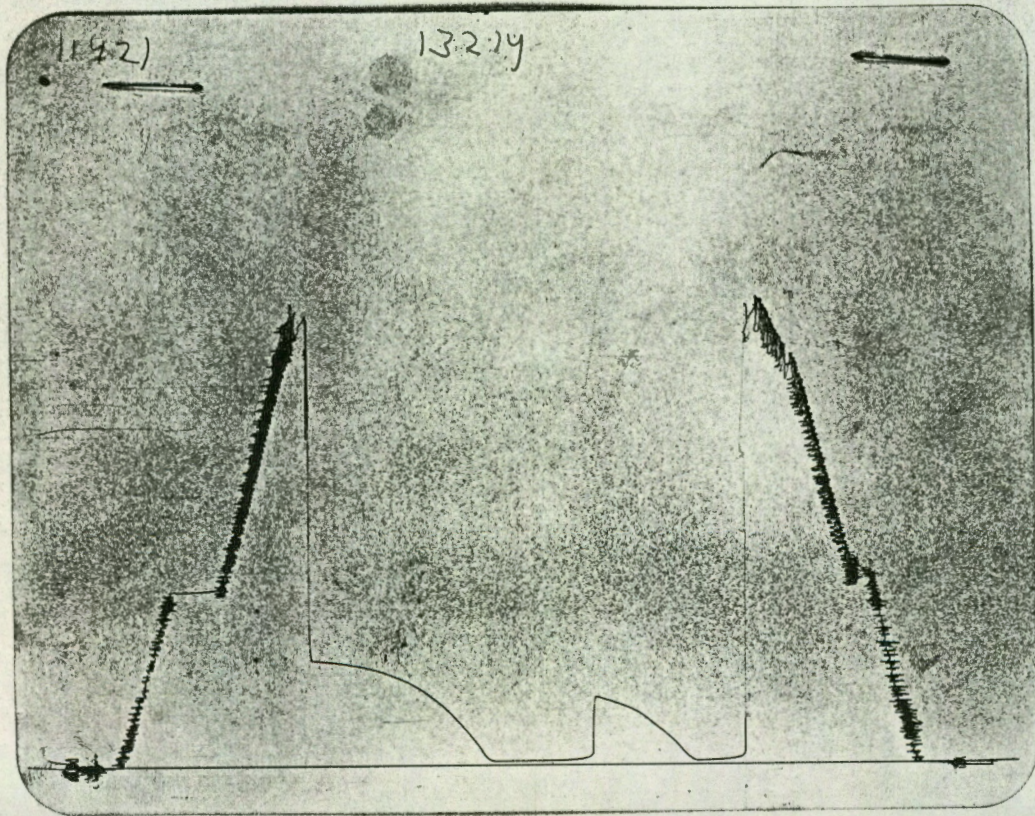
Price of Job -

Tool Operator PAT STEVENSON

Approved By -

No 11421

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, of any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



This is an actual photograph of recorder chart.

| POINT                                  | PRESSURE      |                | P.S.I. |
|--|---------------|----------------|--------|
|  | FIELD READING | OFFICE READING |        |
| (A) Initial Hydrostatic Mud .....      | 2255          | 2259           | P.S.I. |
| (B) First Initial Flow Pressure .....  | 38            | 39             | P.S.I. |
| (C) First Final Flow Pressure .....    | 19            | 18             | P.S.I. |
| (D) Initial Closed-in Pressure .....   | 347           | 329            | P.S.I. |
| (E) Second Initial Flow Pressure ..... | 28            | 41             | P.S.I. |
| (F) Second Final Flow Pressure .....   | 19            | 21             | P.S.I. |
| (G) Final Closed-in Pressure .....     | 530           | 517            | P.S.I. |
| (H) Final Hydrostatic Mud .....        | 2236          | 2220           | P.S.I. |

# SUPERIOR TESTERS ENTERPRISES INC.

## WELL IDENTIFICATION DATA

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COMPANY : F.G.HOLL COMPANY                      WELL NAME : V.LAMBERT#1-5  
ADDRESS : 6427 E.KELLOGG,WICHITA              LOCATION : 5-308-13W  
STATE & COUNTY : KANSAS ,BARBER              FIELD :  
ELEV.(GR) : 1909              (KB) : 1918              TEST DATE : 7-13-1991

## EQUIPMENT AND HOLE DATA

---

|  |                                |
|--|--------------------------------|
| FORMATION TESTED : MISSISSIPPI           | DRILL PIPE LENGTH(ft) : 4482   |
| TEST INT. KB : 4482              to 4510 | DRILL PIPE O.D.(in) : 3.82     |
| ANCHOR LENGTH(ft) : 28                   | WEIGHT PIPE LENGTH(ft) :       |
| TYPE OF TEST : Conventional              | WEIGHT PIPE ID : 2.75          |
| TOTAL DEPTH(ft-kb) : 4510                | DRILL COLLAR LENGTH(ft) : 0    |
| MAIN HOLE SIZE(in) : 7 7/8               | DRILL COLLAR I.D.(in) : 2.259  |
| MUD WEIGHT : 9.5                         | TOP PACKER DEPTH(kb) : 4477    |
| MUD VISCOSITY : 47                       | BOTTOM PACKER DEPTH(kb) : 4482 |
| MUD CHLORIDES : 6000                     | DUAL PACKERS :                 |
| SURFACE CHOKE : 3/4                      | PACKER SIZE(in) : 6 3/4        |
| BOTTOM CHOKE(in) : 3/4                   | PACKER HOLD : Yes              |
| TOOL SIZE(O.D.) : 5 1/2                  | TOOL PLUG : No                 |
| TOOL JOINT SIZE(F.H.) : 4 1/2            | REVERSED OUT : No              |
| RESERVOIR TEMPERATURE(F) : 121           | TEST TICKET NUMBER : 11421     |

EXTRA EQUIPMENT : -SAFETY JOINT

ELEMENT SERIAL NO. : 13214  
RANGE :              0 - 3825                      CLOCK RANGE : 12 HOURS  
CAL. EQU. : 971.31 \* Def1. -              .01

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## SURFACE BLOW

1st Opening :              FAIR BLOW BOTTOM OF THE BUCKET IN 16 MINUTES  
2nd Opening :              STRONG BLOW

## RECOVERY

Recovered 25 feet of DRILLING MUD WITH A TRACE OF OIL ON TOP  
1475 feet of gas in the pipe

## REMARKS :

WITNESSED BY : BRENT REINHARDT                      TOOL OPERATOR : PAT STEVENSON

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : F.G.HOLL COMPANY  
 DATE OF TEST : 7-13-1991  
 DEPTH : 4504.0

WELL NAME : V.LAMBERT#1-5  
 LOCATION : 5-30S-13W  
 SERIAL NO. : 13214

| COMMENTS             | TIME<br>min | DEFL<br>in | PRESSURE PSIG |       |           |
|----------------------|-------------|------------|---------------|-------|-----------|
|                      |             |            | -----<br>CALC | CORR  | CORRECTED |
| TEST NO.:1           |             |            |               |       |           |
| Depth : 4504.0 ft-kb |             |            |               |       |           |
| -1ST HYDROSTATIC     | 0.0         | 2.326      | 2259.26       | -.24  | 2259.02   |
| -11:00 1ST FLOW      | 0.0         | .041       | 39.82         | -.24  | 39.58     |
| - 11:03              | 3.0         | .035       | 33.99         | -.20  | 33.78     |
| - 11:09              | 9.0         | .028       | 27.19         | -.16  | 27.03     |
| - 11:14              | 14.0        | .023       | 22.33         | -.13  | 22.20     |
| - 11:20              | 20.0        | .020       | 19.42         | -.11  | 19.31     |
| - 11:25              | 25.0        | .018       | 17.48         | -.10  | 17.37     |
| - 11:30              | 30.0        | .019       | 18.45         | -.11  | 18.34     |
| -11:30 END FLOW      | 0.0         | .019       | 18.45         | -.11  | 18.34     |
| - 11:33              | 3.0         | .034       | 33.02         | -.20  | 32.82     |
| - 11:36              | 6.0         | .061       | 59.24         | -.36  | 58.88     |
| - 11:40              | 10.0        | .094       | 91.30         | -.56  | 90.73     |
| - 11:42              | 12.0        | .119       | 115.58        | -.71  | 114.86    |
| - 11:45              | 15.0        | .138       | 134.03        | -.83  | 133.20    |
| - 11:48              | 18.0        | .165       | 160.26        | -.99  | 159.27    |
| - 11:51              | 21.0        | .189       | 183.57        | -1.14 | 182.43    |
| - 11:54              | 24.0        | .208       | 202.03        | -1.25 | 200.77    |
| - 11:57              | 27.0        | .228       | 221.45        | -1.37 | 220.08    |
| - 12:00              | 30.0        | .246       | 238.94        | -1.48 | 237.45    |
| - 12:03              | 33.0        | .266       | 258.36        | -1.60 | 256.76    |
| - 12:06              | 36.0        | .278       | 270.02        | -1.68 | 268.34    |
| - 12:09              | 39.0        | .290       | 281.67        | -1.75 | 279.92    |
| - 12:12              | 42.0        | .300       | 291.39        | -1.81 | 289.58    |
| - 12:15              | 45.0        | .313       | 304.01        | -1.89 | 302.12    |
| - 12:18              | 48.0        | .323       | 313.73        | -1.95 | 311.78    |
| - 12:21              | 51.0        | .331       | 321.50        | -2.00 | 319.50    |
| - 12:24              | 54.0        | .338       | 328.30        | -2.04 | 326.25    |
| - 12:25              | 55.0        | .341       | 331.21        | -2.06 | 329.15    |
| -12:25 1ST SHUT-IN   | 0.0         | .341       | 331.21        | -2.06 | 329.15    |
| -12:25 2ND FLOW      | 0.0         | .043       | 41.76         | -.25  | 41.51     |
| - 12:30              | 5.0         | .033       | 32.05         | -.19  | 31.85     |
| - 12:35              | 10.0        | .026       | 25.25         | -.15  | 25.10     |
| - 12:40              | 15.0        | .023       | 22.33         | -.13  | 22.20     |
| - 12:45              | 20.0        | .023       | 22.33         | -.13  | 22.20     |
| - 12:50              | 25.0        | .023       | 22.33         | -.13  | 22.20     |
| - 12:55              | 30.0        | .022       | 21.36         | -.13  | 21.24     |
| - 13:00              | 35.0        | .022       | 21.36         | -.13  | 21.24     |
| - 13:06              | 41.0        | .022       | 21.36         | -.13  | 21.24     |
| - 13:09              | 44.0        | .022       | 21.36         | -.13  | 21.24     |
| - 13:15              | 50.0        | .021       | 20.39         | -.12  | 20.27     |

# SUPERIOR TESTERS ENTERPRISES INC.

## SUBSURFACE PRESSURE MEASUREMENTS

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COMPANY : F.G.HOLL COMPANY  
 DATE OF TEST : 7-13-1991  
 DEPTH : 4504.0

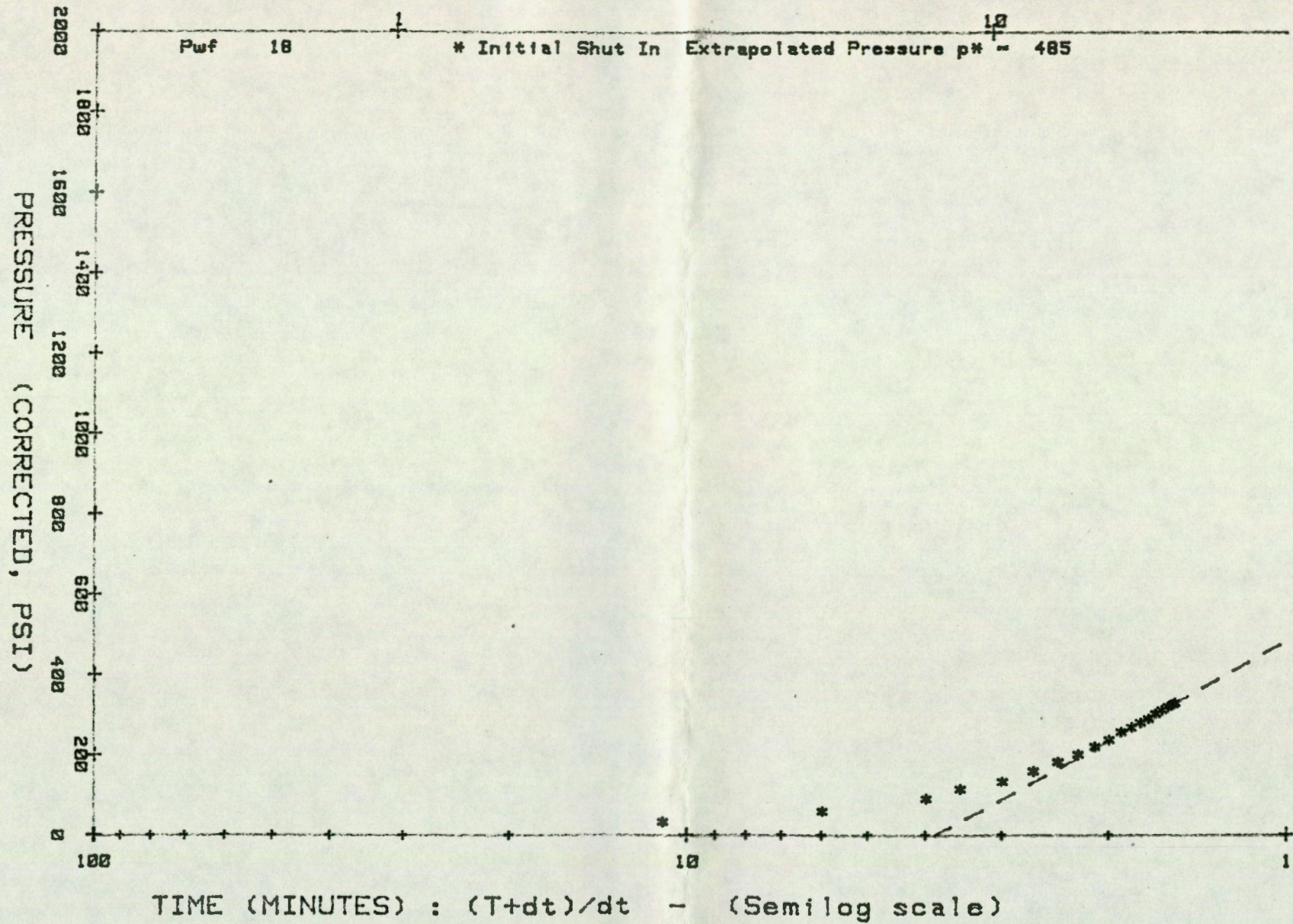
WELL NAME : V.LAMBERT#1-5  
 LOCATION : 5-30S-13W  
 SERIAL NO. : 13214

| COMMENTS          | TIME<br>min | DEFL<br>in | PRESSURE PSIG |       |                    |
|-------------------|-------------|------------|---------------|-------|--------------------|
|                   |             |            | -----<br>CALC | CORR  | -----<br>CORRECTED |
| TEST NO.:1        |             |            |               |       |                    |
| - 13:20           | 55.0        | .021       | 20.39         | -.12  | 20.27              |
| - 13:25           | 60.0        | .022       | 21.36         | -.13  | 21.24              |
| -1:25 END FLOW    | 0.0         | .022       | 21.36         | -.13  | 21.24              |
| - 1:28            | 3.0         | .041       | 39.82         | -.24  | 39.58              |
| - 1:31            | 6.0         | .082       | 79.64         | -.49  | 79.15              |
| - 1:34            | 9.0         | .109       | 105.87        | -.65  | 105.21             |
| - 1:37            | 12.0        | .150       | 145.69        | -.90  | 144.79             |
| - 1:40            | 15.0        | .183       | 177.74        | -1.10 | 176.64             |
| - 1:43            | 18.0        | .206       | 200.08        | -1.24 | 198.84             |
| - 1:46            | 21.0        | .243       | 236.02        | -1.47 | 234.56             |
| - 1:49            | 24.0        | .266       | 258.36        | -1.60 | 256.76             |
| - 1:52            | 27.0        | .295       | 286.53        | -1.78 | 284.75             |
| - 1:55            | 30.0        | .321       | 311.78        | -1.94 | 309.85             |
| - 1:58            | 33.0        | .337       | 327.32        | -2.03 | 325.29             |
| - 2:01            | 36.0        | .362       | 351.61        | -2.19 | 349.42             |
| - 2:05            | 40.0        | .383       | 372.00        | -2.31 | 369.69             |
| - 2:07            | 42.0        | .398       | 386.57        | -2.40 | 384.17             |
| - 2:10            | 45.0        | .412       | 400.17        | -2.49 | 397.68             |
| - 2:13            | 48.0        | .428       | 415.71        | -2.59 | 413.13             |
| - 2:16            | 51.0        | .437       | 424.46        | -2.64 | 421.81             |
| - 2:20            | 55.0        | .452       | 439.03        | -2.73 | 436.29             |
| - 2:23            | 58.0        | .463       | 449.71        | -2.80 | 446.91             |
| - 2:25            | 60.0        | .475       | 461.37        | -2.87 | 458.49             |
| - 2:29            | 64.0        | .483       | 469.14        | -2.92 | 466.22             |
| - 2:31            | 66.0        | .491       | 476.91        | -2.97 | 473.94             |
| - 2:35            | 70.0        | .499       | 484.68        | -3.02 | 481.66             |
| - 2:38            | 73.0        | .505       | 490.50        | -3.05 | 487.45             |
| - 2:41            | 76.0        | .509       | 494.39        | -3.08 | 491.31             |
| - 2:44            | 79.0        | .515       | 500.22        | -3.11 | 497.10             |
| - 2:46            | 81.0        | .518       | 503.13        | -3.13 | 500.00             |
| - 2:49            | 84.0        | .523       | 507.99        | -3.16 | 504.83             |
| - 2:52            | 87.0        | .526       | 510.90        | -3.18 | 507.72             |
| - 2:55            | 90.0        | .528       | 512.84        | -3.19 | 509.65             |
| - 2:58            | 93.0        | .531       | 515.76        | -3.21 | 512.55             |
| - 3:01            | 96.0        | .533       | 517.70        | -3.22 | 514.48             |
| - 3:05            | 100.0       | .536       | 520.62        | -3.24 | 517.37             |
| -3:06 2ND SHUT-IN | 0.0         | .536       | 520.62        | -3.24 | 517.37             |
| -2ND HYDROSTATIC  | 0.0         | 2.290      | 2224.29       | -3.49 | 2220.81            |

LOCATION : 5-30S-13W

DATE : 7-13-1991

GAUGE # : 13214



SUPERIOR TESTERS ENTERPRISES INC.

HORNER ANALYSIS

COMPANY : F.G.HOLL COMPANY  
 WELL NAME : V.LAMBERT#1-5  
 LOCATION : 5-30S-13W  
 STATE & COUNTY : KANSAS ,BARBER  
 DATE OF TEST : 7-13-1991  
 TEST INT. KB : 4482 to 4510  
 TOTAL INTERVAL (ft) K.B. : 28.00  
 ELEV.(GR) : 1909 (KB) : 1918  
 FIELD :

ELEMENT SERIAL NO. : 13214  
 LATEST CALIBRATION :

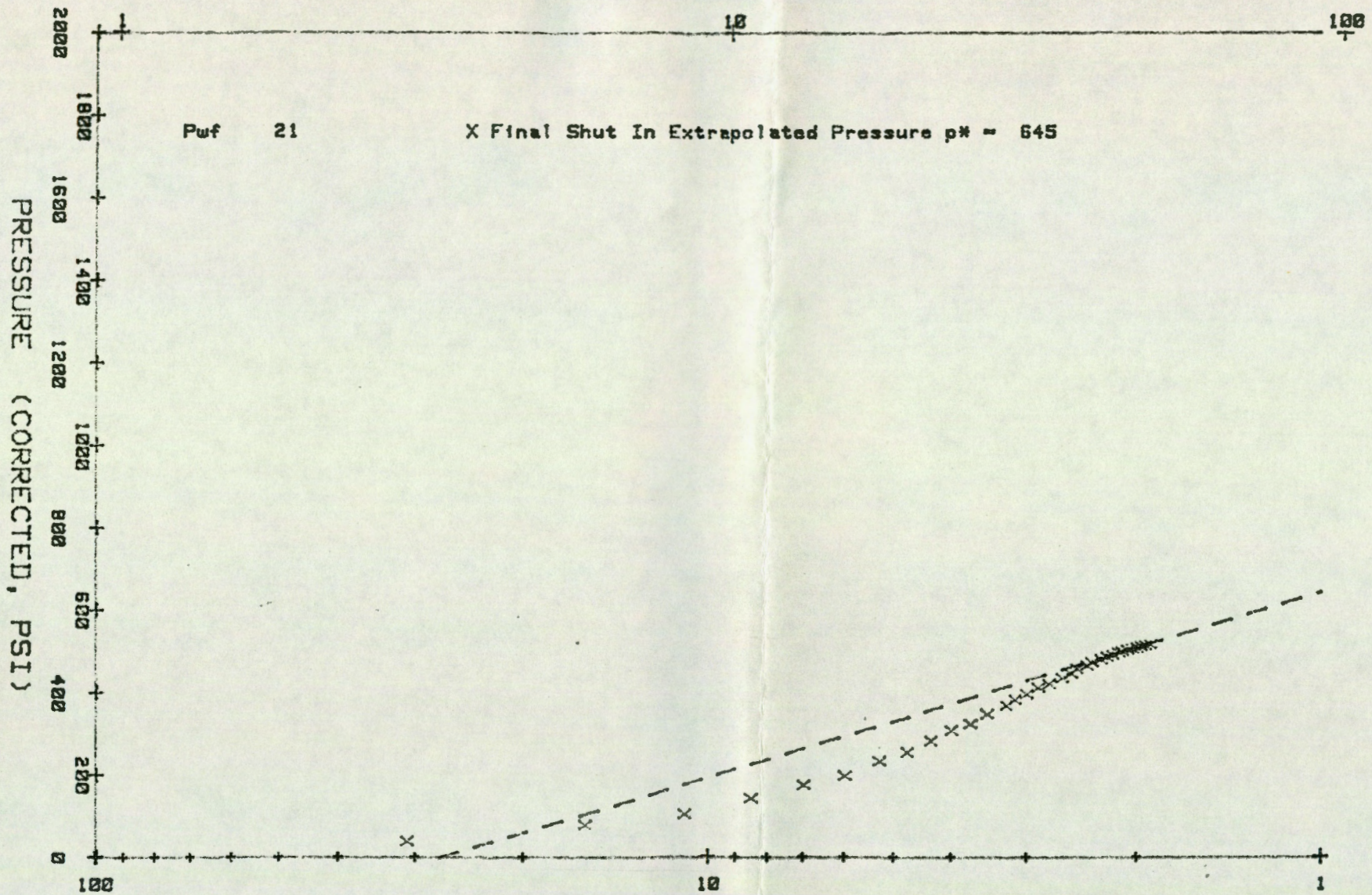
| COMMENTS           | TIME<br>min  | (T+dt)/dt<br>min | ----- PRESSURES -----<br>CORR PSIG |
|--------------------|--------------|------------------|------------------------------------|
| Refer. depth :     | 4504.0 ft-kb |                  |                                    |
| -11:30 END FLOW    | 0.00         | 0.00             | 18.34                              |
|                    | 3.00         | 11.00            | 32.82                              |
|                    | 6.00         | 6.00             | 58.88                              |
|                    | 10.00        | 4.00             | 90.73                              |
|                    | 12.00        | 3.50             | 114.86                             |
|                    | 15.00        | 3.00             | 133.20                             |
|                    | 18.00        | 2.67             | 159.27                             |
|                    | 21.00        | 2.43             | 182.43                             |
|                    | 24.00        | 2.25             | 200.77                             |
|                    | 27.00        | 2.11             | 220.08                             |
|                    | 30.00        | 2.00             | 237.45                             |
|                    | 33.00        | 1.91             | 256.76                             |
|                    | 36.00        | 1.83             | 268.34                             |
|                    | 39.00        | 1.77             | 279.92                             |
|                    | 42.00        | 1.71             | 289.58                             |
|                    | 45.00        | 1.67             | 302.12                             |
|                    | 48.00        | 1.63             | 311.78                             |
|                    | 51.00        | 1.59             | 319.50                             |
|                    | 54.00        | 1.56             | 326.25                             |
|                    | 55.00        | 1.55             | 329.15                             |
| -12:25 1ST SHUT-IN | 0.00         | 0.00             | 329.15                             |

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

LOCATION : 5-30S-13W

DATE : 7-13-1991

GAUGE # : 13214



TIME (MINUTES) : (T+dt)/dt - (Semilog scale)

# SUPERIOR TESTERS ENTERPRISES INC.

## HORNER ANALYSIS

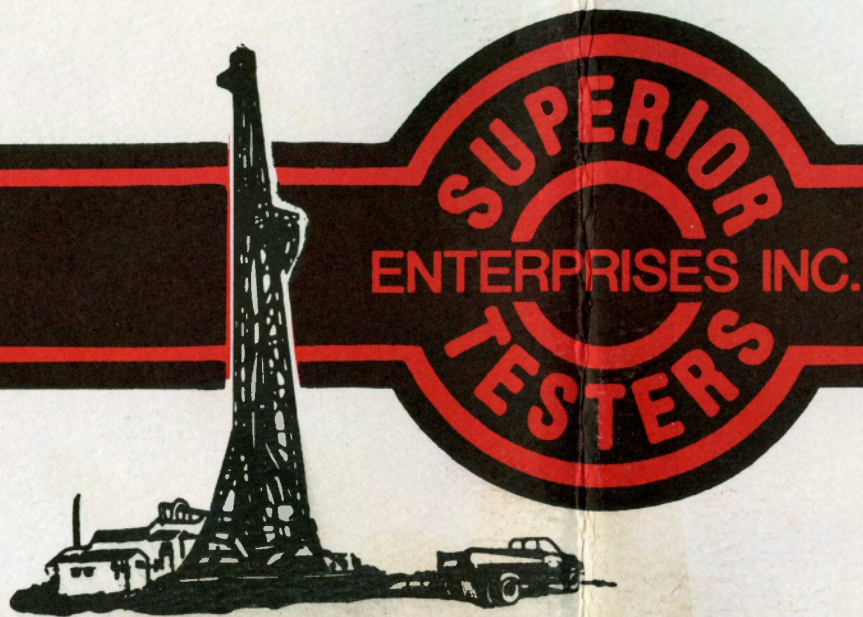
COMPANY : F.G.HOLL COMPANY  
 WELL NAME : V.LAMBERT#1-5  
 LOCATION : 5-30S-13W  
 STATE & COUNTY : KANSAS ,BARBER  
 DATE OF TEST : 7-13-1991  
 TEST INT. KB : 4482 to 4510  
 TOTAL INTERVAL (ft) K.B. : 28.00  
 ELEV.(GR) : 1909 (KB) : 1918  
 FIELD :

ELEMENT SERIAL NO. : 13214  
 LATEST CALIBRATION :

| COMMENTS       | TIME<br>min  | (T+dt)/dt<br>min | -----<br>PRESSURES<br>CORR PSIG |
|----------------|--------------|------------------|---------------------------------|
| Refer. depth : | 4504.0 ft-kb |                  |                                 |
| -1:25 END FLOW | 0.00         | 0.00             | 21.24                           |
|                | 3.00         | 31.00            | 39.58                           |
|                | 6.00         | 16.00            | 79.15                           |
|                | 9.00         | 11.00            | 105.21                          |
|                | 12.00        | 8.50             | 144.79                          |
|                | 15.00        | 7.00             | 176.64                          |
|                | 18.00        | 6.00             | 198.84                          |
|                | 21.00        | 5.29             | 234.56                          |
|                | 24.00        | 4.75             | 256.76                          |
|                | 27.00        | 4.33             | 284.75                          |
|                | 30.00        | 4.00             | 309.85                          |
|                | 33.00        | 3.73             | 325.29                          |
|                | 36.00        | 3.50             | 349.42                          |
|                | 40.00        | 3.25             | 369.69                          |
|                | 42.00        | 3.14             | 384.17                          |
|                | 45.00        | 3.00             | 397.68                          |
|                | 48.00        | 2.88             | 413.13                          |
|                | 51.00        | 2.76             | 421.81                          |
|                | 55.00        | 2.64             | 436.29                          |
|                | 58.00        | 2.55             | 446.91                          |
|                | 60.00        | 2.50             | 458.49                          |
|                | 64.00        | 2.41             | 466.22                          |
|                | 66.00        | 2.36             | 473.94                          |
|                | 70.00        | 2.29             | 481.66                          |
|                | 73.00        | 2.23             | 487.45                          |
|                | 76.00        | 2.18             | 491.31                          |
|                | 79.00        | 2.14             | 497.10                          |
|                | 81.00        | 2.11             | 500.00                          |
|                | 84.00        | 2.07             | 504.83                          |
|                | 87.00        | 2.03             | 507.72                          |

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

COMPANY F.G.Holl Company LEASE- WELL NO. V.Lambert#1-5 SEC 5 TWP 30s RGE. 13w TEST NO. 2 DATE 7-14-1991



# *Formation Testing Service Report*

# Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 7 14 91 Location 5 30s 13w Elevation 1918<sup>KB</sup> County BARBER

Company FG HOLL COMPANY Number of Copies 5

Charts Mailed to PO Box 780167 Wichita Ks

Drilling Contractor TRAN - PAC

Length Drill Pipe 4542 I.D. Drill Pipe 3 5/8 Tool Joint Size 4 1/2 x 11

Length Weight Pipe - I.D. Weight Pipe - Tool Joint Size -

Length Drill Collars - I.D. Drill Collars - Tool Joint Size -

Top Packer Depth 4552 Bottom Packer Depth 4557 Number of Packers Two Packer Size 6 1/2

TESTED FROM 4557 TO 4610 ANCHOR LENGTH 53 TOTAL DEPTH 4610 Hole Size 7 7/8

LEASE & WELL NO. V LAMBERT 1-5 FORMATION TESTED VIOLA TEST NO. 2

Mud Weight 95 Viscosity 48 Water Loss 124 Chlorides - Pits 1000 D.S.T. -

Maximum Temp. 119 °F Initial Hydrostatic Pressure (A) 2307 P.S.I. Final Hydrostatic Pressure (H) 2289 P.S.I.

Tool Open I.F.P. from 8 15 m to 8 45 m 30 min

Tool Closed I.C.I.P. from 8 45 m to 9 45 m 60 min

Tool Open F.F.P. from 9 45 m to 10 15 m 30 min

Tool Closed F.C.I.P. from 10 15 m to 11 15 m 60 min

Initial Blow WEAK BLOW 2" INTO WATER Decreasing Died off Top 21"

Final Blow WEAK BLOW 2" INTO WATER Decreasing Died off Top 11"

Total Feet Recovered 90' Drilling mud show of oil on top of Tool Gravity of Oil - Corrected

| Feet of | % Gas | % Oil | % Mud | % Water |
|---------|-------|-------|-------|---------|
| _____   | _____ | _____ | _____ | _____   |
| _____   | _____ | _____ | _____ | _____   |
| _____   | _____ | _____ | _____ | _____   |
| _____   | _____ | _____ | _____ | _____   |
| _____   | _____ | _____ | _____ | _____   |
| _____   | _____ | _____ | _____ | _____   |
| _____   | _____ | _____ | _____ | _____   |
| _____   | _____ | _____ | _____ | _____   |
| _____   | _____ | _____ | _____ | _____   |
| _____   | _____ | _____ | _____ | _____   |

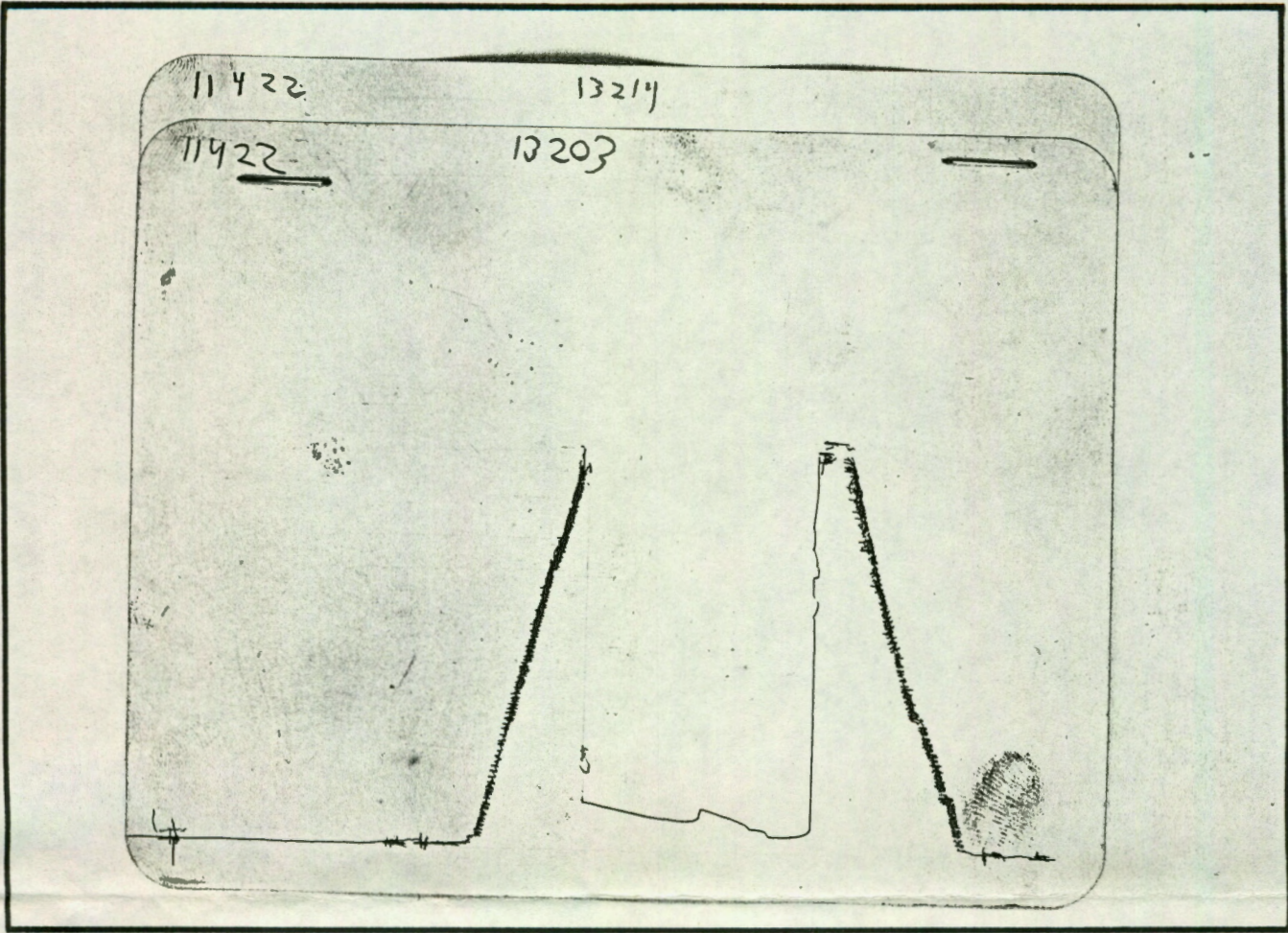
Remarks \_\_\_\_\_

Extra Equipment - Jars - Safety Joint - Extra Packer - Straddle - Hook Wall -  
Top Recorder No. 13203 Clock No. 17577 Depth 4604 Cir. Sub - Sampler -  
Bottom Recorder No. 13214 Clock No. 23937 Depth 4607 Insurance -

Price of Job \_\_\_\_\_  
Tool Operator PAT STEVENSON  
Approved By \_\_\_\_\_

No 11422

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



This is an actual photograph of recorder chart.

| POINT                                  | PRESSURE      |                |        |
|--|---------------|----------------|--------|
|  | FIELD READING | OFFICE READING |        |
| (A) Initial Hydrostatic Mud .....      | 2303          | 2255           | P.S.I. |
| (B) First Initial Flow Pressure .....  | 86            | 50             | P.S.I. |
| (C) First Final Flow Pressure .....    | 96            | 20             | P.S.I. |
| (D) Initial Closed-in Pressure .....   | 231           | 174            | P.S.I. |
| (E) Second Initial Flow Pressure ..... | 154           | 174            | P.S.I. |
| (F) Second Final Flow Pressure .....   | 164           | 110            | P.S.I. |
| (G) Final Closed-in Pressure .....     | 231           | 197            | P.S.I. |
| (H) Final Hydrostatic Mud .....        | 2289          | 2194           | P.S.I. |

# SUPERIOR TESTERS ENTERPRISES INC.

## WELL IDENTIFICATION DATA

COMPANY : F.G.HOLL COMPANY                      WELL NAME : V.LAMBERT#1-5  
ADDRESS : 6427 E.KELLOGG,WICHITA              LOCATION : 5-30S-13W  
STATE & COUNTY : KANSAS ,BARBER              FIELD :  
ELEV.(GR) : 1909              (KB) : 1918              TEST DATE : 7-14-1991

## EQUIPMENT AND HOLE DATA

FORMATION TESTED : VIOLA                      DRILL PIPE LENGTH(ft) : 4542  
TEST INT. KB : 4557              to 4610              DRILL PIPE O.D.(in) : 3.82  
ANCHOR LENGTH(ft) : 53              WEIGHT PIPE LENGTH(ft) :  
TYPE OF TEST : Conventional              WEIGHT PIPE ID : 2.75  
TOTAL DEPTH(ft-kb) : 4610              DRILL COLLAR LENGTH(ft) : 0  
MAIN HOLE SIZE(in) : 7 7/8              DRILL COLLAR I.D.(in) : 2.259  
MUD WEIGHT : 9.5              TOP PACKER DEPTH(kb) : 4552  
MUD VISCOSITY : 48              BOTTOM PACKER DEPTH(kb) : 4557  
MUD CHLORIDES : 6000              DUAL PACKERS :  
SURFACE CHOKE : 3/4              PACKER SIZE(in) : 6 3/4  
BOTTOM CHOKE(in) : 3/4              PACKER HOLD : Yes  
TOOL SIZE(O.D.) : 5 1/2              TOOL PLUG : No  
TOOL JOINT SIZE(F.H.) : 4 1/2              REVERSED OUT : No  
RESERVOIR TEMPERATURE(F) : 119              TEST TICKET NUMBER : 11422

EXTRA EQUIPMENT : -SAFETY JOINT

ELEMENT SERIAL NO. : 13203  
RANGE : 0 - 4425                      CLOCK RANGE : 12 HOURS  
CAL. EQU. : 1110.69 \* Defl. - 6.52

## SURFACE BLOW

1st Opening : WEAK BLOW DIED IN 21 MINUTES  
2nd Opening : WEAK BLOW DIED IN 11 MINUTES

## RECOVERY

Recovered 90 feet of DRILLING MUD WITH A SHOW OF OIL ON TOP

## REMARKS :

WITNESSED BY : BRENT REINHARDT                      TOOL OPERATOR : PAT STEVENSON

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : F.G.HOLL COMPANY  
 DATE OF TEST : 7-14-1991  
 DEPTH : 4604.0

WELL NAME : V.LAMBERT#1-5  
 LOCATION : 5-30S-13W  
 SERIAL NO. : 13203

| COMMENTS             | TIME<br>min | DEFL<br>in | PRESSURE PSIG |       |                    |
|----------------------|-------------|------------|---------------|-------|--------------------|
|                      |             |            | -----<br>CALC | CORR  | -----<br>CORRECTED |
| TEST NO.:2           |             |            |               |       |                    |
| Depth : 4604.0 ft-kb |             |            |               |       |                    |
| -1ST HYDROSTATIC     | 0.0         | 2.042      | 2261.50       | -5.94 | 2255.56            |
| -8:15 1ST FLOW       | 0.0         | .046       | 44.57         | 6.09  | 50.66              |
| - 8:20               | 5.0         | .036       | 33.46         | 6.19  | 39.65              |
| - 8:25               | 10.0        | .027       | 23.47         | 6.27  | 29.74              |
| - 8:30               | 15.0        | .020       | 15.69         | 6.34  | 22.03              |
| - 8:35               | 20.0        | .019       | 14.58         | 6.34  | 20.93              |
| - 8:40               | 25.0        | .019       | 14.58         | 6.34  | 20.93              |
| - 8:45               | 30.0        | .019       | 14.58         | 6.34  | 20.93              |
| -8:45 END FLOW       | 0.0         | .019       | 14.58         | 6.34  | 20.93              |
| - 8:50               | 5.0         | .046       | 44.57         | 6.09  | 50.66              |
| - 8:55               | 10.0        | .050       | 49.01         | 6.05  | 55.07              |
| - 9:00               | 15.0        | .052       | 51.23         | 6.04  | 57.27              |
| - 9:05               | 20.0        | .075       | 76.78         | 5.82  | 82.60              |
| - 9:10               | 25.0        | .091       | 94.55         | 5.67  | 100.22             |
| - 9:15               | 30.0        | .105       | 110.10        | 5.54  | 115.64             |
| - 9:20               | 35.0        | .114       | 120.10        | 5.45  | 125.55             |
| - 9:25               | 40.0        | .124       | 131.20        | 5.36  | 136.56             |
| - 9:30               | 45.0        | .134       | 142.31        | 5.27  | 147.58             |
| - 9:35               | 50.0        | .145       | 154.53        | 5.16  | 159.69             |
| - 9:39               | 54.0        | .151       | 161.19        | 5.11  | 166.30             |
| - 9:45               | 60.0        | .158       | 168.97        | 5.04  | 174.01             |
| -9:45 1ST SHUT-IN    | 0.0         | .158       | 168.97        | 5.04  | 174.01             |
| -9:45 2ND FLOW       | 0.0         | .097       | 101.21        | 5.61  | 106.83             |
| - 9:50               | 5.0         | .093       | 96.77         | 5.65  | 102.42             |
| - 9:55               | 10.0        | .093       | 96.77         | 5.65  | 102.42             |
| - 10:00              | 15.0        | .092       | 95.66         | 5.66  | 101.32             |
| - 10:05              | 20.0        | .094       | 97.88         | 5.64  | 103.52             |
| - 10:10              | 25.0        | .097       | 101.21        | 5.61  | 106.83             |
| - 10:15              | 30.0        | .100       | 104.55        | 5.59  | 110.13             |
| -10:15 END FLOW      | 0.0         | .100       | 104.55        | 5.59  | 110.13             |
| - 10:20              | 5.0         | .105       | 110.10        | 5.54  | 115.64             |
| - 10:25              | 10.0        | .110       | 115.65        | 5.49  | 121.15             |
| - 10:30              | 15.0        | .120       | 126.76        | 5.40  | 132.16             |
| - 10:35              | 20.0        | .126       | 133.42        | 5.34  | 138.77             |
| - 10:40              | 25.0        | .132       | 140.09        | 5.29  | 145.37             |
| - 10:45              | 30.0        | .138       | 146.75        | 5.23  | 151.98             |
| - 10:50              | 35.0        | .143       | 152.31        | 5.18  | 157.49             |
| - 10:55              | 40.0        | .152       | 162.30        | 5.10  | 167.40             |
| - 11:00              | 45.0        | .160       | 171.19        | 5.02  | 176.21             |
| - 11:05              | 50.0        | .169       | 181.18        | 4.94  | 186.12             |

P22P02  
SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS  
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COMPANY : F.G.HOLL COMPANY  
DATE OF TEST : 7-14-1991  
DEPTH : 4604.0

WELL NAME : V.LAMBERT#1-5  
LOCATION : 5-308-13W  
SERIAL NO. : 13203

| COMMENTS           | TIME<br>min | DEFL<br>in | ----- PRESSURE PSIG ----- |       |           |
|--------------------|-------------|------------|---------------------------|-------|-----------|
|                    |             |            | CALC                      | CORR  | CORRECTED |
| TEST NO.:2         |             |            |                           |       |           |
| - 11:10            | 55.0        | .175       | 187.85                    | 4.88  | 192.73    |
| - 11:15            | 60.0        | .179       | 192.29                    | 4.85  | 197.14    |
| -11:15 2ND SHUT-IN | 0.0         | .179       | 192.29                    | 4.85  | 197.14    |
| -2ND HYDROSTATIC   | 0.0         | 1.987      | 2200.41                   | -5.97 | 2194.44   |