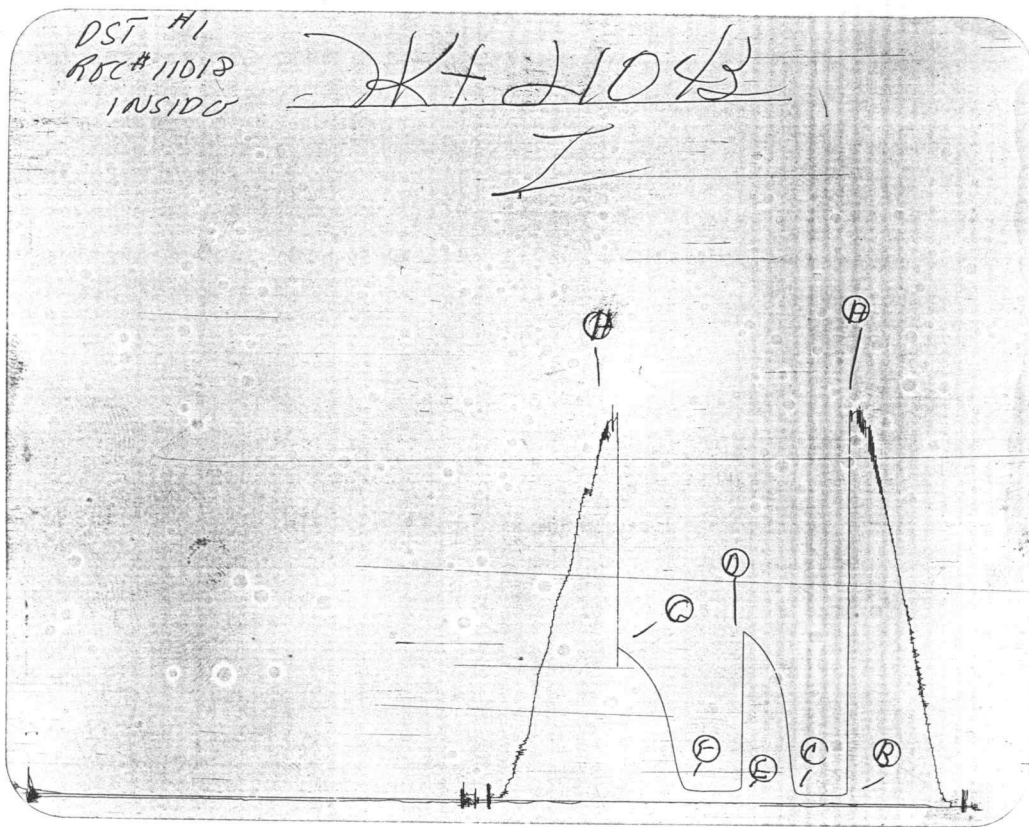
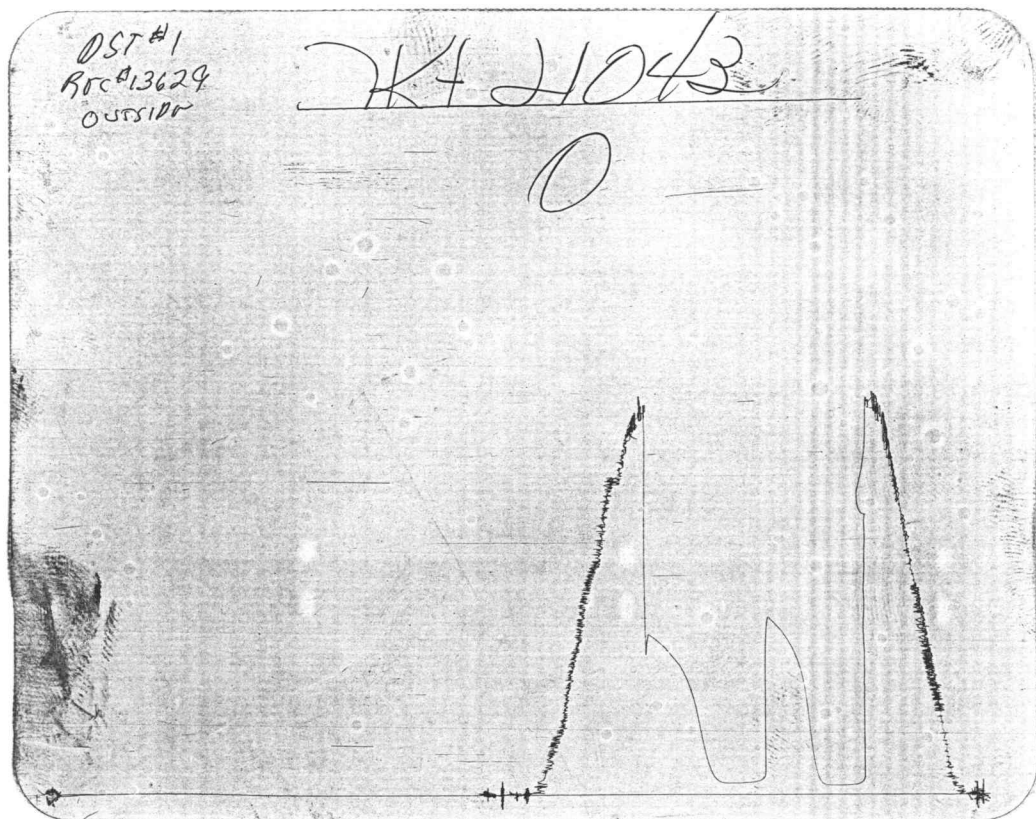




Inside Recorder



Outside Recorder

## DST REPORT

### GENERAL INFORMATION

DATE : 6-19-95  
CUSTOMER : THOROUGHbred ASSOCIATES  
WELL : #1-10 TEST: 1  
ELEVATION: 2420 KB  
SECTION : 10  
RANGE : 25W COUNTY: NESS  
GAUGE SN#: 11018 RANGE : 4425

TICKET : 21043  
LEASE : BECK  
GEOLOGIST: PATTON  
FORMATION: MISSISSIPPI  
TOWNSHIP : 20S  
STATE : KS  
CLOCK : 12

### WELL INFORMATION

PERFORATION INTERVAL FROM: 4435.00 ft TO: 4467.00 ft TVD: 4467.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 4438.0 ft 4464.0 ft  
TEMPERATURE: 120.0

|                      |           |                    |          |
|----------------------|-----------|--------------------|----------|
| DRILL COLLAR LENGTH: | 180.0 ft  | I.D.:              | 2.200 in |
| WEIGHT PIPE LENGTH : | 0.0 ft    | I.D.:              | 0.000 in |
| DRILL PIPE LENGTH :  | 4233.0 ft | I.D.:              | 3.800 in |
| TEST TOOL LENGTH :   | 22.0 ft   | TOOL SIZE :        | 5.500 in |
| ANCHOR LENGTH :      | 32.0 ft   | ANCHOR SIZE:       | 5.500 in |
| SURFACE CHOKE SIZE : | 0.750 in  | BOTTOM CHOKE SIZE: | 0.750 in |
| MAIN HOLE SIZE :     | 7.875 in  | TOOL JOINT SIZE :  | 4.5XH    |
| PACKER DEPTH:        | 4430.0 ft | SIZE:              | 6.630 in |
| PACKER DEPTH:        | 4435.0 ft | SIZE:              | 6.630 in |
| PACKER DEPTH:        | 0.0 ft    | SIZE:              | 0.000 in |
| PACKER DEPTH:        | 0.0 ft    | SIZE:              | 0.000 in |

### MUD INFORMATION

DRILLING CON. : PICKRELL #10  
MUD TYPE : CHEMICAL  
WEIGHT : 9.300 ppg  
CHLORIDES : 24000 ppm  
JARS-MAKE :  
DID WELL FLOW?: NO

VISCOSITY : 48.00 cp  
WATER LOSS: 10.400 cc

SERIAL NUMBER:  
REVERSED OUT?: NO

### COMMENTS

Comment

INITIAL FLOW PERIOD-WEAK BLOW 1/2 INCH.  
FINAL FLOW PERIOD-WEAK BLOW 1/4 INCH.

# DST REPORT (CONTINUED)

## FLUID RECOVERY

| Feet of Fluid | % Oil | % Gas | % Water | % Mud | Comments                |
|---------------|-------|-------|---------|-------|-------------------------|
| 15.0          | 100.0 | 0.0   | 0.0     | 0.0   | CLEAN GASSY OIL         |
| 0.0           | 0.0   | 0.0   | 0.0     | 0.0   | 37 GRAVITY @ 60 DEGREES |
| 60.0          | 35.0  | 0.0   | 0.0     | 65.0  | HEAVY OIL CUT MUD       |

## RATE INFORMATION

|               |            |                     |              |
|---------------|------------|---------------------|--------------|
| OIL VOLUME:   | 0.1692 STB | TOTAL FLOW TIME:    | 65.0000 min. |
| GAS VOLUME:   | 0.0000 SCF | AVERAGE OIL RATE:   | 7.8115 STB/D |
| MUD VOLUME:   | 0.1834 STB | AVERAGE WATER RATE: | 0.0000 STB/D |
| WATER VOLUME: | 0.0000 STB |                     |              |
| TOTAL FLUID : | 0.3526 STB |                     |              |

## FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2211.00

| Description     | Duration | p1    | p End  |
|-----------------|----------|-------|--------|
| INITIAL FLOW    | 30.00    | 40.00 | 56.00  |
| INITIAL SHUT-IN | 45.00    |       | 980.00 |
| FINAL FLOW      | 30.00    | 73.00 | 75.00  |
| FINAL SHUT-IN   | 60.00    |       | 876.00 |

FINAL HYDROSTATIC PRESSURE: 2186.00

## OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2261.00

| Description     | Duration | p1    | p End  |
|-----------------|----------|-------|--------|
| INITIAL FLOW    | 30.00    | 71.00 | 60.00  |
| INITIAL SHUT-IN | 48.00    |       | 995.00 |
| FINAL FLOW      | 35.00    | 80.00 | 80.00  |
| FINAL SHUT-IN   | 57.00    |       | 894.00 |

FINAL HYDROSTATIC PRESSURE: 2207.00

# PRESSURE TRANSIENT REPORT

## GENERAL INFORMATION

|                                    |                        |
|------------------------------------|------------------------|
| DATE : 6-19-95                     | TICKET : 21043         |
| CUSTOMER : THOROUGHbred ASSOCIATES | LEASE : BECK           |
| WELL : #1-10      TEST: 1          | GEOLOGIST: PATTON      |
| ELEVATION: 2420 KB                 | FORMATION: MISSISSIPPI |
| SECTION : 10                       | TOWNSHIP : 20S         |
| RANGE : 25W      COUNTY: NESS      | STATE : KS             |
| GAUGE SN#: 11018      RANGE : 4425 | CLOCK : 12             |

## INITIAL FLOW

| Time<br>(min) | Pressure | Delta P |
|---------------|----------|---------|
| 0.00          | 71.00    | 71.00   |
| 5.00          | 60.00    | -11.00  |
| 10.00         | 60.00    | 0.00    |
| 15.00         | 60.00    | 0.00    |
| 20.00         | 60.00    | 0.00    |
| 25.00         | 60.00    | 0.00    |
| 30.00         | 60.00    | 0.00    |

## INITIAL SHUT IN

| Time<br>(min) | Pressure | Delta P | Horner T |
|---------------|----------|---------|----------|
| 3.00          | 61.00    | 61.00   | 11.00    |
| 6.00          | 66.00    | 5.00    | 6.00     |
| 9.00          | 92.00    | 26.00   | 4.33     |
| 12.00         | 242.00   | 150.00  | 3.50     |
| 15.00         | 461.00   | 219.00  | 3.00     |
| 18.00         | 600.00   | 139.00  | 2.67     |
| 21.00         | 687.00   | 87.00   | 2.43     |
| 24.00         | 753.00   | 66.00   | 2.25     |
| 27.00         | 808.00   | 55.00   | 2.11     |
| 30.00         | 842.00   | 34.00   | 2.00     |
| 33.00         | 877.00   | 35.00   | 1.91     |
| 36.00         | 904.00   | 27.00   | 1.83     |
| 39.00         | 931.00   | 27.00   | 1.77     |
| 42.00         | 956.00   | 25.00   | 1.71     |
| 45.00         | 975.00   | 19.00   | 1.67     |
| 48.00         | 995.00   | 20.00   | 1.63     |

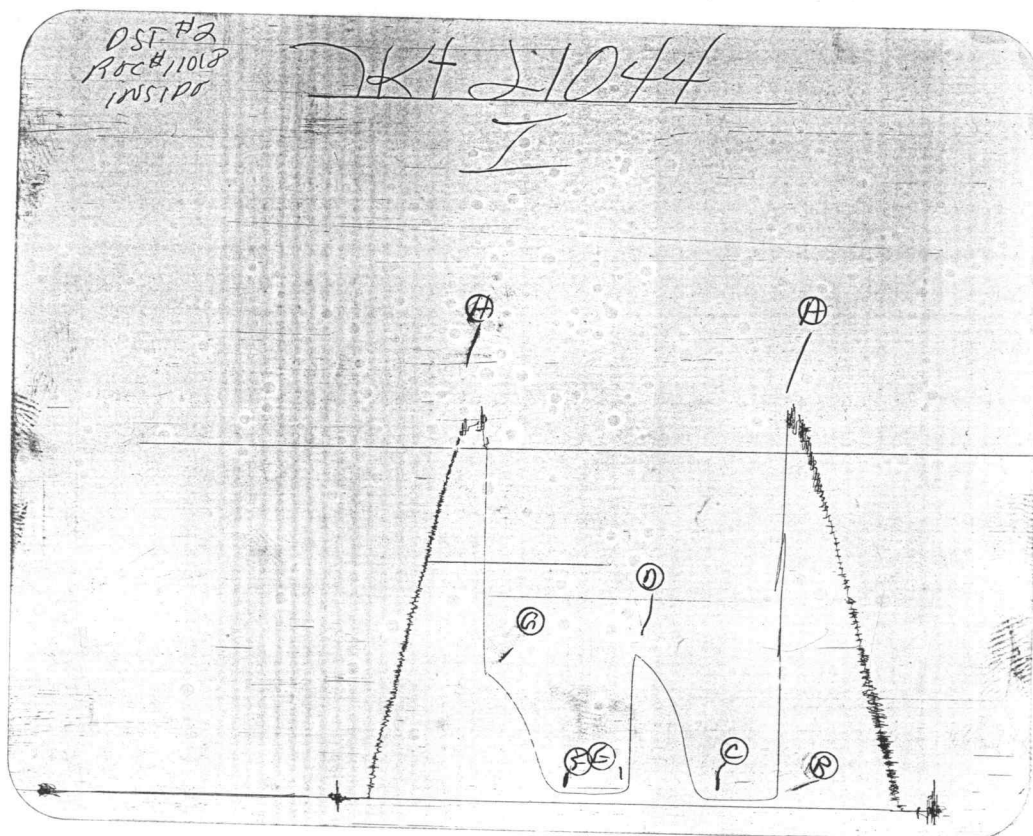
# PRESSURE TRANSIENT REPORT (CONTINUED)

## FINAL FLOW

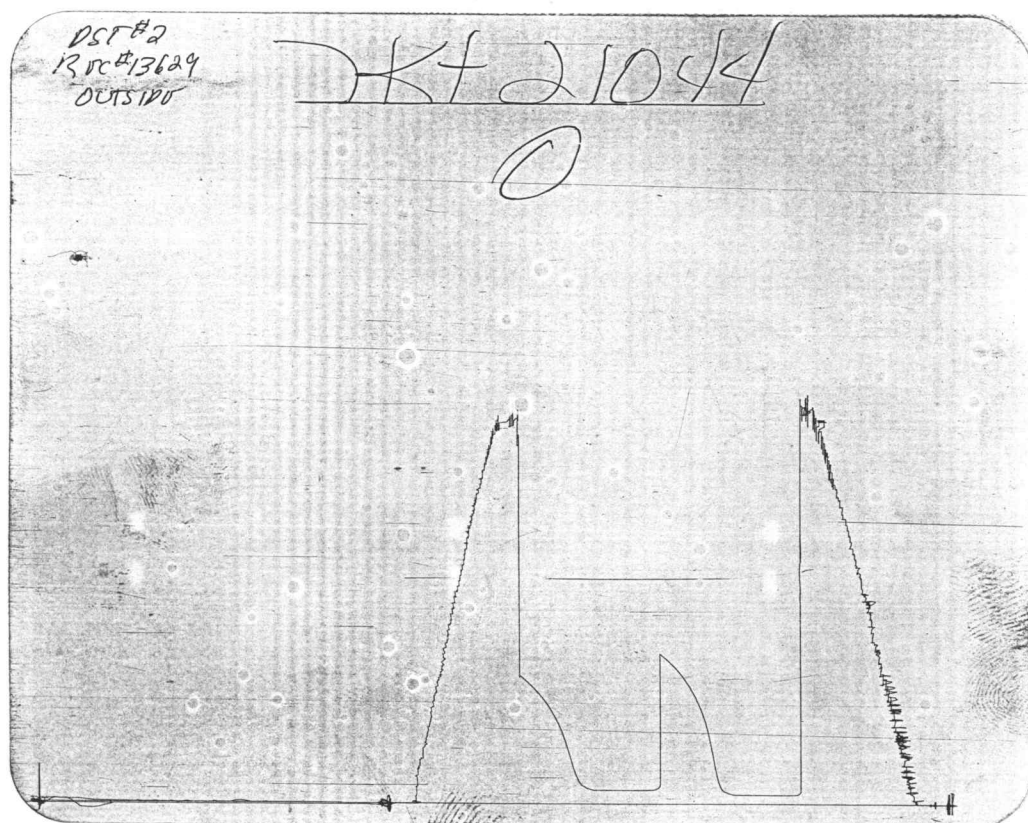
| Time<br>(min) | Pressure | Delta P |
|---------------|----------|---------|
| 0.00          | 80.00    | 80.00   |
| 5.00          | 80.00    | 0.00    |
| 10.00         | 80.00    | 0.00    |
| 15.00         | 80.00    | 0.00    |
| 20.00         | 80.00    | 0.00    |
| 25.00         | 80.00    | 0.00    |
| 30.00         | 80.00    | 0.00    |
| 35.00         | 80.00    | 0.00    |

## FINAL SHUT IN

| Time<br>(min) | Pressure | Delta P | Horner T |
|---------------|----------|---------|----------|
| 3.00          | 80.00    | 80.00   | 12.67    |
| 6.00          | 89.00    | 9.00    | 6.83     |
| 9.00          | 126.00   | 37.00   | 4.89     |
| 12.00         | 195.00   | 69.00   | 3.92     |
| 15.00         | 297.00   | 102.00  | 3.33     |
| 18.00         | 417.00   | 120.00  | 2.94     |
| 21.00         | 507.00   | 90.00   | 2.67     |
| 24.00         | 581.00   | 74.00   | 2.46     |
| 27.00         | 634.00   | 53.00   | 2.30     |
| 30.00         | 680.00   | 46.00   | 2.17     |
| 33.00         | 710.00   | 30.00   | 2.06     |
| 36.00         | 751.00   | 41.00   | 1.97     |
| 39.00         | 779.00   | 28.00   | 1.90     |
| 42.00         | 797.00   | 18.00   | 1.83     |
| 45.00         | 817.00   | 20.00   | 1.78     |
| 48.00         | 842.00   | 25.00   | 1.73     |
| 51.00         | 861.00   | 19.00   | 1.69     |
| 54.00         | 874.00   | 13.00   | 1.65     |
| 57.00         | 894.00   | 20.00   | 1.61     |



Inside Recorder



Outside Recorder



## DST REPORT

### GENERAL INFORMATION

|           |                           |              |                   |
|-----------|---------------------------|--------------|-------------------|
| DATE      | : 6-19-95                 | TICKET       | : 21044           |
| CUSTOMER  | : THOROUGHbred ASSOCIATES | LEASE        | : BECK            |
| WELL      | : #1-10                   | TEST: 2      | GEOLOGIST: PATTON |
| ELEVATION | : 2420 KB                 | FORMATION    | : MISSISSIPPI     |
| SECTION   | : 10                      | TOWNSHIP     | : 20S             |
| RANGE     | : 25W                     | COUNTY: NESS | STATE : KS        |
| GAUGE SN# | : 11018                   | RANGE : 4425 | CLOCK : 12        |

### WELL INFORMATION

|                            |            |                    |            |            |           |
|----------------------------|------------|--------------------|------------|------------|-----------|
| PERFORATION INTERVAL FROM: | 4463.00 ft | TO:                | 4472.00 ft | TVD:       | 4472.0 ft |
| DEPTH OF SELECTIVE ZONE:   |            |                    |            | TEST TYPE: | OIL       |
| DEPTH OF RECORDERS:        | 4466.0 ft  |                    | 4469.0 ft  |            |           |
| TEMPERATURE:               | 133.0      |                    |            |            |           |
| DRILL COLLAR LENGTH:       | 180.0 ft   | I.D.:              |            | 2.200 in   |           |
| WEIGHT PIPE LENGTH :       | 0.0 ft     | I.D.:              |            | 0.000 in   |           |
| DRILL PIPE LENGTH :        | 4261.0 ft  | I.D.:              |            | 3.800 in   |           |
| TEST TOOL LENGTH :         | 22.0 ft    | TOOL SIZE :        |            | 5.500 in   |           |
| ANCHOR LENGTH :            | 9.0 ft     | ANCHOR SIZE:       |            | 5.500 in   |           |
| SURFACE CHOKE SIZE :       | 0.750 in   | BOTTOM CHOKE SIZE: |            | 0.750 in   |           |
| MAIN HOLE SIZE :           | 7.875 in   | TOOL JOINT SIZE :  |            | 4.5XH      |           |
| PACKER DEPTH:              | 4458.0 ft  | SIZE:              |            | 6.630 in   |           |
| PACKER DEPTH:              | 4463.0 ft  | SIZE:              |            | 6.630 in   |           |
| PACKER DEPTH:              | 0.0 ft     | SIZE:              |            | 0.000 in   |           |
| PACKER DEPTH:              | 0.0 ft     | SIZE:              |            | 0.000 in   |           |

### MUD INFORMATION

|                 |              |                |          |
|-----------------|--------------|----------------|----------|
| DRILLING CON. : | PICKRELL #10 | VISCOSITY :    | 48.00 cp |
| MUD TYPE :      | CHEMICAL     | WATER LOSS:    | 9.600 cc |
| WEIGHT :        | 9.300 ppg    | SERIAL NUMBER: |          |
| CHLORIDES :     | 18000 ppm    | REVERSED OUT?: | NO       |
| JARS-MAKE :     |              |                |          |
| DID WELL FLOW?: | NO           |                |          |

### COMMENTS

#### Comment

INITIAL FLOW PERIOD-WEAK BLOW (SLOW BUILD  
THROUGHOUT TO 2 INCHES AT END. FINAL FLOW PERIOD  
WEAK BLOW (SLOW BUILD THROUGHOUT TO 1 1/2 INCH AT

# DST REPORT (CONTINUED)

## COMMENTS (CONTINUED)

Comment

END.

## FLUID RECOVERY

| Feet of Fluid | % Oil | % Gas | % Water | % Mud | Comments              |
|---------------|-------|-------|---------|-------|-----------------------|
| 0.0           | 0.0   | 0.0   | 0.0     | 0.0   | 60FT GAS ABOVE FLUID  |
| 50.0          | 100.0 | 0.0   | 0.0     | 0.0   | CLEAN OIL (37 GRAVITY |
| 0.0           | 0.0   | 0.0   | 0.0     | 0.0   | @ 60 DEGREES)         |
| 60.0          | 10.0  | 0.0   | 0.0     | 90.0  | SLIGHT OIL CUT MUD    |

## RATE INFORMATION

|               |        |     |                     |         |       |
|---------------|--------|-----|---------------------|---------|-------|
| OIL VOLUME:   | 0.2633 | STB | TOTAL FLOW TIME:    | 90.0000 | min.  |
| GAS VOLUME:   | 0.0000 | SCF | AVERAGE OIL RATE:   | 8.2744  | STB/D |
| MUD VOLUME:   | 0.2539 | STB | AVERAGE WATER RATE: | 0.0000  | STB/D |
| WATER VOLUME: | 0.0000 | STB |                     |         |       |
| TOTAL FLUID : | 0.5171 | STB |                     |         |       |

## FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2122.00

| Description     | Duration | p1    | p End  |
|-----------------|----------|-------|--------|
| INITIAL FLOW    | 45.00    | 26.00 | 33.00  |
| INITIAL SHUT-IN | 60.00    |       | 842.00 |
| FINAL FLOW      | 45.00    | 33.00 | 54.00  |
| FINAL SHUT-IN   | 60.00    |       | 721.00 |

FINAL HYDROSTATIC PRESSURE: 2100.00



DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2219.00

| Description     | Duration | p1    | p End  |
|-----------------|----------|-------|--------|
| INITIAL FLOW    | 45.00    | 53.00 | 44.00  |
| INITIAL SHUT-IN | 63.00    |       | 863.00 |
| FINAL FLOW      | 45.00    | 75.00 | 58.00  |
| FINAL SHUT-IN   | 63.00    |       | 740.00 |

FINAL HYDROSTATIC PRESSURE: 2153.00

# PRESSURE TRANSIENT REPORT

## GENERAL INFORMATION

|                                    |                        |
|------------------------------------|------------------------|
| DATE : 6-19-95                     | TICKET : 21044         |
| CUSTOMER : THOROUGHbred ASSOCIATES | LEASE : BECK           |
| WELL : #1-10 TEST: 2               | GEOLOGIST: PATTON      |
| ELEVATION: 2420 KB                 | FORMATION: MISSISSIPPI |
| SECTION : 10                       | TOWNSHIP : 20S         |
| RANGE : 25W COUNTY: NESS           | STATE : KS             |
| GAUGE SN#: 11018 RANGE : 4425      | CLOCK : 12             |

## INITIAL FLOW

| Time<br>(min) | Pressure | Delta P |
|---------------|----------|---------|
| 0.00          | 53.00    | 53.00   |
| 5.00          | 53.00    | 0.00    |
| 10.00         | 48.00    | -5.00   |
| 15.00         | 46.00    | -2.00   |
| 20.00         | 44.00    | -2.00   |
| 25.00         | 44.00    | 0.00    |
| 30.00         | 44.00    | 0.00    |
| 35.00         | 44.00    | 0.00    |
| 40.00         | 44.00    | 0.00    |
| 45.00         | 44.00    | 0.00    |

## INITIAL SHUT IN

| Time<br>(min) | Pressure | Delta P | Horner T |
|---------------|----------|---------|----------|
| 3.00          | 44.00    | 44.00   | 16.00    |
| 6.00          | 44.00    | 0.00    | 8.50     |
| 9.00          | 46.00    | 2.00    | 6.00     |
| 12.00         | 57.00    | 11.00   | 4.75     |
| 15.00         | 77.00    | 20.00   | 4.00     |
| 18.00         | 131.00   | 54.00   | 3.50     |
| 21.00         | 198.00   | 67.00   | 3.14     |
| 24.00         | 299.00   | 101.00  | 2.88     |
| 27.00         | 415.00   | 116.00  | 2.67     |
| 30.00         | 491.00   | 76.00   | 2.50     |
| 33.00         | 550.00   | 59.00   | 2.36     |
| 36.00         | 600.00   | 50.00   | 2.25     |
| 39.00         | 642.00   | 42.00   | 2.15     |
| 42.00         | 683.00   | 41.00   | 2.07     |
| 45.00         | 721.00   | 38.00   | 2.00     |
| 48.00         | 750.00   | 29.00   | 1.94     |

# PRESSURE TRANSIENT REPORT (CONTINUED)

## INITIAL SHUT IN (CONTINUED)

| Time<br>(min) | Pressure | Delta P | Horner T |
|---------------|----------|---------|----------|
| 51.00         | 776.00   | 26.00   | 1.88     |
| 54.00         | 801.00   | 25.00   | 1.83     |
| 57.00         | 823.00   | 22.00   | 1.79     |
| 60.00         | 843.00   | 20.00   | 1.75     |
| 63.00         | 863.00   | 20.00   | 1.71     |

## FINAL FLOW

| Time<br>(min) | Pressure | Delta P |
|---------------|----------|---------|
| 0.00          | 75.00    | 75.00   |
| 5.00          | 75.00    | 0.00    |
| 10.00         | 64.00    | -11.00  |
| 15.00         | 61.00    | -3.00   |
| 20.00         | 59.00    | -2.00   |
| 25.00         | 58.00    | -1.00   |
| 30.00         | 58.00    | 0.00    |
| 35.00         | 58.00    | 0.00    |
| 40.00         | 58.00    | 0.00    |
| 45.00         | 58.00    | 0.00    |

## FINAL SHUT IN

| Time<br>(min) | Pressure | Delta P | Horner T |
|---------------|----------|---------|----------|
| 3.00          | 62.00    | 62.00   | 16.00    |
| 6.00          | 65.00    | 3.00    | 8.50     |
| 9.00          | 70.00    | 5.00    | 6.00     |
| 12.00         | 86.00    | 16.00   | 4.75     |
| 15.00         | 109.00   | 23.00   | 4.00     |
| 18.00         | 152.00   | 43.00   | 3.50     |
| 21.00         | 210.00   | 58.00   | 3.14     |
| 24.00         | 277.00   | 67.00   | 2.88     |
| 27.00         | 343.00   | 66.00   | 2.67     |
| 30.00         | 408.00   | 65.00   | 2.50     |
| 33.00         | 458.00   | 50.00   | 2.36     |
| 36.00         | 498.00   | 40.00   | 2.25     |
| 39.00         | 539.00   | 41.00   | 2.15     |
| 42.00         | 573.00   | 34.00   | 2.07     |
| 45.00         | 608.00   | 35.00   | 2.00     |

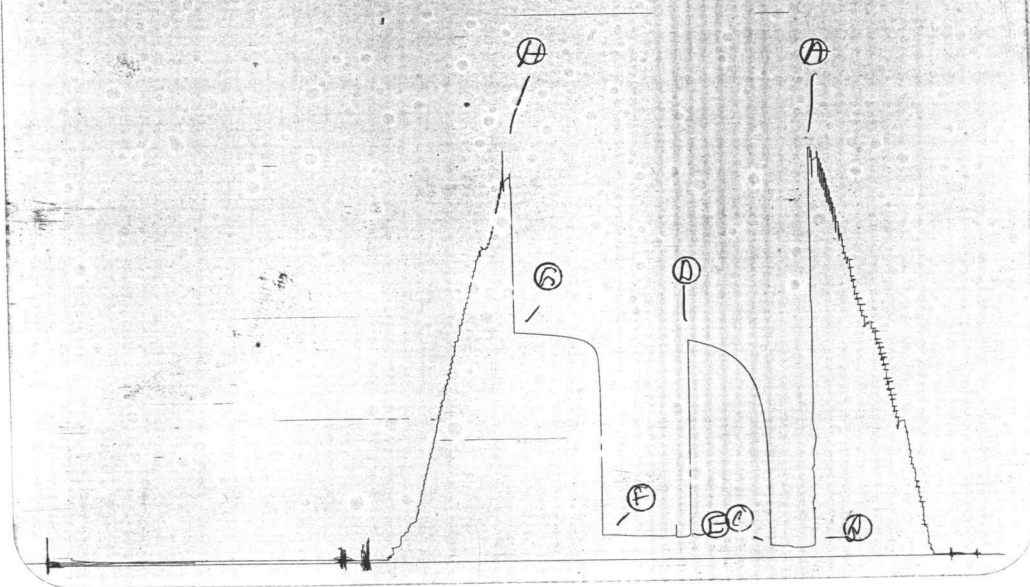
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

| <u>Time<br/>(min)</u> | <u>Pressure</u> | <u>Delta P</u> | <u>Horner T</u> |
|-----------------------|-----------------|----------------|-----------------|
| 48.00                 | 637.00          | 29.00          | 1.94            |
| 51.00                 | 663.00          | 26.00          | 1.88            |
| 54.00                 | 684.00          | 21.00          | 1.83            |
| 57.00                 | 706.00          | 22.00          | 1.79            |
| 60.00                 | 726.00          | 20.00          | 1.75            |
| 63.00                 | 740.00          | 14.00          | 1.71            |

DST #3  
 ROC #11015  
 INSIDE TOP

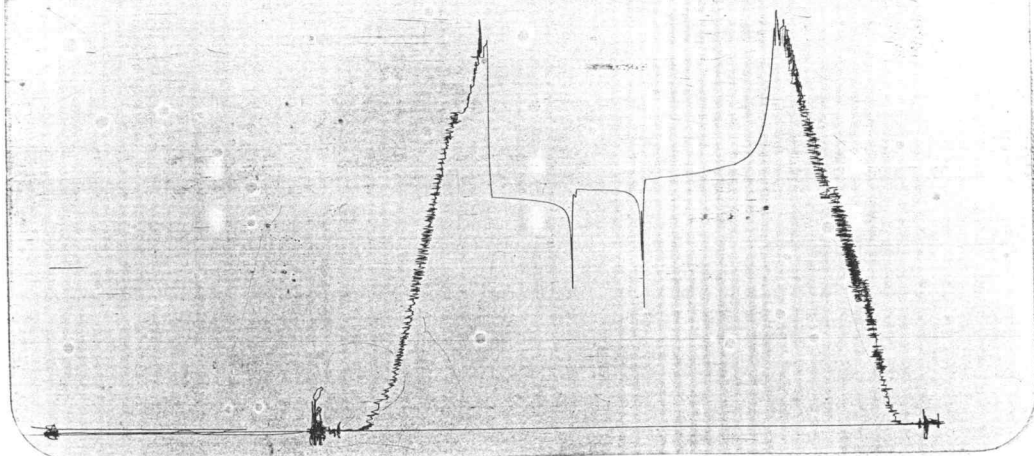
KT 21045  
 I



Inside Recorder

DST #3  
 ROC #2234  
 BELOW STRADDLE

KT 21045  
 Below Straddle



Outside Recorder

## DST REPORT

### GENERAL INFORMATION

DATE : 6-20-95  
CUSTOMER : THOROUGHbred ASSOCIATES  
WELL : #1-10 TEST: 3  
ELEVATION: 2420 KB  
SECTION : 10  
RANGE : 25W COUNTY: NESS  
GAUGE SN#: 11018 RANGE : 4425

TICKET : 21045  
LEASE : BECK  
GEOLOGIST: PATTON  
FORMATION: MISSISSIPPI  
TOWNSHIP : 20S  
STATE : KS  
CLOCK : 12

### WELL INFORMATION

PERFORATION INTERVAL FROM: 4475.00 ft TO: 4500.00 ft TVD: 4531.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 4478.0 ft 4490.0 ft  
TEMPERATURE: 136.0

|                      |           |                    |          |
|----------------------|-----------|--------------------|----------|
| DRILL COLLAR LENGTH: | 180.0 ft  | I.D.:              | 2.200 in |
| WEIGHT PIPE LENGTH : | 0.0 ft    | I.D.:              | 0.000 in |
| DRILL PIPE LENGTH :  | 4273.0 ft | I.D.:              | 3.800 in |
| TEST TOOL LENGTH :   | 22.0 ft   | TOOL SIZE :        | 5.500 in |
| ANCHOR LENGTH :      | 25.0 ft   | ANCHOR SIZE:       | 5.500 in |
| SURFACE CHOKE SIZE : | 0.750 in  | BOTTOM CHOKE SIZE: | 0.750 in |
| MAIN HOLE SIZE :     | 7.875 in  | TOOL JOINT SIZE :  | 4.5XH    |
| PACKER DEPTH:        | 4470.0 ft | SIZE:              | 6.630 in |
| PACKER DEPTH:        | 4475.0 ft | SIZE:              | 6.630 in |
| PACKER DEPTH:        | 0.0 ft    | SIZE:              | 0.000 in |
| PACKER DEPTH:        | 0.0 ft    | SIZE:              | 0.000 in |

### MUD INFORMATION

DRILLING CON. : PICKRELL #10  
MUD TYPE : CHEMICAL  
WEIGHT : 9.000 ppg  
CHLORIDES : 19000 ppm  
JARS-MAKE :  
DID WELL FLOW?: NO

VISCOSITY : 52.00 cp  
WATER LOSS: 10.000 cc

SERIAL NUMBER:  
REVERSED OUT?: NO

### COMMENTS

#### Comment

INITIAL FLOW PERIOD-WEAK BLOW-BUILDING THROUGHOUT  
TO 3 1/2 INCHES BY END. FINAL FLOW PERIOD-WEAK  
BLOW-BUILDING THROUGHOUT TO 2 INCHES BY END.

# DST REPORT (CONTINUED)

## COMMENTS (CONTINUED)

Comment

OUTSIDE RECORDER CLOCK STOPPED GOING INTO HOLE. NO CHART.

## FLUID RECOVERY

| Feet of Fluid | % Oil | % Gas | % Water | % Mud | Comments               |
|---------------|-------|-------|---------|-------|------------------------|
| 110.0         | 0.0   | 0.0   | 15.0    | 85.0  | SLIGHTLY WATER CUT MUD |
| 180.0         | 0.0   | 0.0   | 60.0    | 40.0  | MUDDY WATER            |
| 0.0           | 0.0   | 0.0   | 0.0     | 0.0   | CHLORIDES 12,000 PPM   |

## RATE INFORMATION

|               |            |                     |               |
|---------------|------------|---------------------|---------------|
| OIL VOLUME:   | 0.0000 STB |                     |               |
| GAS VOLUME:   | 0.0000 SCF |                     |               |
| MUD VOLUME:   | 1.6500 STB |                     |               |
| WATER VOLUME: | 0.7392 STB |                     |               |
| TOTAL FLUID : | 2.3891 STB |                     |               |
|               |            | TOTAL FLOW TIME:    | 95.0000 min.  |
|               |            | AVERAGE OIL RATE:   | 0.0000 STB/D  |
|               |            | AVERAGE WATER RATE: | 36.2144 STB/D |

## FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2230.00

| Description     | Duration | p1     | p End   |
|-----------------|----------|--------|---------|
| INITIAL FLOW    | 30.00    | 38.00  | 56.00   |
| INITIAL SHUT-IN | 60.00    |        | 1240.00 |
| FINAL FLOW      | 60.00    | 122.00 | 138.00  |
| FINAL SHUT-IN   | 60.00    |        | 1300.00 |

FINAL HYDROSTATIC PRESSURE: 2180.00



DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2282.00

| Description     | Duration | p1     | p End   |
|-----------------|----------|--------|---------|
| INITIAL FLOW    | 30.00    | 64.00  | 66.00   |
| INITIAL SHUT-IN | 60.00    |        | 1250.00 |
| FINAL FLOW      | 65.00    | 122.00 | 139.00  |
| FINAL SHUT-IN   | 63.00    |        | 1304.00 |

FINAL HYDROSTATIC PRESSURE: 2188.00

# PRESSURE TRANSIENT REPORT

## GENERAL INFORMATION

|           |                           |           |               |
|-----------|---------------------------|-----------|---------------|
| DATE      | : 6-20-95                 | TICKET    | : 21045       |
| CUSTOMER  | : THOROUGHbred ASSOCIATES | LEASE     | : BECK        |
| WELL      | : #1-10                   | TEST:     | 3             |
| ELEVATION | : 2420 KB                 | GEOLOGIST | : PATTON      |
| SECTION   | : 10                      | FORMATION | : MISSISSIPPI |
| RANGE     | : 25W                     | TOWNSHIP  | : 20S         |
|           | COUNTY: NESS              | STATE     | : KS          |
| GAUGE SN# | : 11018                   | RANGE     | : 4425        |
|           |                           | CLOCK     | : 12          |

## INITIAL FLOW

| Time<br>(min) | Pressure | Delta P |
|---------------|----------|---------|
| 0.00          | 64.00    | 64.00   |
| 5.00          | 56.00    | -8.00   |
| 10.00         | 53.00    | -3.00   |
| 15.00         | 55.00    | 2.00    |
| 20.00         | 63.00    | 8.00    |
| 25.00         | 63.00    | 0.00    |
| 30.00         | 66.00    | 3.00    |

## INITIAL SHUT IN

| Time<br>(min) | Pressure | Delta P | Horner T |
|---------------|----------|---------|----------|
| 3.00          | 762.00   | 762.00  | 0.00     |
| 6.00          | 883.00   | 121.00  | 0.00     |
| 9.00          | 968.00   | 85.00   | 0.00     |
| 12.00         | 1014.00  | 46.00   | 0.00     |
| 15.00         | 1058.00  | 44.00   | 0.00     |
| 18.00         | 1089.00  | 31.00   | 0.00     |
| 21.00         | 1114.00  | 25.00   | 0.00     |
| 24.00         | 1136.00  | 22.00   | 0.00     |
| 27.00         | 1153.00  | 17.00   | 0.00     |
| 30.00         | 1170.00  | 17.00   | 0.00     |
| 33.00         | 1182.00  | 12.00   | 0.00     |
| 36.00         | 1193.00  | 11.00   | 0.00     |
| 39.00         | 1203.00  | 10.00   | 0.00     |
| 42.00         | 1215.00  | 12.00   | 0.00     |
| 45.00         | 1222.00  | 7.00    | 0.00     |
| 48.00         | 1227.00  | 5.00    | 0.00     |
| 51.00         | 1232.00  | 5.00    | 0.00     |
| 54.00         | 1240.00  | 8.00    | 0.00     |
| 57.00         | 1245.00  | 5.00    | 0.00     |

# PRESSURE TRANSIENT REPORT (CONTINUED)

## INITIAL SHUT IN (CONTINUED)

| Time<br>(min) | Pressure | Delta P | Horner T |
|---------------|----------|---------|----------|
| 60.00         | 1250.00  | 5.00    | 0.00     |

## FINAL FLOW

| Time<br>(min) | Pressure | Delta P |
|---------------|----------|---------|
| 0.00          | 122.00   | 122.00  |
| 5.00          | 122.00   | 0.00    |
| 10.00         | 122.00   | 0.00    |
| 15.00         | 129.00   | 7.00    |
| 20.00         | 129.00   | 0.00    |
| 25.00         | 129.00   | 0.00    |
| 30.00         | 130.00   | 1.00    |
| 35.00         | 130.00   | 0.00    |
| 40.00         | 131.00   | 1.00    |
| 45.00         | 132.00   | 1.00    |
| 50.00         | 134.00   | 2.00    |
| 55.00         | 136.00   | 2.00    |
| 60.00         | 138.00   | 2.00    |
| 65.00         | 139.00   | 1.00    |

## FINAL SHUT IN

| Time<br>(min) | Pressure | Delta P | Horner T |
|---------------|----------|---------|----------|
| 3.00          | 1169.00  | 1169.00 | 0.00     |
| 6.00          | 1215.00  | 46.00   | 0.00     |
| 9.00          | 1236.00  | 21.00   | 0.00     |
| 12.00         | 1251.00  | 15.00   | 0.00     |
| 15.00         | 1260.00  | 9.00    | 0.00     |
| 18.00         | 1267.00  | 7.00    | 0.00     |
| 21.00         | 1271.00  | 4.00    | 0.00     |
| 24.00         | 1275.00  | 4.00    | 0.00     |
| 27.00         | 1280.00  | 5.00    | 0.00     |
| 30.00         | 1283.00  | 3.00    | 0.00     |
| 33.00         | 1286.00  | 3.00    | 0.00     |
| 36.00         | 1289.00  | 3.00    | 0.00     |
| 39.00         | 1291.00  | 2.00    | 0.00     |
| 42.00         | 1293.00  | 2.00    | 0.00     |
| 45.00         | 1295.00  | 2.00    | 0.00     |

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

| <u>Time<br/>(min)</u> | <u>Pressure</u> | <u>Delta P</u> | <u>Horner T</u> |
|-----------------------|-----------------|----------------|-----------------|
| 48.00                 | 1297.00         | 2.00           | 0.00            |
| 51.00                 | 1298.00         | 1.00           | 0.00            |
| 54.00                 | 1299.00         | 1.00           | 0.00            |
| 57.00                 | 1300.00         | 1.00           | 0.00            |
| 60.00                 | 1302.00         | 2.00           | 0.00            |
| 63.00                 | 1304.00         | 2.00           | 0.00            |