

DST REPORT

GENERAL INFORMATION

DATE : 4-02-95
CUSTOMER : OXY USA, INC.
WELL : #78 TEST: 1
ELEVATION: 1390 KB
SECTION : 28
RANGE : 5E COUNTY: BUTLER
GAUGE SN#: 10270 RANGE : 4150
TICKET : 20717
LEASE : BURLINGAME STOKES A
GEOLOGIST: GALE SCHROEDER
FORMATION: ARBUCKLE
TOWNSHIP : 25S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2468.00 ft TO: 2480.00 ft TVD: 2480.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 2472.0 ft 2475.0 ft
TEMPERATURE: 109.0
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 : 2268.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 12.0 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 : 4.5 X.H.
PACKER DEPTH: 2468.0 ft SIZE: 6.630 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : ALLEN DRLG. #3
MUD TYPE : CHEMICAL VISCOSITY : 44.00 cp
WEIGHT : 9.100 ppg WATER LOSS: 8.800 cc
CHLORIDES : 0 ppm
JARS-MAKE : W.T.C. SERIAL NUMBER: 422
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

VERY WEAK BLOW THROUGHOUT INITIAL FLOW PERIOD.
VERY WEAK BLOW THROUGHOUT FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

| Feet of Fluid | % Oil | % Gas | % Water | % Mud | Comments |
|------------------|----------|----------|------------|----------|---------------------|
| 1.0 | 100.0 | 0.0 | 0.0 | 0.0 | CLEAN OIL |
| 80.0 | 0.0 | 0.0 | 85.0 | 15.0 | MUDDY WATER |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | CHLORIDES 12000 PPM |

RATE INFORMATION

| | | | |
|---------------|------------|---------------------|---------------|
| OIL VOLUME: | 0.0047 STB | TOTAL FLOW TIME: | 45.0000 min. |
| GAS VOLUME: | 0.0000 SCF | AVERAGE OIL RATE: | 0.1504 STB/D |
| MUD VOLUME: | 0.0564 STB | AVERAGE WATER RATE: | 12.0355 STB/D |
| WATER VOLUME: | 0.3197 STB | | |
| TOTAL FLUID : | 0.3808 STB | | |

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1226.00

| Description | Duration | p1 | p End |
|-----------------|----------|-------|--------|
| INITIAL FLOW | 15.00 | 20.00 | 20.00 |
| INITIAL SHUT-IN | 30.00 | | 904.00 |
| FINAL FLOW | 30.00 | 31.00 | 41.00 |
| FINAL SHUT-IN | 60.00 | | 904.00 |

FINAL HYDROSTATIC PRESSURE: 1184.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1244.00

| Description | Duration | p1 | p End |
|-----------------|----------|-------|--------|
| INITIAL FLOW | 15.00 | 31.00 | 33.00 |
| INITIAL SHUT-IN | 30.00 | | 917.00 |
| FINAL FLOW | 30.00 | 54.00 | 50.00 |
| FINAL SHUT-IN | 60.00 | | 917.00 |

FINAL HYDROSTATIC PRESSURE: 1197.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

| | | | |
|-----------|-----------------|----------------|---------------------------|
| DATE | : 4-02-95 | TICKET | : 20717 |
| CUSTOMER | : OXY USA, INC. | LEASE | : BURLINGAME STOKES A |
| WELL | : #78 | TEST: 1 | GEOLOGIST: GALE SCHROEDER |
| ELEVATION | : 1390 KB | FORMATION | : ARBUCKLE |
| SECTION | : 28 | TOWNSHIP | : 25S |
| RANGE | : 5E | COUNTY: BUTLER | STATE : KS |
| GAUGE SN# | : 10270 | RANGE : 4150 | CLOCK : 12 |

INITIAL FLOW

| <u>Time (min)</u> | <u>Pressure</u> | <u>Delta P</u> |
|-----------------------|-----------------|----------------|
| 0.00 | 31.00 | 31.00 |
| 5.00 | 25.00 | -6.00 |
| 10.00 | 27.00 | 2.00 |
| 15.00 | 33.00 | 6.00 |

INITIAL SHUT IN

| <u>Time (min)</u> | <u>Pressure</u> | <u>Delta P</u> | <u>Horner T</u> |
|-----------------------|-----------------|----------------|-----------------|
| 3.00 | 863.00 | 863.00 | 6.00 |
| 6.00 | 892.00 | 29.00 | 3.50 |
| 9.00 | 902.00 | 10.00 | 2.67 |
| 12.00 | 907.00 | 5.00 | 2.25 |
| 15.00 | 911.00 | 4.00 | 2.00 |
| 18.00 | 915.00 | 4.00 | 1.83 |
| 21.00 | 916.00 | 1.00 | 1.71 |
| 24.00 | 916.00 | 0.00 | 1.63 |
| 27.00 | 917.00 | 1.00 | 1.56 |
| 30.00 | 917.00 | 0.00 | 1.50 |

FINAL FLOW

| <u>Time (min)</u> | <u>Pressure</u> | <u>Delta P</u> |
|-----------------------|-----------------|----------------|
| 0.00 | 54.00 | 54.00 |
| 5.00 | 44.00 | -10.00 |
| 10.00 | 46.00 | 2.00 |
| 15.00 | 47.00 | 1.00 |

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

| Time (min) | Pressure | Delta P |
|---------------|----------|---------|
| 20.00 | 48.00 | 1.00 |
| 25.00 | 49.00 | 1.00 |
| 30.00 | 50.00 | 1.00 |

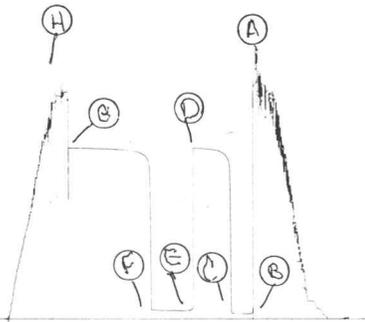
FINAL SHUT IN

| Time (min) | Pressure | Delta P | Horner T |
|---------------|----------|---------|----------|
| 3.00 | 846.00 | 846.00 | 11.00 |
| 6.00 | 882.00 | 36.00 | 6.00 |
| 9.00 | 894.00 | 12.00 | 4.33 |
| 12.00 | 900.00 | 6.00 | 3.50 |
| 15.00 | 905.00 | 5.00 | 3.00 |
| 18.00 | 907.00 | 2.00 | 2.67 |
| 21.00 | 908.00 | 1.00 | 2.43 |
| 24.00 | 909.00 | 1.00 | 2.25 |
| 27.00 | 910.00 | 1.00 | 2.11 |
| 30.00 | 911.00 | 1.00 | 2.00 |
| 33.00 | 912.00 | 1.00 | 1.91 |
| 36.00 | 913.00 | 1.00 | 1.83 |
| 39.00 | 914.00 | 1.00 | 1.77 |
| 42.00 | 914.00 | 0.00 | 1.71 |
| 45.00 | 915.00 | 1.00 | 1.67 |
| 48.00 | 915.00 | 0.00 | 1.63 |
| 51.00 | 916.00 | 1.00 | 1.59 |
| 54.00 | 916.00 | 0.00 | 1.56 |
| 57.00 | 917.00 | 1.00 | 1.53 |
| 60.00 | 917.00 | 0.00 | 1.50 |

TK#20417

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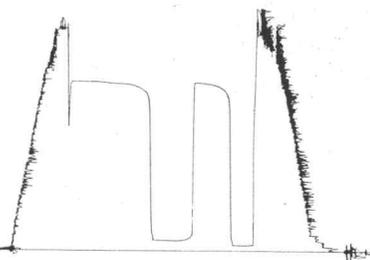


Inside Recorder

TK#20417

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Outside Recorder

DST REPORT

GENERAL INFORMATION

| | | | |
|-----------|-----------------|----------------|---------------------------|
| DATE | : 4-03-95 | TICKET | : 20718 |
| CUSTOMER | : OXY USA, INC. | LEASE | : BURLINGAME STOKES A |
| WELL | : #78 | TEST: 2 | GEOLOGIST: GALE SCHROEDER |
| ELEVATION | : 1390 KB | FORMATION | : ARBUCKLE |
| SECTION | : 28 | TOWNSHIP | : 25S |
| RANGE | : 5E | COUNTY: BUTLER | STATE : KS |
| GAUGE SN# | : 10270 | RANGE : 4150 | CLOCK : 12 |

WELL INFORMATION

| | | | | | |
|----------------------------|------------|--------------------|------------|------------|-----------|
| PERFORATION INTERVAL FROM: | 2480.00 ft | TO: | 2505.00 ft | TVD: | 2505.0 ft |
| DEPTH OF SELECTIVE ZONE: | | | | TEST TYPE: | OIL |
| DEPTH OF RECORDERS: | 2497.0 ft | | 2500.0 ft | | |
| TEMPERATURE: | 109.0 | | | | |
| 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 : | 2280.0 ft | I.D.: | | 3.800 in | |
| TEST TOOL LENGTH : | 20.0 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 : | | 4.5 X.H. | |
| PACKER DEPTH: | 2480.0 ft | SIZE: | | 6.630 in | |
| PACKER DEPTH: | 0.0 ft | SIZE: | | 0.000 in | |
| PACKER DEPTH: | 0.0 ft | SIZE: | | 0.000 in | |
| PACKER DEPTH: | 0.0 ft | SIZE: | | 0.000 in | |

MUD INFORMATION

| | | | |
|-----------------|----------------|----------------|----------|
| DRILLING CON. : | ALLEN DRLG. #3 | VISCOSITY : | 46.00 cp |
| MUD TYPE : | CHEMICAL | WATER LOSS: | 9.000 cc |
| WEIGHT : | 9.300 ppg | SERIAL NUMBER: | 422 |
| CHLORIDES : | 0 ppm | REVERSED OUT?: | NO |
| JARS-MAKE : | W.T.C. | | |
| DID WELL FLOW?: | NO | | |

COMMENTS

Comment

WEAK BUILDING TO A GOOD BLOW .5" TO 6" BLOW ON INITIAL FLOW PERIOD. GOOD BUILDING TO A STRONG BLOW IN 10 MINUTES 7" TO BOTTOM OF BUCKET ON

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

FINAL FLOW PERIOD.

FLUID RECOVERY

| Feet of Fluid | % Oil | % Gas | % Water | % Mud | Comments |
|------------------|----------|----------|------------|----------|---------------------|
| 50.0 | 0.0 | 0.0 | 80.0 | 20.0 | MUDDY WATER |
| 240.0 | 0.0 | 0.0 | 100.0 | 0.0 | WATER |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | CHLORIDES 13000 PPM |

RATE INFORMATION

| | | | | | |
|---------------|--------|-----|---------------------|---------|-------|
| OIL VOLUME: | 0.0000 | STB | TOTAL FLOW TIME: | 45.0000 | min. |
| GAS VOLUME: | 0.0000 | SCF | AVERAGE OIL RATE: | 0.0000 | STB/D |
| MUD VOLUME: | 0.1403 | STB | AVERAGE WATER RATE: | 76.4526 | STB/D |
| WATER VOLUME: | 2.2489 | STB | | | |
| TOTAL FLUID : | 2.3891 | STB | | | |

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1226.00

| Description | Duration | p1 | p End |
|-----------------|----------|-------|--------|
| INITIAL FLOW | 15.00 | 20.00 | 20.00 |
| INITIAL SHUT-IN | 30.00 | | 904.00 |
| FINAL FLOW | 30.00 | 31.00 | 41.00 |
| FINAL SHUT-IN | 60.00 | | 904.00 |

FINAL HYDROSTATIC PRESSURE: 1184.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1244.00

| Description | Duration | p1 | p End |
|-----------------|----------|--------|--------|
| INITIAL FLOW | 15.00 | 46.00 | 91.00 |
| INITIAL SHUT-IN | 30.00 | | 932.00 |
| FINAL FLOW | 30.00 | 104.00 | 144.00 |
| FINAL SHUT-IN | 60.00 | | 932.00 |

FINAL HYDROSTATIC PRESSURE: 1197.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

| | |
|--------------------------|-----------------------------|
| DATE : 4-03-95 | TICKET : 20718 |
| CUSTOMER : OXY USA, INC. | LEASE : BURLINGAME STOKES A |
| WELL : #78 | TEST: 2 |
| ELEVATION: 1390 KB | GEOLOGIST: GALE SCHROEDER |
| SECTION : 28 | FORMATION: ARBUCKLE |
| RANGE : 5E | TOWNSHIP : 25S |
| GAUGE SN#: 10270 | COUNTY: BUTLER |
| | RANGE : 4150 |
| | STATE : KS |
| | CLOCK : 12 |

INITIAL FLOW

| <u>Time (min)</u> | <u>Pressure</u> | <u>Delta P</u> |
|-----------------------|-----------------|----------------|
| 0.00 | 46.00 | 46.00 |
| 5.00 | 46.00 | 0.00 |
| 10.00 | 63.00 | 17.00 |
| 15.00 | 91.00 | 28.00 |

INITIAL SHUT IN

| <u>Time (min)</u> | <u>Pressure</u> | <u>Delta P</u> | <u>Horner T</u> |
|-----------------------|-----------------|----------------|-----------------|
| 3.00 | 805.00 | 805.00 | 6.00 |
| 6.00 | 898.00 | 93.00 | 3.50 |
| 9.00 | 927.00 | 29.00 | 2.67 |
| 12.00 | 928.00 | 1.00 | 2.25 |
| 15.00 | 928.00 | 0.00 | 2.00 |
| 18.00 | 929.00 | 1.00 | 1.83 |
| 21.00 | 929.00 | 0.00 | 1.71 |
| 24.00 | 930.00 | 1.00 | 1.63 |
| 27.00 | 931.00 | 1.00 | 1.56 |
| 30.00 | 932.00 | 1.00 | 1.50 |

FINAL FLOW

| <u>Time (min)</u> | <u>Pressure</u> | <u>Delta P</u> |
|-----------------------|-----------------|----------------|
| 0.00 | 104.00 | 104.00 |
| 5.00 | 104.00 | 0.00 |
| 10.00 | 110.00 | 6.00 |
| 15.00 | 119.00 | 9.00 |

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

| <u>Time (min)</u> | <u>Pressure</u> | <u>Delta P</u> |
|-----------------------|-----------------|----------------|
| 20.00 | 129.00 | 10.00 |
| 25.00 | 140.00 | 11.00 |
| 30.00 | 144.00 | 4.00 |

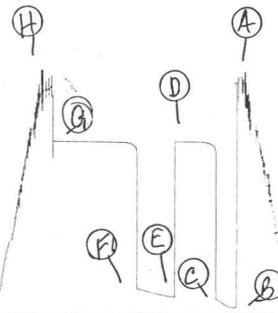
FINAL SHUT IN

| <u>Time (min)</u> | <u>Pressure</u> | <u>Delta P</u> | <u>Horner T</u> |
|-----------------------|-----------------|----------------|-----------------|
| 3.00 | 913.00 | 913.00 | 11.00 |
| 6.00 | 925.00 | 12.00 | 6.00 |
| 9.00 | 928.00 | 3.00 | 4.33 |
| 12.00 | 928.00 | 0.00 | 3.50 |
| 15.00 | 928.00 | 0.00 | 3.00 |
| 18.00 | 929.00 | 1.00 | 2.67 |
| 21.00 | 929.00 | 0.00 | 2.43 |
| 24.00 | 929.00 | 0.00 | 2.25 |
| 27.00 | 930.00 | 1.00 | 2.11 |
| 30.00 | 930.00 | 0.00 | 2.00 |
| 33.00 | 930.00 | 0.00 | 1.91 |
| 36.00 | 930.00 | 0.00 | 1.83 |
| 39.00 | 931.00 | 1.00 | 1.77 |
| 42.00 | 931.00 | 0.00 | 1.71 |
| 45.00 | 931.00 | 0.00 | 1.67 |
| 48.00 | 931.00 | 0.00 | 1.63 |
| 51.00 | 932.00 | 1.00 | 1.59 |
| 54.00 | 932.00 | 0.00 | 1.56 |
| 57.00 | 932.00 | 0.00 | 1.53 |
| 60.00 | 932.00 | 0.00 | 1.50 |

Tkt#20718

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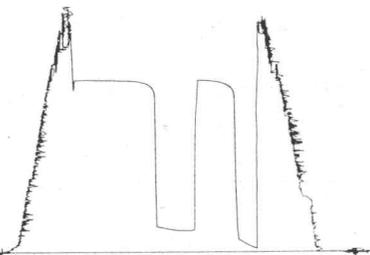


Inside Recorder

Tkt#20718

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13550



Outside Recorder

DST REPORT

GENERAL INFORMATION

| | |
|--|-----------------------------|
| DATE : 4-04-95 | TICKET : 20719 |
| CUSTOMER : OXY USA, INC. | LEASE : BURLINGAME STOKES A |
| WELL : #78 TEST: 3 | GEOLOGIST: GALE SCHROEDER |
| ELEVATION: 1390 KB | FORMATION: ARBUCKLE |
| SECTION : 28 | TOWNSHIP : 25S |
| RANGE : 5E COUNTY: BUTLER | STATE : KS |
| GAUGE SN#: 10270 RANGE : 4150 | CLOCK : 12 |

WELL INFORMATION

| | | |
|---------------------------------------|--------------------|----------------|
| PERFORATION INTERVAL FROM: 2463.00 ft | TO: 2471.00 ft | TVD: 2505.0 ft |
| DEPTH OF SELECTIVE ZONE: | | TEST TYPE: OIL |
| DEPTH OF RECORDERS: 2497.0 ft | 2500.0 ft | |
| TEMPERATURE: 108.0 | | |
| | | |
| 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 : 2253.0 ft | I.D.: | 3.800 in |
| TEST TOOL LENGTH : 30.0 ft | TOOL SIZE : | 5.500 in |
| ANCHOR LENGTH : 8.0 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 : | 4.5 X.H. |
| PACKER DEPTH: 2458.0 ft | SIZE: | 6.630 in |
| PACKER DEPTH: 2463.0 ft | SIZE: | 6.630 in |
| PACKER DEPTH: 2471.0 ft | SIZE: | 6.630 in |
| PACKER DEPTH: 0.0 ft | SIZE: | 0.000 in |

MUD INFORMATION

| | |
|--------------------------------|----------------------|
| DRILLING CON. : ALLEN DRLG. #3 | |
| MUD TYPE : CHEMICAL | VISCOSITY : 46.00 cp |
| WEIGHT : 9.300 ppg | WATER LOSS: 9.600 cc |
| CHLORIDES : 0 ppm | |
| JARS-MAKE : W.T.C. | SERIAL NUMBER: 422 |
| DID WELL FLOW?: NO | REVERSED OUT?: NO |

COMMENTS

Comment

WEAK BLOW THROUGHOUT INITIAL FLOW PERIOD .5" TO 2.5" BLOW. WEAK BLOW THROUGHOUT FINAL FLOW PERIOD -2" BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

| Feet of Fluid | % Oil | % Gas | % Water | % Mud | Comments |
|------------------|----------|----------|------------|----------|---------------------|
| 1.0 | 100.0 | 0.0 | 0.0 | 0.0 | CLEAN OIL |
| 260.0 | 0.0 | 0.0 | 100.0 | 0.0 | WATER |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | CHLORIDES 13000 PPM |

RATE INFORMATION

| | | | |
|---------------|------------|---------------------|---------------|
| OIL VOLUME: | 0.0140 STB | TOTAL FLOW TIME: | 95.0000 min. |
| GAS VOLUME: | 0.0000 SCF | AVERAGE OIL RATE: | 0.2126 STB/D |
| MUD VOLUME: | 0.0000 STB | AVERAGE WATER RATE: | 29.8361 STB/D |
| WATER VOLUME: | 1.9684 STB | | |
| TOTAL FLUID : | 1.9824 STB | | |

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1215.00

| Description | Duration | p1 | p End |
|-----------------|----------|-------|--------|
| INITIAL FLOW | 30.00 | 31.00 | 72.00 |
| INITIAL SHUT-IN | 60.00 | | 894.00 |
| FINAL FLOW | 60.00 | 93.00 | 135.00 |
| FINAL SHUT-IN | 120.00 | | 894.00 |

FINAL HYDROSTATIC PRESSURE: 1184.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1205.00

| Description | Duration | p1 | p End |
|-----------------|----------|--------|--------|
| INITIAL FLOW | 35.00 | 43.00 | 79.00 |
| INITIAL SHUT-IN | 60.00 | | 900.00 |
| FINAL FLOW | 60.00 | 104.00 | 144.00 |
| FINAL SHUT-IN | 120.00 | | 905.00 |

FINAL HYDROSTATIC PRESSURE: 1193.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

| | |
|--------------------------|-----------------------------|
| DATE : 4-04-95 | TICKET : 20719 |
| CUSTOMER : OXY USA, INC. | LEASE : BURLINGAME STOKES A |
| WELL : #78 | GEOLOGIST: GALE SCHROEDER |
| ELEVATION: 1390 KB | FORMATION: ARBUCKLE |
| SECTION : 28 | TOWNSHIP : 25S |
| RANGE : 5E | STATE : KS |
| GAUGE SN#: 10270 | CLOCK : 12 |
| TEST: 3 | |
| COUNTY: BUTLER | |
| RANGE : 4150 | |

INITIAL FLOW

| Time (min) | Pressure | Delta P |
|---------------|----------|---------|
| 0.00 | 43.00 | 43.00 |
| 5.00 | 40.00 | -3.00 |
| 10.00 | 40.00 | 0.00 |
| 15.00 | 48.00 | 8.00 |
| 20.00 | 60.00 | 12.00 |
| 25.00 | 67.00 | 7.00 |
| 30.00 | 75.00 | 8.00 |
| 35.00 | 79.00 | 4.00 |

INITIAL SHUT IN

| Time (min) | Pressure | Delta P | Horner T |
|---------------|----------|---------|----------|
| 3.00 | 838.00 | 838.00 | 12.67 |
| 6.00 | 863.00 | 25.00 | 6.83 |
| 9.00 | 873.00 | 10.00 | 4.89 |
| 12.00 | 880.00 | 7.00 | 3.92 |
| 15.00 | 884.00 | 4.00 | 3.33 |
| 18.00 | 890.00 | 6.00 | 2.94 |
| 21.00 | 891.00 | 1.00 | 2.67 |
| 24.00 | 892.00 | 1.00 | 2.46 |
| 27.00 | 893.00 | 1.00 | 2.30 |
| 30.00 | 894.00 | 1.00 | 2.17 |
| 33.00 | 895.00 | 1.00 | 2.06 |
| 36.00 | 896.00 | 1.00 | 1.97 |
| 39.00 | 897.00 | 1.00 | 1.90 |
| 42.00 | 898.00 | 1.00 | 1.83 |
| 45.00 | 898.00 | 0.00 | 1.78 |
| 48.00 | 899.00 | 1.00 | 1.73 |
| 51.00 | 899.00 | 0.00 | 1.69 |
| 54.00 | 900.00 | 1.00 | 1.65 |

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

| Time (min) | Pressure | Delta P | Horner T |
|---------------|----------|---------|----------|
| 57.00 | 900.00 | 0.00 | 1.61 |
| 60.00 | 900.00 | 0.00 | 1.58 |

FINAL FLOW

| Time (min) | Pressure | Delta P |
|---------------|----------|---------|
| 0.00 | 104.00 | 104.00 |
| 5.00 | 98.00 | -6.00 |
| 10.00 | 99.00 | 1.00 |
| 15.00 | 100.00 | 1.00 |
| 20.00 | 104.00 | 4.00 |
| 25.00 | 108.00 | 4.00 |
| 30.00 | 113.00 | 5.00 |
| 35.00 | 119.00 | 6.00 |
| 40.00 | 123.00 | 4.00 |
| 45.00 | 129.00 | 6.00 |
| 50.00 | 133.00 | 4.00 |
| 55.00 | 140.00 | 7.00 |
| 60.00 | 144.00 | 4.00 |

FINAL SHUT IN

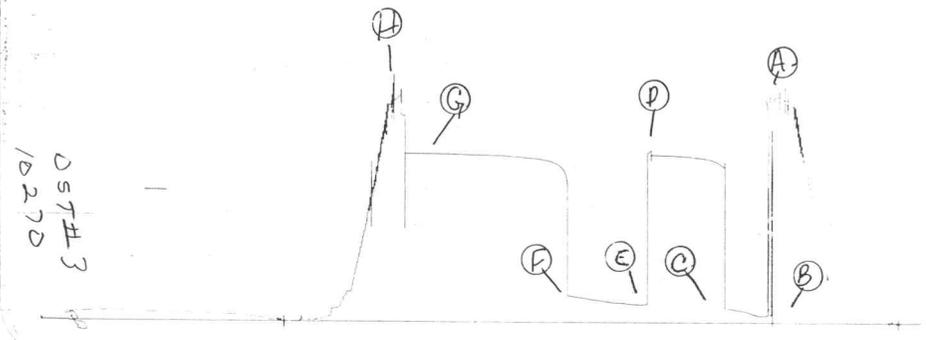
| Time (min) | Pressure | Delta P | Horner T |
|---------------|----------|---------|----------|
| 3.00 | 811.00 | 811.00 | 21.00 |
| 6.00 | 838.00 | 27.00 | 11.00 |
| 9.00 | 851.00 | 13.00 | 7.67 |
| 12.00 | 861.00 | 10.00 | 6.00 |
| 15.00 | 869.00 | 8.00 | 5.00 |
| 18.00 | 873.00 | 4.00 | 4.33 |
| 21.00 | 875.00 | 2.00 | 3.86 |
| 24.00 | 880.00 | 5.00 | 3.50 |
| 27.00 | 882.00 | 2.00 | 3.22 |
| 30.00 | 883.00 | 1.00 | 3.00 |
| 33.00 | 884.00 | 1.00 | 2.82 |
| 36.00 | 885.00 | 1.00 | 2.67 |
| 39.00 | 886.00 | 1.00 | 2.54 |
| 42.00 | 887.00 | 1.00 | 2.43 |
| 45.00 | 888.00 | 1.00 | 2.33 |

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

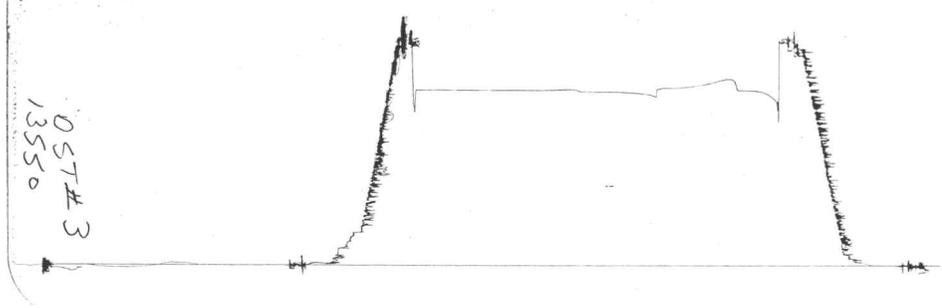
| <u>Time (min)</u> | <u>Pressure</u> | <u>Delta P</u> | <u>Horner T</u> |
|-----------------------|-----------------|----------------|-----------------|
| 48.00 | 889.00 | 1.00 | 2.25 |
| 51.00 | 890.00 | 1.00 | 2.18 |
| 54.00 | 891.00 | 1.00 | 2.11 |
| 57.00 | 892.00 | 1.00 | 2.05 |
| 60.00 | 893.00 | 1.00 | 2.00 |
| 63.00 | 894.00 | 1.00 | 1.95 |
| 66.00 | 895.00 | 1.00 | 1.91 |
| 69.00 | 896.00 | 1.00 | 1.87 |
| 72.00 | 897.00 | 1.00 | 1.83 |
| 75.00 | 898.00 | 1.00 | 1.80 |
| 78.00 | 899.00 | 1.00 | 1.77 |
| 81.00 | 900.00 | 1.00 | 1.74 |
| 84.00 | 900.00 | 0.00 | 1.71 |
| 87.00 | 901.00 | 1.00 | 1.69 |
| 90.00 | 901.00 | 0.00 | 1.67 |
| 93.00 | 902.00 | 1.00 | 1.65 |
| 96.00 | 902.00 | 0.00 | 1.63 |
| 99.00 | 903.00 | 1.00 | 1.61 |
| 102.00 | 903.00 | 0.00 | 1.59 |
| 105.00 | 904.00 | 1.00 | 1.57 |
| 108.00 | 904.00 | 0.00 | 1.56 |
| 111.00 | 904.00 | 0.00 | 1.54 |
| 114.00 | 905.00 | 1.00 | 1.53 |
| 117.00 | 905.00 | 0.00 | 1.51 |
| 120.00 | 905.00 | 0.00 | 1.50 |

TK#20719
I.



Inside Recorder

TK#20719
Below Straddle



Outside Recorder