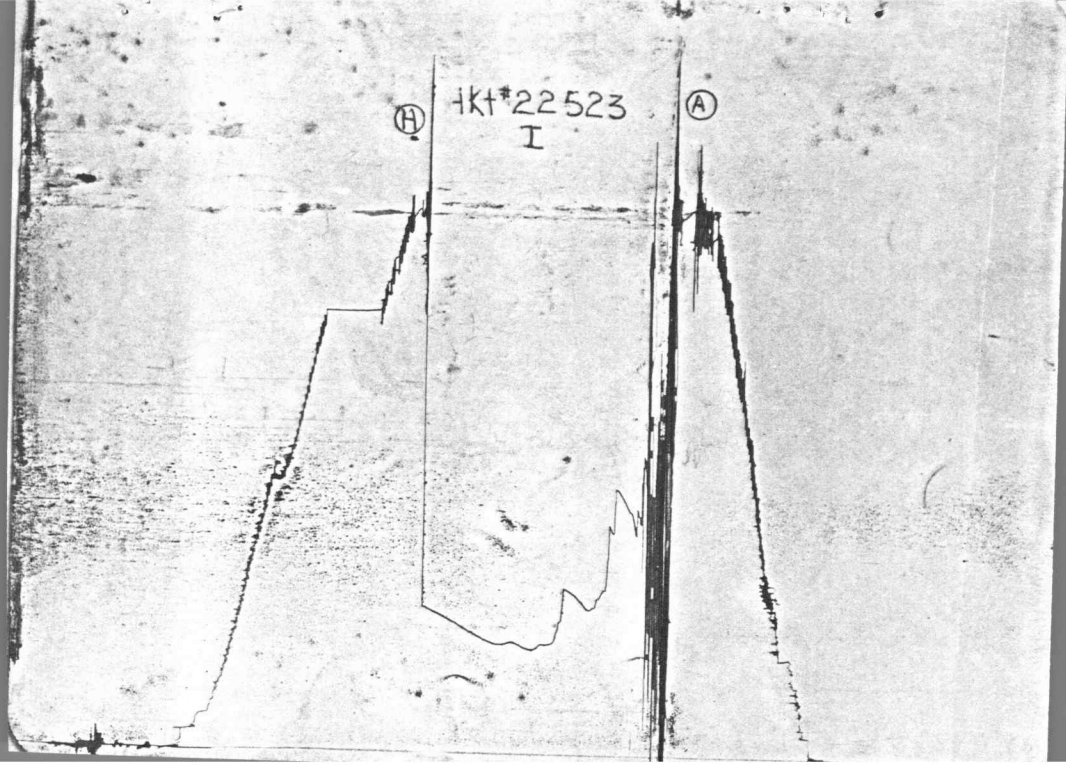


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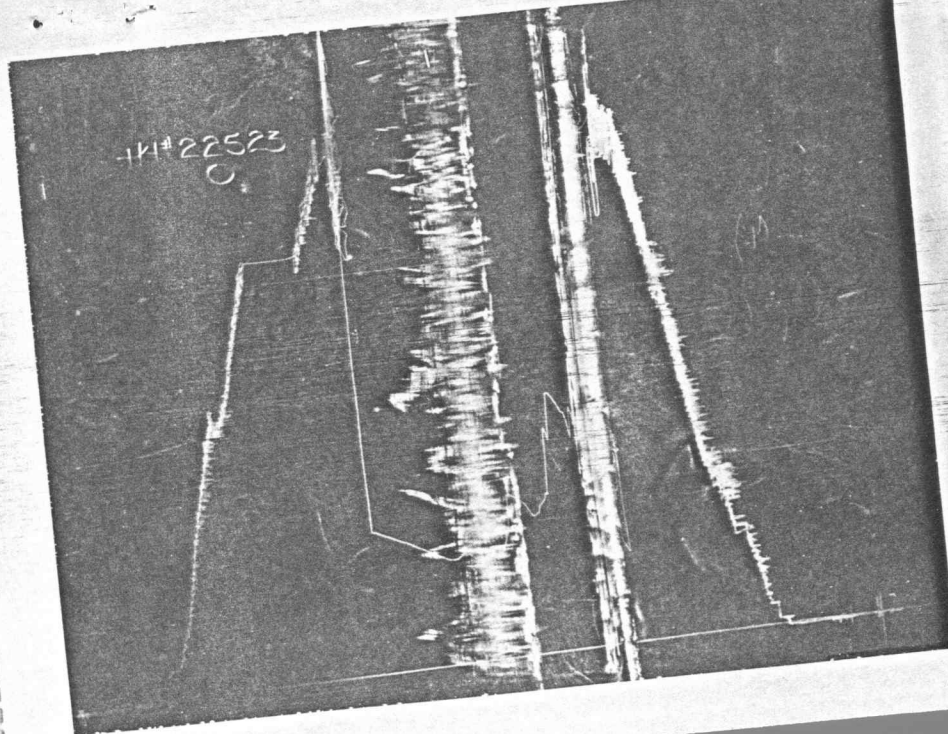
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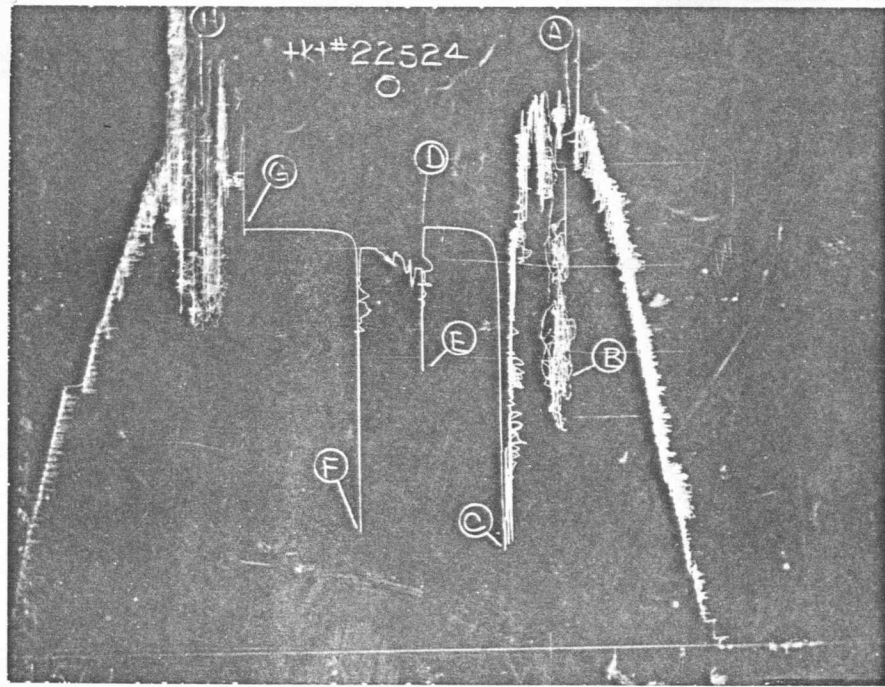
Company Texas Oil & Gas Corp. Lease & Well No. Miller K #1  
Elevation 1388 Kelly Bush Formation Mississippi Effective Pay - Ft. Ticket No. 22523  
Date 1-2-78 Sec. 36 Twp. 33S Range 10W County Barber State Kansas  
Test Approved by K.W. Dahlberg Western Representative Tim Wilson  
Formation Test No. 1 O.K. - Misrun X Interval Tested From 4573' to 4584' Total Depth 4584'  
Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No  
Top Packer Depth 4568 Ft. Size 6 3/4 Bottom Packer Depth 4573 Ft. Size 6 3/4  
Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -  
Tool Size 4 1/2 OD Tool Joint Size 3 1/2 IF Anchor Length 11 Ft. Size 4 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.  
RECORDERS Depth 4577 Ft. Clock No. 9103 Depth 4580 Ft. Clock No. 9727  
Top Make Kuster Cap. 3150 No. 1562 Inside - Outside - Bottom Make Kuster Cap. 3200 No. 1561 Inside - Outside -  
Below Straddle: Depth - Rec. No. - Clock No. - Inside - Outside - Depth - Ft. Rec. No. - Clock No. - Inside - Outside -  
Time Set Packer 8:53P. M  
Tool Open I.F.P. From 8:55P M. to 9:20P M. - Hr. 25 Min. From (B) - P.S.I. To (C) - P.S.I.  
Tool Closed I.C.I.P. From 9:20P M. to 10:10P M. - Hr. 50 Min (D) - P.S.I.  
Tool Open F.F.P. From 10:10P M. to 10:40P M. - Hr. 30 Min. From (E) - P.S.I. To (F) - P.S.I.  
Tool Closed F.C.I.P. From 10:40P M. to 11:40P M. - Hr. 60 Min. (G) - P.S.I.  
Initial Hydrostatic Pressure (A) 2238 P.S.I. Final Hydrostatic Pressure (H) 2221 P.S.I. Maximum Temp. -

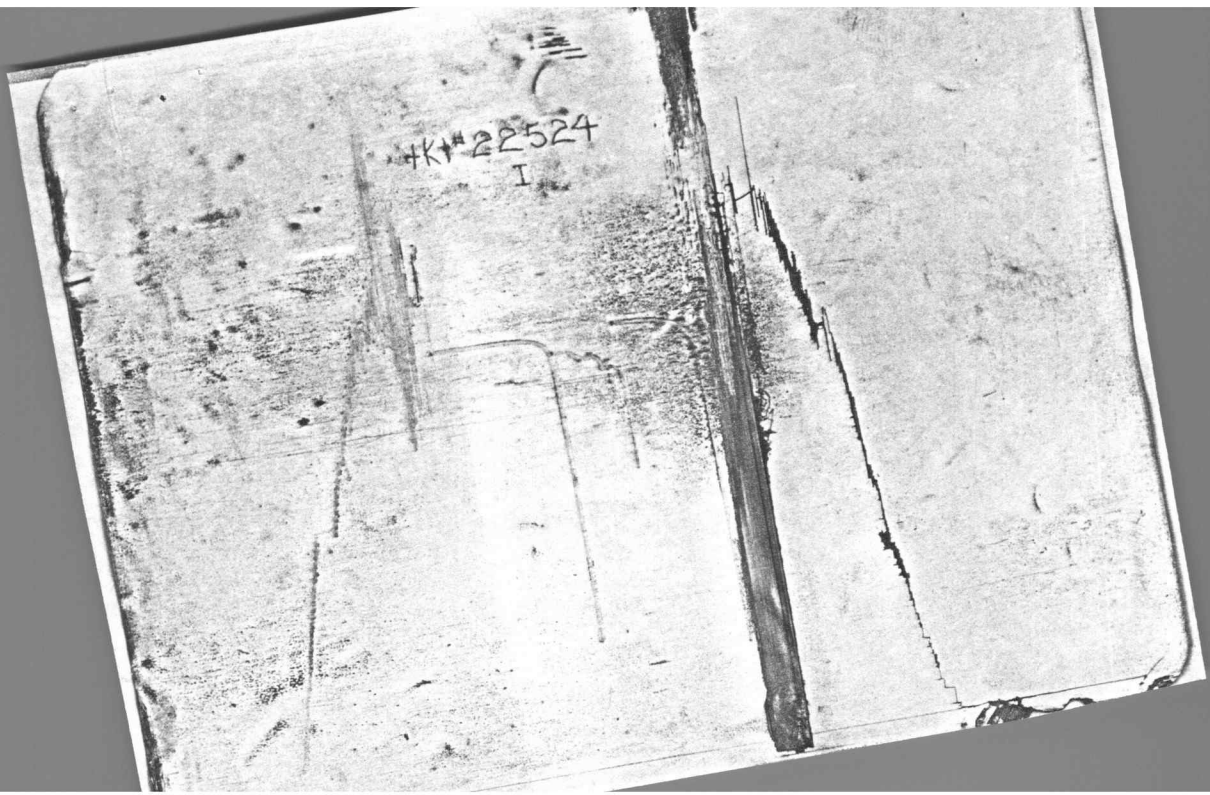
#### INFORMATION

BLOW Blow was very weak for 15 minutes on initial flow period, flushed tool, still no blow.  
Weak blow throughout final flow period.

Did Well Flow - Yes X No - Recovery Total Ft. 30' of drilling mud.

Reversed Out - Yes X No - Mud Type Chem Viscosity 44 Weight 9.0 Water Loss 10.8 cc. Chlorides 11,000 PPM  
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint W.T.C. Jars: Size 4 1/2 In. Make W.T.C. Ser. No. 406  
Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? Yes Where? Anchor  
DRILLING CONTRACTOR H-30Dr1g. (#3) Length Drill Pipe? 4328 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 In.  
Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 219 Ft. I.D. Drill Collars 2 1/4 In.  
Tool Joint Size 4H-90 In. Length D.S.T. Tool 37 Ft.  
Remarks Tool slid 2'.







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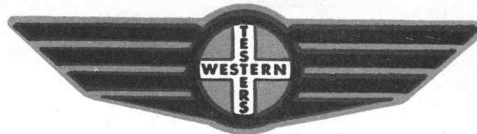
Company Texas Oil & Gas Corp. Lease & Well No. Miller K #1  
Elevation 1388 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 22524  
Date 1-3-78 Sec. 36 Twp. 33S Range 10W County Barber State Kansas  
Test Approved by K.W. Dahlberg Western Representative Tim Wilson  
Formation Test No. 2 O.K. - Misrun X Interval Tested From 4575' to 4601' Total Depth 4601'  
Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No  
Top Packer Depth 4570 Ft. Size 6 3/4 Bottom Packer Depth 4575 Ft. Size 6 3/4  
Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -  
Tool Size 4 1/2 OD Tool Joint Size 3 1/2 IF Anchor Length 26 Ft. Size 4 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.  
RECORDERS Depth 4594 Ft. Clock No. 9103 Depth 4597 Ft. Clock No. 9727  
Top Make Kuster Cap. 3150 No. 1562 Inside Bottom Make Kuster Cap. 3200 No. 1561 Inside  
Below Straddle: Depth - Rec. No. - Clock No. - Inside Depth - Ft. Rec. No. - Clock No. - Inside  
Time Set Packer 8:38P. M  
Tool Open I.F.P. From 8:40P M. to 9:10P M. - Hr. 30 Min. From (B) Plugging Action P.S.I. To (C) 418 P.S.I.  
Tool Closed I.C.I.P. From 9:10P M. to 10:10P M. - Hr. 60 Min (D) 1805 P.S.I.  
Tool Open F.F.P. From 10:10P M. to 11:10P M. - Hr. 45 Min. From (E) Plugging Action P.S.I. To (F) 504 P.S.I.  
Tool Closed F.C.I.P. From 11:10P M. to 12:40A M. - Hr. 90 Min. (G) 1812 P.S.I.  
Initial Hydrostatic Pressure (A) 2228 P.S.I. Final Hydrostatic Pressure (H) 2217 P.S.I. Maximum Temp. 122

#### INFORMATION

BLOW Weak blow bluiding to a strong blow in last 5 minutes of initial flow period. Gas to surface in 32 minutes after tool opened on initial flow period. See attached sheet.  
Did Well Flow X Yes - No Recovery Total Ft. 340' total recovery. 40' of gas cut mud, 120' of watery mud, 50' of muddy water, 120' of water (140,000 Chlorides checked)

Reversed Out - Yes X No Mud Type Chem Viscosity 49 Weight 9.0 Water Loss 14.0 cc. Chlorides 15,000 PPM  
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint W.T.C. Jars: Size 4 1/2 In. Make W.T.C. Ser. No. 406  
Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? Yes Where? Anchor and shut-in  
DRILLING CONTRACTOR H-30 Drlg. (#3) Length Drill Pipe? 4330 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.  
Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 219 Ft. I.D. Drill Collars 2 1/4 In.  
Tool Joint Size 4H-90 In. Length D.S.T. Tool 52 Ft.

Remarks:



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## GAS FLOW REPORT

Date 1-3-78 Ticket 22524 Company Texas Oil & Gas Corp.  
Well Name and No. Miller K #1 Dst No. 2 Interval Tested 4575' - 4601'  
County Barber State Kansas Sec. 36 Twp. 33S Rg. 10W

| Time Gauge Pre-Flow | Time Gauge in Min. | P.S.I. on Merla Orifice Well Tester | P.S.I. on Pitot Tester | P.S.I. on Side Static Tester | P.S.I. on U-Tube Tester | Description of Flow |
|---------------------|--------------------|-------------------------------------|------------------------|------------------------------|-------------------------|---------------------|
|---------------------|--------------------|-------------------------------------|------------------------|------------------------------|-------------------------|---------------------|

### PRE FLOW

|                                                      |  |  |  |  |  |  |
|------------------------------------------------------|--|--|--|--|--|--|
| Tool opened at 8:40PM                                |  |  |  |  |  |  |
| Gas to surface in 32 minutes on initial flow period. |  |  |  |  |  |  |
|                                                      |  |  |  |  |  |  |
|                                                      |  |  |  |  |  |  |
|                                                      |  |  |  |  |  |  |
|                                                      |  |  |  |  |  |  |

### SECOND FLOW

|         |         |          |              |  |  |                 |
|---------|---------|----------|--------------|--|--|-----------------|
| 10:10PM | 0 min.  | 1.5PSIG  | 1/4" orifice |  |  | 11,020 C.F.P.D. |
| 10:15PM | 5 min.  | 1.5 PSIG | 1/4" orifice |  |  | 11,020 C.F.P.D. |
| 10:20PM | 10 min. | 1.5 PSIG | 1/4" orifice |  |  | 11,020 C.F.P.D. |
| 10:25PM | 15 min. | 1.5 PSIG | 1/4" orifice |  |  | 11,020 C.F.P.D. |
| 10:30PM | 20 min. | 1.5 PSIG | 1/4" orifice |  |  | 11,020 C.F.P.D. |
| 10:35PM | 25 min. | 1.5 PSIG | 1/4" orifice |  |  | 11,020 C.F.P.D. |
| 10:40PM | 30 min. | 1.5 PSIG | 1/4" orifice |  |  | 11,020 C.F.P.D. |
| 10:45PM | 35 min. | 1.5 PSIG | 1/4" orifice |  |  | 11,020 C.F.P.D. |
| 10:50PM | 40 min. | 1.5 PSIG | 1/4" orifice |  |  | 11,020 C.F.P.D. |
| 10:55PM | 45 min. | 1.5 PSIG | 1/4" orifice |  |  | 11,020 C.F.P.D. |
|         |         |          |              |  |  |                 |
|         |         |          |              |  |  |                 |

### GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced -

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Texas Oil & Gas Corp.

Authorized by K.W. Dahlberg

# WESTERN TESTING CO., INC.

## Pressure Data

Date 1-3-78 Test Ticket No. 22524  
 Recorder No. 1561 Capacity 3200 Location 4597 Ft.  
 Clock No. 9727 Elevation 1388 Kelly Bushing Well Temperature 122 °F  
 Point Pressure Time Given Time Computed  
 A Initial Hydrostatic Mud 2228 P.S.I. Open Tool 8:38P. M  
 B First Initial Flow Pressure Plugging Action P.S.I. First Flow Pressure 30 Mins. 30 Min.  
 C First Final Flow Pressure 418 P.S.I. Initial Closed-in Pressure 60 Mins. 57 Min.  
 D Initial Closed-in Pressure 1805 P.S.I. Second Flow Pressure 45 Mins. 45 Min.  
 E Second Initial Flow Pressure Plugging Action P.S.I. Final Closed-in Pressure 90 Mins. 90 Min.  
 F Second Final Flow Pressure 504 P.S.I.  
 G Final Closed-in Pressure 1812 P.S.I.  
 H Final Hydrostatic Mud 2217 P.S.I.

## PRESSURE BREAKDOWN

| First Flow Pressure         |                        | Initial Shut-In             |             | Second Flow Pressure        |                        | Final Shut-In               |             |
|-----------------------------|------------------------|-----------------------------|-------------|-----------------------------|------------------------|-----------------------------|-------------|
| Breakdown: <u>6</u> Inc.    |                        | Breakdown: <u>19</u> Inc.   |             | Breakdown: <u>9</u> Inc.    |                        | Breakdown: <u>30</u> Inc.   |             |
| of <u>5</u> mins. and a     |                        | of <u>3</u> mins. and a     |             | of <u>5</u> mins. and a     |                        | of <u>3</u> mins. and a     |             |
| final inc. of <u>0</u> Min. |                        | final inc. of <u>0</u> Min. |             | final inc. of <u>0</u> Min. |                        | final inc. of <u>0</u> Min. |             |
| Point Mins.                 | Press.                 | Point Minutes               | Press.      | Point Minutes               | Press.                 | Point Minutes               | Press.      |
| P 1 <u>0</u>                | <u>Plugging Action</u> | <u>0</u>                    | <u>418</u>  | <u>0</u>                    | <u>Plugging Action</u> | <u>0</u>                    | <u>504</u>  |
| P 2 <u>5</u>                | <u>Plugging Action</u> | <u>3</u>                    | <u>1672</u> | <u>5</u>                    | <u>Plugging Action</u> | <u>3</u>                    | <u>1767</u> |
| P 3 <u>10</u>               | <u>Plugging Action</u> | <u>6</u>                    | <u>1734</u> | <u>10</u>                   | <u>Plugging Action</u> | <u>6</u>                    | <u>1781</u> |
| P 4 <u>15</u>               | <u>Plugging Action</u> | <u>9</u>                    | <u>1757</u> | <u>15</u>                   | <u>Plugging Action</u> | <u>9</u>                    | <u>1787</u> |
| P 5 <u>20</u>               | <u>Plugging Action</u> | <u>12</u>                   | <u>1770</u> | <u>20</u>                   | <u>Plugging Action</u> | <u>12</u>                   | <u>1793</u> |
| P 6 <u>25</u>               | <u>Plugging Action</u> | <u>15</u>                   | <u>1780</u> | <u>25</u>                   | <u>Plugging Action</u> | <u>15</u>                   | <u>1796</u> |
| P 7 <u>30</u>               | <u>Plugging Action</u> | <u>18</u>                   | <u>1786</u> | <u>30</u>                   | <u>Plugging Action</u> | <u>18</u>                   | <u>1798</u> |
| P 8 _____                   | _____                  | <u>21</u>                   | <u>1789</u> | <u>35</u>                   | <u>Plugging Action</u> | <u>21</u>                   | <u>1800</u> |
| P 9 _____                   | _____                  | <u>24</u>                   | <u>1794</u> | <u>40</u>                   | <u>Plugging Action</u> | <u>24</u>                   | <u>1801</u> |
| P10 _____                   | _____                  | <u>27</u>                   | <u>1796</u> | <u>45</u>                   | <u>Plugging Action</u> | <u>27</u>                   | <u>1802</u> |
| P11 _____                   | _____                  | <u>30</u>                   | <u>1799</u> | _____                       | _____                  | <u>30</u>                   | <u>1803</u> |
| P12 _____                   | _____                  | <u>33</u>                   | <u>1800</u> | _____                       | _____                  | <u>33</u>                   | <u>1804</u> |
| P13 _____                   | _____                  | <u>36</u>                   | <u>1801</u> | _____                       | _____                  | <u>36</u>                   | <u>1804</u> |
| P14 _____                   | _____                  | <u>39</u>                   | <u>1802</u> | _____                       | _____                  | <u>39</u>                   | <u>1806</u> |
| P15 _____                   | _____                  | <u>42</u>                   | <u>1803</u> | _____                       | _____                  | <u>42</u>                   | <u>1806</u> |
| P16 _____                   | _____                  | <u>45</u>                   | <u>1803</u> | _____                       | _____                  | <u>45</u>                   | <u>1807</u> |
| P17 _____                   | _____                  | <u>48</u>                   | <u>1804</u> | _____                       | _____                  | <u>48</u>                   | <u>1807</u> |
| P18 _____                   | _____                  | <u>51</u>                   | <u>1804</u> | _____                       | _____                  | <u>51</u>                   | <u>1808</u> |
| P19 _____                   | _____                  | <u>54</u>                   | <u>1805</u> | _____                       | _____                  | <u>54</u>                   | <u>1809</u> |
| P20 _____                   | _____                  | <u>57</u>                   | <u>1805</u> | _____                       | _____                  | <u>57</u>                   | <u>1809</u> |
|                             |                        |                             |             |                             |                        | <u>60</u>                   | <u>1809</u> |

# WESTERN TESTING CO., INC.

## Pressure Data

Date 1-3-78 Test Ticket No. 22524

Recorder No. 1561 Capacity 3200 Location 4597 Ft.

Clock No. 9727 Elevation 1388 Kelly Bushing Well Temperature 122 °F

| Point                          | Pressure               |                            | Time Given | Time Computed |
|--------------------------------|------------------------|----------------------------|------------|---------------|
| A Initial Hydrostatic Mud      | 2228 P.S.I.            | Open Tool                  | 8:38P.     | M             |
| B First Initial Flow Pressure  | Plugging Action P.S.I. | First Flow Pressure        | 30 Mins.   | 30 Mins.      |
| C First Final Flow Pressure    | 418 P.S.I.             | Initial Closed-in Pressure | 60 Mins.   | 57 Mins.      |
| D Initial Closed-in Pressure   | 1805 P.S.I.            | Second Flow Pressure       | 45 Mins.   | 45 Mins.      |
| E Second Initial Flow Pressure | Plugging Action P.S.I. | Final Closed-in Pressure   | 90 Mins.   | 90 Mins.      |
| F Second Final Flow Pressure   | 504 P.S.I.             |                            |            |               |
| G Final Closed-in Pressure     | 1812 P.S.I.            |                            |            |               |
| H Final Hydrostatic Mud        | 2217 P.S.I.            |                            |            |               |

### PRESSURE BREAKDOWN

| First Flow Pressure      |        | Initial Shut-In          |        | Second Flow Pressure     |        | Final Shut-In               |        |
|--------------------------|--------|--------------------------|--------|--------------------------|--------|-----------------------------|--------|
| Breakdown: _____ Inc.    |        | Breakdown: _____ Inc.    |        | Breakdown: _____ Inc.    |        | Breakdown: <u>30</u> Inc.   |        |
| of _____ mins. and a     |        | of _____ mins. and a     |        | of _____ mins. and a     |        | of <u>3</u> mins. and a     |        |
| final inc. of _____ Min. |        | final inc. of _____ Min. |        | final inc. of _____ Min. |        | final inc. of <u>0</u> Min. |        |
| Point Mins.              | Press. | Point Minutes            | Press. | Point Minutes            | Press. | Point Minutes               | Press. |
| P 1                      |        |                          |        |                          |        | 63                          | 1810   |
| P 2                      |        |                          |        |                          |        | 66                          | 1810   |
| P 3                      |        |                          |        |                          |        | 69                          | 1810   |
| P 4                      |        |                          |        |                          |        | 72                          | 1811   |
| P 5                      |        |                          |        |                          |        | 75                          | 1811   |
| P 6                      |        |                          |        |                          |        | 78                          | 1811   |
| P 7                      |        |                          |        |                          |        | 81                          | 1812   |
| P 8                      |        |                          |        |                          |        | 84                          | 1812   |
| P 9                      |        |                          |        |                          |        | 87                          | 1812   |
| P10                      |        |                          |        |                          |        | 90                          | 1812   |
| P11                      |        |                          |        |                          |        |                             |        |
| P12                      |        |                          |        |                          |        |                             |        |
| P13                      |        |                          |        |                          |        |                             |        |
| P14                      |        |                          |        |                          |        |                             |        |
| P15                      |        |                          |        |                          |        |                             |        |
| P16                      |        |                          |        |                          |        |                             |        |
| P17                      |        |                          |        |                          |        |                             |        |
| P18                      |        |                          |        |                          |        |                             |        |
| P19                      |        |                          |        |                          |        |                             |        |
| P20                      |        |                          |        |                          |        |                             |        |