



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Imperial Oil Company Lease & Well No. EWB Ranch B-1
Elevation 1502 Kelly Bush Formation Cherokee Sand Effective Pay - Ft. Ticket No. 24143
Date 4-5-75 Sec. 7 Twp. 35S Range 14W County Barber State Kansas
Test Approved by Bill Iversen Western Representative Darrel Ferguson

Formation Test No. 1 O.K. Misrun Interval Tested From 4831' to 4855' Total Depth 4855'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 4826 Ft. Size 6 3/4 Bottom Packer Depth 4831 Ft. Size 6 3/4
Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
Tool Size 5/8 OD Tool Joint Size 4 1/2 FH Anchor Length 24 Ft. Size 5/8 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4846 Ft. Clock No. 8474 Depth 4849 Ft. Clock No. 6799
Top Make Kuster Cap. 4150 No. 2605 Inside Outside Bottom Make Kuster Cap. 4150 No. 969 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 5:50 P M
Tool Open I.F.P. From 5:52P M. to 6:52P M. - Hr. 60 Min. From (B) 17 P.S.I. To (C) 8 P.S.I.
Tool Closed I.C.I.P. From 6:52P M. to 8:52P M. - Hr. 120 Min (D) 1756 P.S.I.
Tool Open F.F.P. From 8:52P M. to 11:52P M. 3 Hr. - Min. From (E) 19 P.S.I. To (F) 0 P.S.I.
Tool Closed F.C.I.P. From 11:52P M. to 1:52A M. - Hr. 120 Min. (G) 1525 P.S.I.
Initial Hydrostatic Pressure (A) 2492 P.S.I. Final Hydrostatic Pressure (H) 2483 P.S.I. Maximum Temp. 126

INFORMATION

BLOW Strong blow increasing throughout test.

Did Well Flow Yes No Recovery Total Ft. See attached sheet for gas readings. 10' gas cut drilling mud.

Reversed Out Yes No Mud Type Starch Viscosity 51 Weight 9.6 Water Loss 12.8 cc. Chlorides 51,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint Yes Jars: Size 4 1/2 In. Make WTC Ser. No. 104

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Red Tiger Drilling Co. Length Drill Pipe? 3668 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe 1136 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 51 Ft.

Remarks: Gas to surface in second flow period. Tried to gauge gas, but diminished to where gas couldn't be gauged, went back to using bubble hose.

WESTERN TESTING CO., INC.

Pressure Data

Date 4-5-75 Test Ticket No. 24143
 Recorder No. 2605 Capacity 4150 Location 4846 Ft.
 Clock No. 8474 Elevation 1502 Kelly Bushing Well Temperature 126 °F

| Point | Pressure | Open Tool | Time Given | Time Computed |
|---------------------------------|--------------------|----------------------------|------------------|------------------|
| A. Initial Hydrostatic Mud | <u>2492</u> P.S.I. | | <u>5:50P</u> M | |
| B. First Initial Flow Pressure | <u>17</u> P.S.I. | First Flow Pressure | <u>60</u> Mins. | <u>60</u> Mins. |
| C. First Final Flow Pressure | <u>8</u> P.S.I. | Initial Closed-in Pressure | <u>120</u> Mins. | <u>123</u> Mins. |
| D. Initial Closed-in Pressure | <u>1756</u> P.S.I. | Second Flow Pressure | <u>180</u> Mins. | <u>180</u> Mins. |
| E. Second Initial Flow Pressure | <u>19</u> P.S.I. | Final Closed-in Pressure | <u>120</u> Mins. | <u>117</u> Mins. |
| F. Second Final Flow Pressure | <u>0</u> P.S.I. | | | |
| G. Final Closed-in Pressure | <u>1525</u> P.S.I. | | | |
| H. Final Hydrostatic Mud | <u>2483</u> P.S.I. | | | |

PRESSURE BREAKDOWN

| Point Mins. | First Flow Pressure | | Initial Shut-In | | Second Flow Pressure | | Final Shut-In | |
|-------------|---------------------|-------------|-----------------|-------------|----------------------|-------------|---------------|-------------|
| | Breakdown: | Inc. | Breakdown: | Inc. | Breakdown: | Inc. | Breakdown: | Inc. |
| | of | mins. and a | of | mins. and a | of | mins. and a | of | mins. and a |
| | final inc. of | Min. | final inc. of | Min. | final inc. of | Min. | final inc. of | Min. |
| | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
| P 1 | <u>0</u> | <u>17</u> | <u>0</u> | <u>8</u> | <u>0</u> | <u>19</u> | <u>0</u> | <u>0</u> |
| P 2 | <u>5</u> | <u>8</u> | <u>3</u> | <u>126</u> | <u>5</u> | <u>6</u> | <u>3</u> | <u>65</u> |
| P 3 | <u>10</u> | <u>8</u> | <u>6</u> | <u>241</u> | <u>10</u> | <u>0</u> | <u>6</u> | <u>133</u> |
| P 4 | <u>15</u> | <u>8</u> | <u>9</u> | <u>364</u> | <u>15</u> | <u>0</u> | <u>9</u> | <u>198</u> |
| P 5 | <u>20</u> | <u>8</u> | <u>12</u> | <u>460</u> | <u>20</u> | <u>0</u> | <u>12</u> | <u>269</u> |
| P 6 | <u>25</u> | <u>8</u> | <u>15</u> | <u>560</u> | <u>25</u> | <u>0</u> | <u>15</u> | <u>330</u> |
| P 7 | <u>30</u> | <u>8</u> | <u>18</u> | <u>657</u> | <u>30</u> | <u>0</u> | <u>18</u> | <u>394</u> |
| P 8 | <u>35</u> | <u>8</u> | <u>21</u> | <u>748</u> | <u>35</u> | <u>0</u> | <u>21</u> | <u>453</u> |
| P 9 | <u>40</u> | <u>8</u> | <u>24</u> | <u>829</u> | <u>40</u> | <u>0</u> | <u>24</u> | <u>517</u> |
| P10 | <u>45</u> | <u>8</u> | <u>27</u> | <u>904</u> | <u>45</u> | <u>0</u> | <u>27</u> | <u>575</u> |
| P11 | <u>50</u> | <u>8</u> | <u>30</u> | <u>988</u> | <u>50</u> | <u>0</u> | <u>30</u> | <u>637</u> |
| P12 | <u>55</u> | <u>8</u> | <u>33</u> | <u>1052</u> | <u>55</u> | <u>0</u> | <u>33</u> | <u>690</u> |
| P13 | <u>60</u> | <u>8</u> | <u>36</u> | <u>1111</u> | <u>60</u> | <u>0</u> | <u>36</u> | <u>748</u> |
| P14 | | | <u>39</u> | <u>1166</u> | <u>65</u> | <u>0</u> | <u>39</u> | <u>811</u> |
| P15 | | | <u>42</u> | <u>1221</u> | <u>70</u> | <u>0</u> | <u>42</u> | <u>867</u> |
| P16 | | | <u>45</u> | <u>1269</u> | <u>75</u> | <u>0</u> | <u>45</u> | <u>921</u> |
| P17 | | | <u>48</u> | <u>1317</u> | <u>80</u> | <u>0</u> | <u>48</u> | <u>969</u> |
| P18 | | | <u>51</u> | <u>1371</u> | <u>85</u> | <u>0</u> | <u>51</u> | <u>1014</u> |
| P19 | | | <u>54</u> | <u>1411</u> | <u>90</u> | <u>0</u> | <u>54</u> | <u>1058</u> |
| P20 | | | <u>57</u> | <u>1450</u> | <u>95</u> | <u>0</u> | <u>57</u> | <u>1099</u> |
| | | | <u>60</u> | <u>1479</u> | <u>100</u> | <u>0</u> | <u>60</u> | <u>1039</u> |
| | | | <u>63</u> | <u>1513</u> | <u>105</u> | <u>0</u> | <u>63</u> | <u>1172</u> |
| | | | <u>66</u> | <u>1542</u> | <u>110</u> | <u>0</u> | <u>66</u> | <u>1204</u> |
| | | | <u>69</u> | <u>1565</u> | <u>115</u> | <u>0</u> | <u>69</u> | <u>1236</u> |
| | | | <u>72</u> | <u>1586</u> | <u>120</u> | <u>0</u> | <u>72</u> | <u>1267</u> |
| | | | <u>75</u> | <u>1602</u> | <u>125</u> | <u>0</u> | <u>75</u> | <u>1296</u> |
| | | | <u>78</u> | <u>1621</u> | <u>130</u> | <u>0</u> | <u>78</u> | <u>1323</u> |
| | | | <u>81</u> | <u>1636</u> | <u>135</u> | <u>0</u> | <u>81</u> | <u>1342</u> |
| | | | <u>84</u> | <u>1650</u> | <u>140</u> | <u>0</u> | <u>84</u> | <u>1364</u> |
| | | | <u>87</u> | <u>1663</u> | <u>145</u> | <u>0</u> | <u>87</u> | <u>1386</u> |

WESTERN TESTING CO., INC.

Pressure Data

Continued.

Date 4-5-75 Test Ticket No. 24143
 Recorder No. 2605 Capacity 4150 Location 4846 Ft.
 Clock No. 8474 Elevation 1502 Kelly Bushing Well Temperature 126 °F

| Point | Pressure | | Time Given | Time Computed |
|--------------------------------|----------|----------------------------|------------|---------------|
| A Initial Hydrostatic Mud | P.S.I. | Open Tool | M | |
| B First Initial Flow Pressure | P.S.I. | First Flow Pressure | Mins. | Mins. |
| C First Final Flow Pressure | P.S.I. | Initial Closed-in Pressure | Mins. | Mins. |
| D Initial Closed-in Pressure | P.S.I. | Second Flow Pressure | Mins. | Mins. |
| E Second Initial Flow Pressure | P.S.I. | Final Closed-in Pressure | Mins. | Mins. |
| F Second Final Flow Pressure | P.S.I. | | | |
| G Final Closed-in Pressure | P.S.I. | | | |
| H Final Hydrostatic Mud | P.S.I. | | | |

PRESSURE BREAKDOWN

| Point Mins. | First Flow Pressure | Initial Shut-In | Second Flow Pressure | Final Shut-In | | | |
|-------------|---|---|---|---|--------|---------------|--------|
| | Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min. | Breakdown: <u>41</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min. | Breakdown: <u>36</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min. | Breakdown: <u>39</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min. | | | |
| | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
| P 1 | | 90 | 1676 | 150 | 0 | 90 | 1402 |
| P 2 | | 93 | 1688 | 155 | 0 | 93 | 1421 |
| P 3 | | 96 | 1699 | 160 | 0 | 96 | 1438 |
| P 4 | | 99 | 1709 | 165 | 0 | 99 | 1450 |
| P 5 | | 102 | 1717 | 170 | 0 | 102 | 1465 |
| P 6 | | 105 | 1726 | 175 | 0 | 105 | 1479 |
| P 7 | | 108 | 1732 | 180 | 0 | 108 | 1494 |
| P 8 | | 111 | 1740 | | | 111 | 1504 |
| P 9 | | 114 | 1747 | | | 114 | 1517 |
| P10 | | 117 | 1755 | | | 117 | 1525 |
| P11 | | 120 | 1759 | | | | |
| P12 | | 123 | 1765 | | | | |
| P13 | | | | | | | |
| P14 | | | | | | | |
| P15 | | | | | | | |
| P16 | | | | | | | |
| P17 | | | | | | | |
| P18 | | | | | | | |
| P19 | | | | | | | |
| P20 | | | | | | | |

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date **4-5-75** Ticket **24143** Company **Imperial Oil Company**
Well Name and No. **EWB Ranch B-1** Dst No. **1** Interval Tested **4831'-4855'**
County **Barber** State **Kansas** Sec. **7** Twp. **35S** Rg. **14W**

| 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 | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| SECOND FLOW | | | | | | |
|--|----------------|----------------------------------|--|--|--|------------------------|
| 8:52 PM | 0 min. | 90" of water 1/2" orifice | | | | 59,500 C.F.P.D. |
| 9:02 PM | 10 min. | 58" of water 1/2" orifice | | | | 47,800 C.F.P.D. |
| 9:12 PM | 10 min. | 3" of water 1/2" orifice | | | | 10,900 C.F.P.D. |
| 9:22 PM | 10 min. | | | | | Not gaugable |
| Gas to surface in second opening. | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

GAS BOTTLE

Serial No. _____ Date Bottle Filled **4-5-75** Date to be Invoiced **4-5-75**

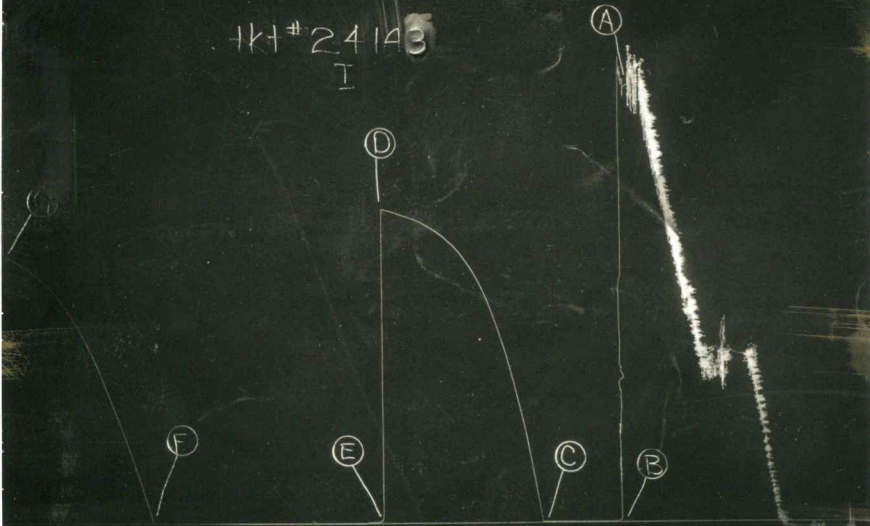
Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By 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 **Imperial Oil Company**
Authorized by **Bill Iversen**

kt # 24143

I



2605



Home Office: Great Bend, Kansas
 P. O. Box 793 (316) 793-7903

Company Imperial Oil Company Lease & Well No. EWB Ranch B-1
 Elevation 1502 Kelly Bush Formation Mississippi Effective Pay - Ft. Ticket No. 24145
 Date 4-6-75 Sec. 7 Twp. 35S Range 14W County Barber State Kansas
 Test Approved by Bill Iversen Western Representative Darrel Ferguson

Formation Test No. 2 O.K. Misrun Interval Tested From 4859' to 4878' Total Depth 4878'
 Size Main Hole 7 7/8 Rat Hole - Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 4854 Ft. Size 6 3/4 Bottom Packer Depth 4859 Ft. Size 6 3/4
 Straddle - Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
 Tool Size 5/8 OD Tool Joint Size 4 1/2 FH Anchor Length 19 Ft. Size 5/8 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4869 Ft. Clock No. 8474 Depth 4872 Ft. Clock No. 6799
 Top Make Kuster Cap. 4150 No. 2605 Inside Outside Bottom Make Kuster Cap. 4150 No. 969 Inside Outside
 Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 5:08 P M
 Tool Open I.F.P. From 5:10P M. to 6:10P M. - Hr. 60 Min. From (B) 0 P.S.I. To (C) 0 P.S.I.
 Tool Closed I.C.I.P. From 6:10P M. to 8:10P M. - Hr. 120 Min (D) 84 P.S.I.
 Tool Open F.F.P. From 8:10P M. to 11:10P M. 3 Hr. - Min. From (E) 0 P.S.I. To (F) 0 P.S.I.
 Tool Closed F.C.I.P. From 11:10M to 1:10A M. - Hr. 120 Min. (G) 65 P.S.I.
 Initial Hydrostatic Pressure (A) 2511 P.S.I. Final Hydrostatic Pressure (H) 2501 P.S.I. Maximum Temp. 128

INFORMATION

BLOW Fair 4" blow throughout test.

Did Well Flow Yes No Recovery Total Ft. 40' drilling mud.

Reversed Out Yes No Mud Type Starch Viscosity 51 Weight 9.8 Water Loss 10.4 cc. Chlorides 52,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint Yes Jars: Size 4 1/2 In. Make WTC Ser. No. 104

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Red Tiger Drilling Co. Length Drill Pipe? 3696 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe: 1136 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 FH In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 46 Ft.

Remarks: Outside recorder didn't work. Checked pipe coming out of hole for gas, no trace.

WESTERN TESTING CO., INC.
Pressure Data

Date 4-6-75 Test Ticket No. 24145
 Recorder No. 2605 Capacity 4150 Location 4869 Ft.
 Clock No. 8474 Elevation 1502 Kelly Bushing Well Temperature 128 °F

| Point | Pressure | | Time Given | Time Computed |
|--------------------------------|-------------|--------|---------------|------------------------|
| A Initial Hydrostatic Mud | <u>2511</u> | P.S.I. | <u>5:08 P</u> | M |
| B First Initial Flow Pressure | <u>0</u> | P.S.I. | <u>60</u> | Mins. <u>60</u> Mins. |
| C First Final Flow Pressure | <u>0</u> | P.S.I. | <u>120</u> | Mins. <u>117</u> Mins. |
| D Initial Closed-in Pressure | <u>84</u> | P.S.I. | <u>180</u> | Mins. <u>180</u> Mins. |
| E Second Initial Flow Pressure | <u>0</u> | P.S.I. | <u>120</u> | Mins. <u>120</u> Mins. |
| F Second Final Flow Pressure | <u>0</u> | P.S.I. | | |
| G Final Closed-in Pressure | <u>65</u> | P.S.I. | | |
| H Final Hydrostatic Mud | <u>2501</u> | P.S.I. | | |

PRESSURE BREAKDOWN

| Point Mins. | First Flow Pressure | Initial Shut-In | Second Flow Pressure | Final Shut-In |
|-------------|---|---|---|---|
| | Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min. | Breakdown: <u>39</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min. | Breakdown: <u>36</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min. | Breakdown: <u>40</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min. |
| | Point Minutes | Point Minutes | Point Minutes | Point Minutes |
| P 1 | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> |
| P 2 | <u>5</u> | <u>3</u> | <u>5</u> | <u>3</u> |
| P 3 | <u>10</u> | <u>6</u> | <u>10</u> | <u>6</u> |
| P 4 | <u>15</u> | <u>9</u> | <u>15</u> | <u>9</u> |
| P 5 | <u>20</u> | <u>12</u> | <u>20</u> | <u>12</u> |
| P 6 | <u>25</u> | <u>15</u> | <u>25</u> | <u>15</u> |
| P 7 | <u>30</u> | <u>18</u> | <u>30</u> | <u>18</u> |
| P 8 | <u>35</u> | <u>21</u> | <u>35</u> | <u>21</u> |
| P 9 | <u>40</u> | <u>24</u> | <u>40</u> | <u>24</u> |
| P 10 | <u>45</u> | <u>27</u> | <u>45</u> | <u>27</u> |
| P 11 | <u>50</u> | <u>30</u> | <u>50</u> | <u>30</u> |
| P 12 | <u>55</u> | <u>33</u> | <u>55</u> | <u>33</u> |
| P 13 | <u>60</u> | <u>36</u> | <u>60</u> | <u>36</u> |
| P 14 | | <u>39</u> | <u>65</u> | <u>39</u> |
| P 15 | | <u>42</u> | <u>70</u> | <u>42</u> |
| P 16 | | <u>45</u> | <u>75</u> | <u>45</u> |
| P 17 | | <u>48</u> | <u>80</u> | <u>48</u> |
| P 18 | | <u>51</u> | <u>85</u> | <u>51</u> |
| P 19 | | <u>54</u> | <u>90</u> | <u>54</u> |
| P 20 | | <u>57</u> | <u>95</u> | <u>57</u> |
| | | <u>60</u> | <u>100</u> | <u>60</u> |
| | | <u>63</u> | <u>105</u> | <u>63</u> |
| | | <u>66</u> | <u>110</u> | <u>66</u> |
| | | <u>69</u> | <u>115</u> | <u>69</u> |
| | | <u>72</u> | <u>120</u> | <u>72</u> |
| | | <u>75</u> | <u>125</u> | <u>75</u> |
| | | <u>78</u> | <u>130</u> | <u>78</u> |
| | | <u>81</u> | <u>135</u> | <u>81</u> |
| | | <u>84</u> | <u>140</u> | <u>84</u> |
| | | <u>87</u> | <u>145</u> | <u>87</u> |

WESTERN TESTING CO., INC.
Pressure Data

Continued.

Date 4-6-75 Test Ticket No. 24145
 Recorder No. 2605 Capacity 4150 Location 4896 Ft.
 Clock No. 8474 Elevation 1502 Kelly Bushing Well Temperature 128 °F

| Point | Pressure | | Time Given | Time Computed |
|-------|---|----------------------------|-------------|---------------|
| A | Initial Hydrostatic Mud _____ P.S.I. | Open Tool | _____ M | _____ |
| B | First Initial Flow Pressure _____ P.S.I. | First Flow Pressure | _____ Mins. | _____ Mins. |
| C | First Final Flow Pressure _____ P.S.I. | Initial Closed-in Pressure | _____ Mins. | _____ Mins. |
| D | Initial Closed-in Pressure _____ P.S.I. | Second Flow Pressure | _____ Mins. | _____ Mins. |
| E | Second Initial Flow Pressure _____ P.S.I. | Final Closed-in Pressure | _____ Mins. | _____ Mins. |
| F | Second Final Flow Pressure _____ P.S.I. | | | |
| G | Final Closed-in Pressure _____ P.S.I. | | | |
| H | Final Hydrostatic Mud _____ P.S.I. | | | |

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: _____ Inc.
 of _____ mins. and a
 final inc. of _____ Min.

Initial Shut-In
 Breakdown: 39 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 36 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 40 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
|-------------|--------|---------------|--------|---------------|--------|---------------|--------|
| P 1 | | 90 | 72 | 150 | 0 | 90 | 50 |
| P 2 | | 93 | 74 | 155 | 0 | 93 | 52 |
| P 3 | | 96 | 76 | 160 | 0 | 96 | 54 |
| P 4 | | 99 | 77 | 165 | 0 | 99 | 56 |
| P 5 | | 102 | 78 | 170 | 0 | 102 | 57 |
| P 6 | | 105 | 80 | 175 | 0 | 105 | 59 |
| P 7 | | 108 | 81 | 180 | 0 | 108 | 61 |
| P 8 | | 111 | 82 | | | 111 | 62 |
| P 9 | | 114 | 83 | | | 114 | 63 |
| P 10 | | 117 | 84 | | | 117 | 64 |
| P 11 | | | | | | 120 | 65 |
| P 12 | | | | | | | |
| P 13 | | | | | | | |
| P 14 | | | | | | | |
| P 15 | | | | | | | |
| P 16 | | | | | | | |
| P 17 | | | | | | | |
| P 18 | | | | | | | |
| P 19 | | | | | | | |
| P 20 | | | | | | | |

+kt# 24145

I

(1)

(A)

(G)

(F)

(E)

(D)

(C)

(B)

2605



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company **Imperial Oil Company** Lease & Well No. **EWB Ranch B #1**
Elevation **1502 Kelly Bushing** Formation **Mississippi** Effective Pay _____ Ft. Ticket No. **24146**
Date **4-7-75** Sec. **7** Twp. **35S** Range **4W** County **Barber** State **Kansas**
Test Approved by **Bill Iverson** Western Representative **Darrel Ferguson**

Formation Test No. **#3** O.K. Misrun Interval Tested From **4881'** to **4912'** Total Depth **4912'**
Size Main Hole **7 7/8** Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth **4876** Ft. Size **6 3/4** Bottom Packer Depth **4881** Ft. Size **6 3/4**
Straddle **No** Conv. B.T. Damaged Yes No Packer Depth _____ Ft. Size _____
Tool Size **510D** Tool Joint Size **4 1/2 FH** Anchor Length **31** Ft. Size **510D** Surface Choke Size **3/4** In. Bottom Choke Size **3/4** In.
RECORDERS Depth **4903** Ft. Clock No. **8474** Depth **4906** Ft. Clock No. **6799**
Top Make **Kuster** Cap. **4150** No. **2605** Inside Outside Bottom Make **Kuster** Cap. **4150** No. **969** Inside Outside
Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside Outside Depth _____ Ft. Rec. No. _____ Clock No. _____ Inside Outside

Time Set Packer **5:48 P.** M
Tool Open I.F.P. From **5:50P** M. to **6:50P** M. **1** Hr. _____ Min. From (B) **84** P.S.I. To (C) **82** P.S.I.
Tool Closed I.C.I.P. From **6:50P** M. to **8:50P** M. **2** Hr. _____ Min. (D) **1602** P.S.I.
Tool Open F.F.P. From **8:50P** M. to **11:50P** M. **3** Hr. _____ Min. From (E) **76** P.S.I. To (F) **224** P.S.I.
Tool Closed F.C.I.P. From **11:50P** M. to **1:50A** M. **2** Hr. _____ Min. (G) **1458** P.S.I.
Initial Hydrostatic Pressure (A) **2609** P.S.I. Final Hydrostatic Pressure (H) **2546** P.S.I. Maximum Temp. **129**

INFORMATION

BLOW **Weak to strong in 2 minutes. Gas to surface in 15 minutes pre-flow. See attached sheet for gas readings.**

Did Well Flow Yes No Recovery Total Ft. **330' Clean gassy oil. 360' frothy oil**

Reversed Out Yes No Mud Type **starch** Viscosity **48** Weight **9.7** Water Loss **6.7** cc. Chlorides **42,000 P.P.M.**

EXTRA EQUIPMENT: Type Circ. Sub. **Pin** Safety Joint Yes _____ Jars: Size **4 1/2** In. Make **WTC** Ser. No. **104**

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? _____

DRILLING CONTRACTOR **Red Tiger Drilling Co., Rig #6** Length Drill Pipe? **3718** Ft. I.D. Drill Pipe **3.8** In. Tool Joint Size **4 1/2 FH** In.

Length Weight Pipe **1136** Ft. I.D. Weight Pipe **2.7** In. Tool Joint Size **4 1/2 FH** In. Length Drill Collars _____ Ft. I.D. Drill Collars _____ In.

Tool Joint Size _____ In. Length D.S.T. Tool **58** Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 4-7-75 Test Ticket No. 24146
 Recorder No. 2605 Capacity 4150 Location 4903 Ft.
 Clock No. 8474 Elevation 1502 Kelly Bushing Well Temperature 129 °F

| Point | Pressure | | Time Given | Time Computed |
|---------------------------------|-------------|--------|---------------|------------------------|
| A. Initial Hydrostatic Mud | <u>2609</u> | P.S.I. | <u>5:48P.</u> | <u>M</u> |
| B. First Initial Flow Pressure | <u>84</u> | P.S.I. | <u>60</u> | Mins. <u>60</u> Mins. |
| C. First Final Flow Pressure | <u>82</u> | P.S.I. | <u>120</u> | Mins. <u>120</u> Mins. |
| D. Initial Closed-in Pressure | <u>1602</u> | P.S.I. | <u>180</u> | Mins. <u>180</u> Mins. |
| E. Second Initial Flow Pressure | <u>76</u> | P.S.I. | <u>120</u> | Mins. <u>120</u> Mins. |
| F. Second Final Flow Pressure | <u>224</u> | P.S.I. | | |
| G. Final Closed-in Pressure | <u>1458</u> | P.S.I. | | |
| H. Final Hydrostatic Mud | <u>2546</u> | P.S.I. | | |

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 40 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 36 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 40 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
|-------------|--------|---------------|--------|---------------|--------|---------------|--------|
| P 0 | 84 | 0 | 82 | 0 | 76 | 0 | 176 |
| P 1 | 70 | 3 | 593 | 5 | 56 | 3 | 572 |
| P 2 | 87 | 6 | 996 | 10 | 53 | 6 | 856 |
| P 3 | 84 | 9 | 1221 | 15 | 49 | 9 | 1145 |
| P 4 | 63 | 12 | 1319 | 20 | 50 | 12 | 1207 |
| P 5 | 61 | 15 | 1363 | 25 | 68 | 15 | 1238 |
| P 6 | 61 | 18 | 1388 | 30 | 80 | 18 | 1259 |
| P 7 | 63 | 21 | 1408 | 35 | 91 | 21 | 1275 |
| P 8 | 64 | 24 | 1421 | 40 | 99 | 24 | 1288 |
| P 9 | 70 | 27 | 1436 | 45 | 112 | 27 | 1302 |
| P 10 | 76 | 30 | 1448 | 50 | 121 | 30 | 1313 |
| P 11 | 80 | 33 | 1458 | 55 | 127 | 33 | 1323 |
| P 12 | 82 | 36 | 1469 | 60 | 133 | 36 | 1332 |
| P 13 | | 39 | 1479 | 65 | 144 | 39 | 1339 |
| P 14 | | 42 | 1490 | 70 | 149 | 42 | 1348 |
| P 15 | | 45 | 1496 | 75 | 157 | 45 | 1354 |
| P 16 | | 48 | 1504 | 80 | 163 | 48 | 1363 |
| P 17 | | 51 | 1510 | 85 | 167 | 51 | 1369 |
| P 18 | | 54 | 1517 | 90 | 169 | 54 | 1375 |
| P 19 | | 57 | 1523 | 95 | 172 | 57 | 1381 |
| P 20 | | 60 | 1529 | 100 | 176 | 60 | 1380 |
| | | 63 | 1533 | 105 | 179 | 63 | 1394 |
| | | 66 | 1540 | 110 | 184 | 66 | 1398 |
| | | 69 | 1544 | 115 | 185 | 69 | 1402 |
| | | 72 | 1548 | 120 | 186 | 72 | 1408 |
| | | 75 | 1552 | 125 | 190 | 75 | 1413 |
| | | 78 | 1556 | 130 | 193 | 78 | 1417 |
| | | 81 | 1561 | 135 | 197 | 81 | 1421 |
| | | 84 | 1565 | 140 | 198 | 84 | 1423 |
| | | 87 | 1567 | 145 | 201 | 87 | 1427 |

Cont'd

WESTERN TESTING CO., INC.
Pressure Data

Date 4-7-75
Recorder No. 2605
Clock No. 8474

Capacity 4150

Test Ticket No. 24146
Location 4903 Ft.
Well Temperature 129 °F

Elevation 1502 Kelly Bushing

Table with 5 columns: Point, Pressure, Open Tool, Time Given, Time Computed. Rows A-H describe various pressure points and tools.

PRESSURE BREAKDOWN

Table with 4 main columns: First Flow Pressure, Initial Shut-In, Second Flow Pressure, Final Shut-In. Each column has a breakdown description and a data table with Point Mins and Press.

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date **4-7-75** Ticket _____ Company **Imperial Oil Company**
Well Name and No. **EWB Ranch #1-B** Dst No. **3** Interval Tested **4881' to 4912'**
County **Barber** State **Kansas** Sec. **7** Twp. **35S** Rg. **4W**

| 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

| | | | | | | |
|---|---------|--------------|----------------|--|--|------------------|
| 6:05 P.M. | 15 min. | 21" of water | 1 1/4" orifice | | | 206,000 C.F.P.D. |
| 6:15 P.M. | 10 " | 9" " | " 1 1/4" " | | | 132,000 C.F.P.D. |
| 6:25 P.M. | 10 " | 64" " | 3/4" " | | | 114,000 C.F.P.D. |
| 6:35 P.M. | 10 " | 54" " | 3/4" " | | | 104,000 C.F.P.D. |
| 6:45 P.M. | 10 " | 42" " | 3/4" " | | | 92,000 C.F.P.D. |
| Gas to surface in 15 minutes in pre-flow period. | | | | | | |

SECOND FLOW

| | | | | | | |
|-------------------------------|---------|--------------|------------|--|--|------------------|
| 8:50 P.M. | 10 min. | 78" of water | 1" orifice | | | 228,000 C.F.P.D. |
| 9:00 P.M. | 10 " | 70" " | " 1" " | | | 216,000 C.F.P.D. |
| 9:10 P.M. | 10 " | 16" " | " 1" " | | | 103,000 C.F.P.D. |
| 9:20 P.M. | 10 " | 21" " | " 1/2" " | | | 28,700 C.F.P.D. |
| 9:30 P.M. | 10 " | 33" " | " 1/2" " | | | 36,000 C.F.P.D. |
| 9:40 P.M. | 10 " | 30" " | " 1/2" " | | | 34,300 C.F.P.D. |
| 9:50 P.M. | 10 " | 31" " | " 1/2" " | | | 34,900 C.F.P.D. |
| 10:00 P.M. | 10 " | 24" " | " 1/2" " | | | 30,700 C.F.P.D. |
| 10:10 P.M. | 10 " | 48" " | " 1/2" " | | | 43,400 C.F.P.D. |
| 10:20 P.M. | 10 " | 44" " | " 1/2" " | | | 41,600 C.F.P.D. |
| 10:30 P.M. | 10 " | 24" " | " 1/2" " | | | 30,700 C.F.P.D. |
| Continued on next page | | | | | | |

GAS BOTTLE

Serial No. _____ Date Bottle Filled **4-7-75** Date to be Invoiced **4-7-75**

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 **Imperial Oil Company**

Authorized by **Bill Iverson**

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

Cont'd

GAS FLOW REPORT

Date 4-7-75 Ticket 24146 Company Imperial Oil Company
Well Name and No. EWB Ranch B #1 Dst No. 3 Interval Tested 4881'-4912'
County Barber State Kansas Sec. 7 Twp. 35S Rg. 4W

| 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 | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| SECOND FLOW | | | | | | |
|--------------------|---------|--------------|--------------|--|--|-----------------|
| 10:40P.M. | 10 min. | 48" of water | 1/2" orifice | | | 43,400 C.F.P.D. |
| 10:50P.M. | 10 " | 48" " | 1/2" " | | | 43,400 C.F.P.D. |
| 11:00P.M. | 10 " | 40" " | 1/2" " | | | 39,600 C.F.P.D. |
| 11:10P.M. | 10 " | 44" " | 1/2" " | | | 41,600 C.F.P.D. |
| 11:20P.M. | 10 " | 38" " | 1/2" " | | | 38,600 C.F.P.D. |
| 11:30P.M. | 10 " | 46" " | 1/2" " | | | 42,500 C.F.P.D. |
| 11:40P.M. | 10 " | 40" " | 1/2" " | | | 39,600 C.F.P.D. |
| 11:50P.M. | 10 " | 44" " | 1/2" " | | | 41,600 C.F.P.D. |
| | | | | | | |
| | | | | | | |
| | | | | | | |

GAS BOTTLE

Serial No. _____ Date Bottle Filled 4-7-75 Date to be Invoiced 4-7-75

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 Imperial Oil Company
Authorized by Bill Iverson

