



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

Company Wilson Drilling Company Lease & Well No. Dutton #1
Elevation 1314 Kelly Bushings Formation Mississippian Effective Pay _____ Ft. Ticket No. 15634
Date March 12, 1972 Sec. 25 Twp. 25S Range 3E County Butler State Kansas
Test Approved by O. N. Wilson Western Representative Norman Allen

Formation Test No. 1 O.K. Misrun _____ Interval Tested From 2710' to 2720' Total Depth 2720'
Size Main Hole 7 7/8" Rat Hole _____ Conv. B.T. _____ Damaged Yes No Conv. _____ B.T. Damaged Yes No
Packer Depth 2705 Ft. Size 6 3/4" Packer Depth 2710 Ft. Size 6 3/4"
Straddle Yes _____ No Conv. _____ B.T. _____ Damaged Yes _____ No
Packer Depth _____ Ft. Size _____

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 10 Ft. Size 5 1/2" O.D.

RECORDERS Depth 2714 Ft. Clock No. 10412 Depth 2717 Ft. Clock No. 6892
Top Make Kuster Cap 4150 No. 2606 Inside _____ Outside _____ Bottom Make Kuster Cap 3150 No. 1565 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap _____ No. _____ Inside _____ Outside _____

Time Set Packer 10:03 A. M
Tool Open I.F.P. From 10:05 M. to 10:15 M. Hr. 10 Min. From (B) 30 P.S.I. To (C) 48 P.S.I.
Tool Closed I.C.I.P. From 10:15 M. to 11:00 M. Hr. 45 Min. (D) 831 P.S.I.
Tool Open F.F.P. From 11:00 M. to 1:00 M. Hr. 120 Min. From (E) 70 P.S.I. To (F) 215 P.S.I.
Tool Closed F.C.I.P. From 1:00 M. to 1:45 M. Hr. 45 Min. (G) 750 P.S.I.
Initial Hydrostatic Pressure (A) 1371 P.S.I. Final Hydrostatic Pressure (H) 1348 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Fair throughout test Bottom Choke Size 3/4 In.
Did Well Flow Yes No _____ Recovery Total Ft. 90 feet Gassy Oil (45° Gravity corrected)
60 feet Muddy gassy oil, 90 feet Slightly oil cut muddy salt water
240 feet Clean salt water (420 feet Gas in pipe)

Reversed Out Yes No _____ Mud Type Chem Viscosity 43 Weigh 9.4 Water Loss 10 cc. Maximum Temp. 105 °F
Type Circ. Sub. Fin Safety Joint No Jars: Size _____ Make _____ Ser. No. _____

EXTRA EQUIPMENT: Dual Packers Yes Did Packer Hold? Yes Did Tool Plug? No Where? _____
Length Drill Pipe 2000 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 330 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 39 ft.
I.D. Drill Collars 2 1/2 in. Length D.S.T. Tool 30 ft.

Remarks _____

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WESTERN TESTING CO., INC.

Pressure Data

25-25-3E

Date March 12, 1972 Test Ticket No. 15634
 Recorder No. 2606 Capacity 4150 Location 2714 Ft.
 Clock No. 10412 Elevation 1314 Kelly Bushings Well Temperature 109 °F

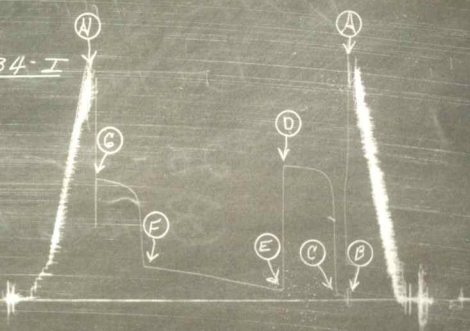
| Point | Pressure | | Time Given | Time Computed |
|--------------------------------|--------------------|----------------------------|-------------------|------------------|
| A Initial Hydrostatic Mud | <u>1371</u> P.S.I. | Open Tool | <u>10:03</u> A.M. | |
| B First Initial Flow Pressure | <u>30</u> P.S.I. | First Flow Pressure | <u>10</u> Mins. | <u>10</u> Mins. |
| C First Final Flow Pressure | <u>48</u> P.S.I. | Initial Closed-in Pressure | <u>45</u> Mins. | <u>45</u> Mins. |
| D Initial Closed-in Pressure | <u>831</u> P.S.I. | Second Flow Pressure | <u>120</u> Mins. | <u>120</u> Mins. |
| E Second Initial Flow Pressure | <u>70</u> P.S.I. | Final Closed-in Pressure | <u>45</u> Mins. | <u>45</u> Mins. |
| F Second Final Flow Pressure | <u>215</u> P.S.I. | | | |
| G Final Closed-in Pressure | <u>750</u> P.S.I. | | | |
| H Final Hydrostatic Mud | <u>1348</u> P.S.I. | | | |

PRESSURE BREAKDOWN

| First Flow Pressure | | Initial Shut-In | | Second Flow Pressure | | Final Shut-In | |
|--------------------------|-----------|---------------------------|------------|---------------------------|------------|---------------------------|------------|
| Breakdown: <u>2</u> Inc. | | Breakdown: <u>15</u> Inc. | | Breakdown: <u>24</u> Inc. | | Breakdown: <u>15</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 _____ Min. | | final inc. of _____ Min. | | final inc. of _____ Min. | | final inc. of _____ Min. | |
| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
| P 1 | <u>0</u> | <u>0</u> | <u>48</u> | <u>0</u> | <u>70</u> | <u>0</u> | <u>215</u> |
| P 2 | <u>5</u> | <u>3</u> | <u>522</u> | <u>5</u> | <u>71</u> | <u>3</u> | <u>428</u> |
| P 3 | <u>10</u> | <u>6</u> | <u>729</u> | <u>10</u> | <u>74</u> | <u>6</u> | <u>609</u> |
| P 4 | | <u>9</u> | <u>767</u> | <u>15</u> | <u>83</u> | <u>9</u> | <u>661</u> |
| P 5 | | <u>12</u> | <u>785</u> | <u>20</u> | <u>91</u> | <u>12</u> | <u>682</u> |
| P 6 | | <u>15</u> | <u>798</u> | <u>25</u> | <u>97</u> | <u>15</u> | <u>696</u> |
| P 7 | | <u>18</u> | <u>806</u> | <u>30</u> | <u>104</u> | <u>18</u> | <u>707</u> |
| P 8 | | <u>21</u> | <u>810</u> | <u>35</u> | <u>110</u> | <u>21</u> | <u>715</u> |
| P 9 | | <u>24</u> | <u>814</u> | <u>40</u> | <u>118</u> | <u>24</u> | <u>721</u> |
| P 10 | | <u>27</u> | <u>819</u> | <u>45</u> | <u>122</u> | <u>27</u> | <u>727</u> |
| P 11 | | <u>30</u> | <u>821</u> | <u>50</u> | <u>131</u> | <u>30</u> | <u>731</u> |
| P 12 | | <u>33</u> | <u>824</u> | <u>55</u> | <u>139</u> | <u>33</u> | <u>735</u> |
| P 13 | | <u>36</u> | <u>826</u> | <u>60</u> | <u>147</u> | <u>36</u> | <u>740</u> |
| P 14 | | <u>39</u> | <u>828</u> | <u>65</u> | <u>156</u> | <u>39</u> | <u>742</u> |
| P 15 | | <u>42</u> | <u>830</u> | <u>70</u> | <u>160</u> | <u>42</u> | <u>746</u> |
| P 16 | | <u>45</u> | <u>831</u> | <u>75</u> | <u>166</u> | <u>45</u> | <u>750</u> |
| P 17 | | | | <u>80</u> | <u>172</u> | | |
| P 18 | | | | <u>85</u> | <u>176</u> | | |
| P 19 | | | | <u>90</u> | <u>180</u> | | |
| P 20 | | | | <u>95</u> | <u>187</u> | | |
| | | | | <u>100</u> | <u>191</u> | | |
| | | | | <u>105</u> | <u>197</u> | | |
| | | | | <u>110</u> | <u>201</u> | | |
| | | | | <u>115</u> | <u>208</u> | | |
| | | | | <u>120</u> | <u>215</u> | | |

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TKT-15634-I



25-25-3E



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

Company Wilson Drilling Company Lease & Well No. Dutton #1
Elevation 1314 Kelly Bushings Formation Viola Effective Pay _____ Ft. Ticket No. 15635
Date 3-13-72 Sec. 25 Twp. 25S Range 3E County Butler State Kansas
Test Approved by James A. Henderson Western Representative Norman Allen

Formation Test No. 2 O.K. Misrun _____ Interval Tested From 3049' to 3056' Total Depth 3056'
Size Main Hole 7 7/8" Rat Hole _____ Conv. B.T. _____ Damaged _____ Yes No Conv. _____ B.T. Damaged _____ Yes No
Packer Depth 3044 Ft. Size 6 3/4" Packer Depth 3049 Ft. Size 6 3/4"
Straddle _____ Yes _____ No Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth _____ Ft. Size _____

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" P.H. Anchor Length 7 Ft. Size 5 1/2" O.D.
RECORDERS Depth 3036 Ft. Clock No. 10412 Depth 3053 Ft. Clock No. 6892
Top Make Kuster Cap. 1150 No. 2606 Inside _____ Outside _____ Bottom Make Kuster Cap. 1150 No. 1565 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 7:18 P. M
Tool Open I.F.P. From 7:20 M. to 7:30 M. H. 10 Min. From (B) 31 P.S.I. To (C) 100 P.S.I.
Tool Closed I.C.I.P. From 7:30 M. to 8:15 M. H. 45 Min. (D) 1173 P.S.I.
Tool Open F.F.P. From 8:15 M. to 9:15 M. H. 60 Min. From (E) 130 P.S.I. To (F) 410 P.S.I.
Tool Closed F.C.I.P. From 9:15 M. to 10:00 P.M. H. 45 Min. (G) 1171 P.S.I.
Initial Hydrostatic Pressure (A) 1551 P.S.I. Final Hydrostatic Pressure (H) 1530 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Fair throughout test Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes No _____ Recovery Total Ft. 810 feet Salt Water

Reversed Out _____ Yes No _____ Mud Type Chem Viscosity 43 Weight 9.4 Water Loss 10 cc. Maximum Temp 116 °F
Type Circ. Sub. Pin Did Tool Plug? No Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where? _____
Length Drill Pipe 2304 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 330 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 390 ft.
I. D. Drill Collars 2 1/2 in. Length D.S.T. Tool 32 ft.

Remarks _____

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25-25-38

WESTERN TESTING CO., INC.
Pressure Data

Date March 13, 1972 Test Ticket No. 15635
 Recorder No. 2606 Capacity 4150 Location 3036 Ft.
 Clock No. 10412 Elevation 1314 Kelly Bushings Well Temperature 116 °F

| Point | Pressure | | Time Given | Time Computed |
|--------------------------------|--------------------|----------------------------|-------------------|-----------------|
| A Initial Hydrostatic Mud | 1551 P.S.I. | Open Tool | 7:18 P. M. | |
| B First Initial Flow Pressure | 31 P.S.I. | First Flow Pressure | 10 Mins. | 10 Mins. |
| C First Final Flow Pressure | 100 P.S.I. | Initial Closed-in Pressure | 45 Mins. | 45 Mins. |
| D Initial Closed-in Pressure | 1173 P.S.I. | Second Flow Pressure | 60 Mins. | 60 Mins. |
| E Second Initial Flow Pressure | 130 P.S.I. | Final Closed-in Pressure | 45 Mins. | 45 Mins. |
| F Second Final Flow Pressure | 410 P.S.I. | | | |
| G Final Closed-in Pressure | 1171 P.S.I. | | | |
| H Final Hydrostatic Mud | 1530 P.S.I. | | | |

PRESSURE BREAKDOWN

| First Flow Pressure | | Initial Shut-In | | Second Flow Pressure | | Final Shut-In | |
|--------------------------|------------|---------------------------|-------------|---------------------------|------------|---------------------------|-------------|
| Breakdown: 2 Inc. | | Breakdown: 15 Inc. | | Breakdown: 12 Inc. | | Breakdown: 15 Inc. | |
| of 5 mins. and a | | of 3 mins. and a | | of 5 mins. and a | | of 3 mins. and a | |
| final inc. of _____ Min. | | final inc. of _____ Min. | | final inc. of _____ Min. | | final inc. of _____ Min. | |
| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
| P 1 0 | 31 | 0 | 100 | 0 | 130 | 0 | 410 |
| P 2 5 | 62 | 3 | 1144 | 5 | 145 | 3 | 1138 |
| P 3 10 | 100 | 6 | 1157 | 10 | 180 | 6 | 1149 |
| P 4 | | 9 | 1163 | 15 | 212 | 9 | 1155 |
| P 5 | | 12 | 1165 | 20 | 243 | 12 | 1159 |
| P 6 | | 15 | 1166 | 25 | 272 | 15 | 1161 |
| P 7 | | 18 | 1167 | 30 | 303 | 18 | 1162 |
| P 8 | | 21 | 1168 | 35 | 332 | 21 | 1163 |
| P 9 | | 24 | 1169 | 40 | 353 | 24 | 1164 |
| P10 | | 27 | 1170 | 45 | 368 | 27 | 1165 |
| P11 | | 30 | 1171 | 50 | 382 | 30 | 1166 |
| P12 | | 33 | 1172 | 55 | 399 | 33 | 1167 |
| P13 | | 36 | 1173 | 60 | 410 | 36 | 1168 |
| P14 | | 39 | 1173 | | | 39 | 1169 |
| P15 | | 42 | 1173 | | | 42 | 1170 |
| P16 | | 45 | 1173 | | | 45 | 1171 |
| P17 | | | | | | | |
| P18 | | | | | | | |
| P19 | | | | | | | |
| P20 | | | | | | | |

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