



Home Office: Great Bend, Kansas
 P. O. Box 793 Gladstone 3-7903

Company Bowers Drilling Company Lease & Well No. Lanker #B-1
 Elevation 1671' K.B. Ticket Number 3811
 Date 3-13-64 Sec. 26 Twp. 32S Range 13W County Barber State Kansas
 Test Approved by Robert McCann Western Representative George Tew

Formation Test No. 1 O.K. Misrun _____ Interval Tested From 3876' to 3900' Total Depth 3900'
 Size Main Hole 7 7/8" Rat Hole None Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Packer Depth 3876 Ft. Size 6 3/4" Packer Depth 3871 Ft. Size 6 3/4"
 Straddle _____ Yes _____ No Conv. _____ B.T. _____ Damaged _____ Yes _____ No
 Packer Depth _____ Ft. Size _____
 Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" IF Anchor Length 24 Ft. Size 5 1/2" O.D.

RECORDERS Depth 3890 Ft. Clock No. 6861 Depth 3893 Ft. Clock No. 60
 Top Make Amerada Cap. 4200# No. 1558 Inside Outside Bottom Make Western Cap. 4000# No. 60 Inside Outside
 Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
 Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
 Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 2:20A _____ M
 Tool Open I.F.P. From 2:23A M to 2:28A M - Hr. 5 Min. From (B) 120 P.S.I. To (C) 120 P.S.I.
 Tool Closed I.C.I.P. From 2:38A M. to 2:58A M. - Hr. 30 Min. (D) 1083 P.S.I.
 Tool Open F.F.P. From 2:58A M. to 3:58A M. 1 Hr. - Min. From (E) 143 P.S.I. To (F) 164 P.S.I.
 Tool Closed F.C.I.P. From 3:58A M. to 4:28A M. - Hr. 30 Min. (G) 432 P.S.I.
 Initial Hydrostatic Pressure (A) 2116 P.S.I. Final Hydrostatic Pressure (H) 2095 P.S.I.

SURFACE Size Choke 1/2 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
 INFORMATION _____ M. _____
 _____ M. _____
 _____ M. _____

BLOW Weak to dead in 10 mins. - Flushed tool - No help Bottom Choke Size 3/4 in.
 Did Well Flow _____ Yes No _____ Recovery Total Ft. 270' Thin Mud

Reversed Out _____ Yes No _____ Mud Type Starch Viscosity 41 Weight 9.6 Maximum Temp. 117 °F
 EXTRA EQUIPMENT: Dual Packers Yes Safety Joint Yes Jars: Size 4 1/2" OD Make Bowen Ser. No. 2638
 Type Circ. Sub. Plug Did Tool Plug? No Where? _____ Did Packer Hold? Yes
 Length Drill Pipe 3766 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars 180 ft.
 I. D. Drill Collars 2.25 in. Length D. S. T. Tool 54 ft.

Remarks _____

WESTERN TESTING CO., INC.

Pressure Data

Date 3-13-64 Test Ticket No. 3811
 Recorder No. 1558 Capacity 4200# Location 3890 Ft.
 Clock No. 6861 Elevation 1671' K.B. Well Temperature 117 °F

| Point | Pressure | | Time Given | Time Computed |
|--------------------------------|--------------------|----------------------------|-----------------|-----------------|
| A Initial Hydrostatic Mud | <u>2116</u> P.S.I. | Opened Tool | <u>2:20</u> A | <u>2:20</u> AM |
| B First Initial Flow Pressure | <u>120</u> P.S.I. | First Flow Pressure | <u>5</u> Mins. | <u>5</u> Mins. |
| C First Final Flow Pressure | <u>120</u> P.S.I. | Initial Closed-in Pressure | <u>30</u> Mins. | <u>33</u> Mins. |
| D Initial Closed-in Pressure | <u>1083</u> P.S.I. | Second Flow Pressure | <u>60</u> Mins. | <u>60</u> Mins. |
| E Second Initial Flow Pressure | <u>143</u> P.S.I. | Final Closed-in Pressure | <u>30</u> Mins. | <u>34</u> Mins. |
| F Second Final Flow Pressure | <u>164</u> P.S.I. | | | |
| G Final Closed-in Pressure | <u>432</u> P.S.I. | | | |
| H Final Hydrostatic Mud | <u>2095</u> P.S.I. | | | |

PRESSURE BREAKDOWN

| | | | |
|--|---|--|---|
| First Flow Press. Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min. | Initial Shut-In Breakdown: <u>11</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min. | Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min. | Final Shut-In Breakdown: <u>11</u> Inc. of <u>3</u> mins. and a final inc. of <u>1</u> Min. |
|--|---|--|---|

| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
|--------------|------------|---------------|-------------|---------------|------------|---------------|------------|
| P 1 <u>0</u> | <u>120</u> | <u>0</u> | <u>120</u> | <u>0</u> | <u>143</u> | <u>0</u> | <u>164</u> |
| P 2 <u>5</u> | <u>120</u> | <u>3</u> | <u>770</u> | <u>5</u> | <u>143</u> | <u>3</u> | <u>200</u> |
| P 3 | | <u>6</u> | <u>956</u> | <u>10</u> | <u>143</u> | <u>6</u> | <u>242</u> |
| P 4 | | <u>9</u> | <u>1031</u> | <u>15</u> | <u>143</u> | <u>9</u> | <u>276</u> |
| P 5 | | <u>12</u> | <u>1060</u> | <u>20</u> | <u>143</u> | <u>12</u> | <u>301</u> |
| P 6 | | <u>15</u> | <u>1075</u> | <u>25</u> | <u>143</u> | <u>15</u> | <u>326</u> |
| P 7 | | <u>18</u> | <u>1079</u> | <u>30</u> | <u>143</u> | <u>18</u> | <u>348</u> |
| P 8 | | <u>21</u> | <u>1081</u> | <u>35</u> | <u>143</u> | <u>21</u> | <u>369</u> |
| P 9 | | <u>24</u> | <u>1083</u> | <u>40</u> | <u>143</u> | <u>24</u> | <u>386</u> |
| P10 | | <u>27</u> | <u>1083</u> | <u>45</u> | <u>164</u> | <u>27</u> | <u>400</u> |
| P11 | | <u>30</u> | <u>1083</u> | <u>50</u> | <u>164</u> | <u>30</u> | <u>413</u> |
| P12 | | <u>33</u> | <u>1083</u> | <u>55</u> | <u>164</u> | <u>33</u> | <u>430</u> |
| P13 | | | | <u>60</u> | <u>164</u> | <u>34</u> | <u>432</u> |
| P14 | | | | | | | |
| P15 | | | | | | | |
| P16 | | | | | | | |
| P17 | | | | | | | |
| P18 | | | | | | | |
| P19 | | | | | | | |
| P20 | | | | | | | |

Bowers Drlg. Co.
WONKER #E-1

TEST # 1
TKT # 3811

