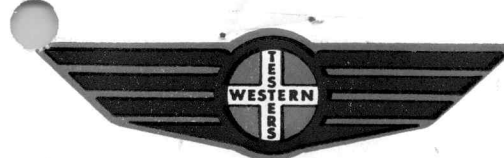


15-179-20086



1-10-29W

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

Company Abercrombie Drilg. Inc. Lease & Well No. Heier # 1  
 Elevation 2831 Kelly Bushing Formation Kansas City Effective Pay \_\_\_\_\_ Ft. Ticket No. 10529  
 Date 3-30-68 Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Range \_\_\_\_\_ County Sheridan State Kansas  
 Test Approved by Jack Wharton Western Representative Gordon Young  
 Formation Test No. 1 O.K. X Misrun \_\_\_\_\_ Interval Tested From 3976' to 4005' Total Depth 4005'  
 Size Main Hole 6 3/4 Rat Hole \_\_\_\_\_ Conv. X B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes X No Conv. X B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes X No  
 Packer Depth 3971 Ft. Size 5 1/2 Packer Depth 3976 Ft. Size 5 1/2  
 Straddle \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Conv. \_\_\_\_\_ B.T. \_\_\_\_\_ Damaged \_\_\_\_\_ Yes \_\_\_\_\_ No  
 Packer Depth \_\_\_\_\_ Ft. Size \_\_\_\_\_  
 Tool Size 4 1/2" OD Tool Jt. Size 4" FH-3 1/2" IF Anchor Length 29 Ft. Size 4 1/2" OD  
 RECORDERS Depth 3998 Ft. Clock No. 9102 Depth 4001 Ft. Clock No. 8377  
 Top Make Kuster Cap. 4150 No. 2605 ~~Inside~~ Outside Bottom Make Kuster Cap. 4200 No. 1559 ~~Inside~~ Outside  
 Below Straddle: Depth \_\_\_\_\_ Clock No. \_\_\_\_\_ Inside Depth \_\_\_\_\_ Ft. Clock No. \_\_\_\_\_ Inside  
 Top Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Inside Bottom Make \_\_\_\_\_ Cap. \_\_\_\_\_ No. \_\_\_\_\_ Inside  
 Time Set Packer 8:25 P. M.  
 Tool Open I.F.P. From 8:27 M. to 8:32 P M. Hr. 5 Min. From (B) 25 P.S.I. To (C) 25 P.S.I.  
 Tool Closed I.C.I.P. From 8:32 M. to 9:02 P M. Hr. 30 Min. (D) 1304 P.S.I.  
 Tool Open F.F.P. From 9:02 M. to 9:32 P M. Hr. 30 Min. From (E) 37 P.S.I. To (F) 31 P.S.I.  
 Tool Closed F.C.I.P. From 9:32 M. to 10:02 P M. Hr. 30 Min. (G) 1260 P.S.I.  
 Initial Hydrostatic Pressure (A) 2133 P.S.I. Final Hydrostatic Pressure (H) 2100 P.S.I.  
 SURFACE Size Choke 3/4 In. Max. Press. P.S.I. \_\_\_\_\_ Time \_\_\_\_\_ Description of Flow \_\_\_\_\_  
 INFORMATION \_\_\_\_\_ M. \_\_\_\_\_  
 \_\_\_\_\_ M. \_\_\_\_\_  
 \_\_\_\_\_ M. \_\_\_\_\_  
 BLOW Weak. Bottom Choke Size 3/4 In.  
 Did Well Flow \_\_\_\_\_ Yes X No \_\_\_\_\_ Recovery Total Ft. 15 feet mud with spots of oil.  
 Reversed Out \_\_\_\_\_ Yes X No \_\_\_\_\_ Mud Type Chem. Viscosity 39 Weight 9.7 Water Loss 9. cc. Maximum Temp. 120 °F  
 Type Circ. Sub. plug Did Tool Plug? no Jars: Size \_\_\_\_\_ Make \_\_\_\_\_ Ser. No. \_\_\_\_\_  
 EXTRA EQUIPMENT: Dual Packers yes Safety Joint \_\_\_\_\_ Did Packer Hold? yes Where? \_\_\_\_\_  
 Length Drill Pipe 2797 ft. I.D. Drill Pipe 2.7 in. Length Weight Pipe 1260 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars \_\_\_\_\_ ft.  
 I. D. Drill Collars \_\_\_\_\_ in. Length D.S.T. Tool 50 ft.  
 Remarks Open tool final flow period. No blow. Flush tool 15 minutes - no blow.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 3-30-68 Recorder No. 2605 Capacity 4150 Test Ticket No. 10529  
Clock No. 9102 Elevation 2831 Kelly Bushing Location 3998 Ft.   
Well Temperature 120 °F

| Point                          | Pressure           |                            | Time Given       | Time Computed   |
|--------------------------------|--------------------|----------------------------|------------------|-----------------|
| A Initial Hydrostatic Mud      | <u>2133</u> P.S.I. | Opened Tool                | <u>8:25 P.</u> M |                 |
| B First Initial Flow Pressure  | <u>25</u> P.S.I.   | First Flow Pressure        | <u>5</u> Mins.   | <u>5</u> Mins.  |
| C First Final Flow Pressure    | <u>25</u> P.S.I.   | Initial Closed-in Pressure | <u>30</u> Mins.  | <u>30</u> Mins. |
| D Initial Closed-in Pressure   | <u>1304</u> P.S.I. | Second Flow Pressure       | <u>30</u> Mins.  | <u>31</u> Mins. |
| E Second Initial Flow Pressure | <u>37</u> P.S.I.   | Final Closed-in Pressure   | <u>30</u> Mins.  | <u>30</u> Mins. |
| F Second Final Flow Pressure   | <u>31</u> P.S.I.   |                            |                  |                 |
| G Final Closed-in Pressure     | <u>1260</u> P.S.I. |                            |                  |                 |
| H Final Hydrostatic Mud        | <u>2100</u> P.S.I. |                            |                  |                 |

**PRESSURE BREAKDOWN**

| First Flow Press.            |           | Initial Shut-In              |             | Second Flow Pressure        |           | Final Shut-In                |             |
|------------------------------|-----------|------------------------------|-------------|-----------------------------|-----------|------------------------------|-------------|
| Breakdown: <u>1</u> Inc.     |           | Breakdown: <u>10</u> Inc.    |             | Breakdown: <u>6</u> Inc.    |           | Breakdown: <u>10</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>--</u> Min. |           | final inc. of <u>--</u> Min. |             | final inc. of <u>1</u> Min. |           | final inc. of <u>--</u> Min. |             |
| Point Mins.                  | Press.    | Point Minutes                | Press.      | Point Minutes               | Press.    | Point Minutes                | Press.      |
| P 1 <u>0</u>                 | <u>25</u> | <u>0</u>                     | <u>25</u>   | <u>0</u>                    | <u>37</u> | <u>0</u>                     | <u>31</u>   |
| P 2 <u>5</u>                 | <u>25</u> | <u>3</u>                     | <u>564</u>  | <u>5</u>                    | <u>37</u> | <u>3</u>                     | <u>518</u>  |
| P 3                          |           | <u>6</u>                     | <u>1028</u> | <u>10</u>                   | <u>37</u> | <u>6</u>                     | <u>954</u>  |
| P 4                          |           | <u>9</u>                     | <u>1235</u> | <u>15</u>                   | <u>37</u> | <u>9</u>                     | <u>1167</u> |
| P 5                          |           | <u>12</u>                    | <u>1264</u> | <u>20</u>                   | <u>31</u> | <u>12</u>                    | <u>1204</u> |
| P 6                          |           | <u>15</u>                    | <u>1275</u> | <u>25</u>                   | <u>31</u> | <u>15</u>                    | <u>1223</u> |
| P 7                          |           | <u>18</u>                    | <u>1285</u> | <u>30</u>                   | <u>31</u> | <u>18</u>                    | <u>1238</u> |
| P 8                          |           | <u>21</u>                    | <u>1292</u> | <u>31</u>                   | <u>31</u> | <u>21</u>                    | <u>1244</u> |
| P 9                          |           | <u>24</u>                    | <u>1296</u> |                             |           | <u>24</u>                    | <u>1250</u> |
| P 10                         |           | <u>27</u>                    | <u>1302</u> |                             |           | <u>27</u>                    | <u>1256</u> |
| P 11                         |           | <u>30</u>                    | <u>1304</u> |                             |           | <u>30</u>                    | <u>1260</u> |
| P 12                         |           |                              |             |                             |           |                              |             |
| P 13                         |           |                              |             |                             |           |                              |             |
| P 14                         |           |                              |             |                             |           |                              |             |
| P 15                         |           |                              |             |                             |           |                              |             |
| P 16                         |           |                              |             |                             |           |                              |             |
| P 17                         |           |                              |             |                             |           |                              |             |
| P 18                         |           |                              |             |                             |           |                              |             |
| P 19                         |           |                              |             |                             |           |                              |             |
| P 20                         |           |                              |             |                             |           |                              |             |

Abercombie Drlg Co.

TKT-10529

Heier #1

Test #1

