



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Range Oil Company, Inc. Lease & Well No. Lovell A #1
Elevation 1100 Kelly Bush Formation Layton Effective Pay - Ft. Ticket No. 21902
Date 7-9-77 Sec. 9 Twp. 34S Range 3E County Cowley State Kansas
Test Approved by Gerald B. Becker Western Representative Sam McClune
Formation Test No. 1 O.K. X Misrun - Interval Tested From 2885' to 2895' Total Depth 2895'
Size Main Hole 7 7/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No
Top Packer Depth 2880 Ft. Size 6 3/4 Bottom Packer Depth 2885 Ft. Size 6 3/4
Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 10 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 2888 Ft. Clock No. 6800 Depth 2892 Ft. Clock No. 6896
Top Make Kuster Cap. 4200 No. 1558 Inside Bottom Make Kuster Cap. 3150 No. 1564 Inside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Depth - Ft. Rec. No. - Clock No. - Inside
Time Set Packer 10:49A. M
Tool Open I.F.P. From 10:50A M. to 11:20A M. - Hr. 30 Min. From (B) 17 P.S.I. To (C) 45 P.S.I.
Tool Closed I.C.I.P. From 11:20A M. to 11:50A M. - Hr. 30 Min (D) 931 P.S.I.
Tool Open F.F.P. From 11:50A M. to 12:50P M. - Hr. 60 Min. From (E) 48 P.S.I. To (F) 75 P.S.I.
Tool Closed F.C.I.P. From 12:50P M. to 1:35P M. - Hr. 45 Min. (G) 898 P.S.I.
Initial Hydrostatic Pressure (A) 1312 P.S.I. Final Hydrostatic Pressure (H) 1311 P.S.I. Maximum Temp. 116

INFORMATION

BLOW Fair blow throughout test, off bottom of the bucket 17 minutes into initial flow period.

Did Well Flow - Yes X No Recovery Total Ft. 1546' of gas in pipe, 210' of total fluid. 150' of heavy oil and gas cut mud (.163 BO, .305 BM, .13 BW) 30' of gassy oil (.15 BO), 30' of oily water (.01 BO, .14 BW)

Reversed Out - Yes X No Mud Type Chem Viscosity 42 Weight 9.6 Water Loss 11.6 cc. Chlorides 3400 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

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

DRILLING CONTRACTOR White & Ellis Drlg, Inc. Length Drill Pipe? 2333 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 112 Ft. I.D. Drill Collars 2.25 In.

Tool Joint Size 4 1/2 H-90 Length D.S.T. Tool 30 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

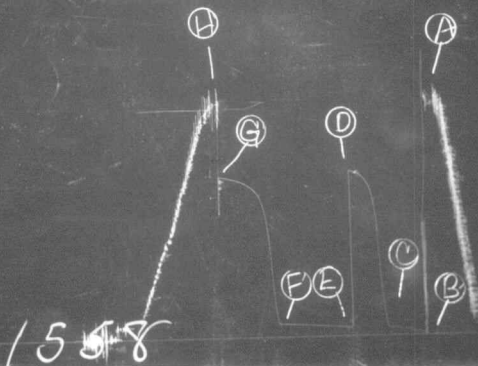
Date 7-9-77 Test Ticket No. 21902
 Recorder No. 1558 Capacity 4200 Location 2888 Ft.
 Clock No. 6800 Elevation 1100 Kelly Bushing Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1312</u> P.S.I.	Open Tool	<u>10:49 P.</u> M	
B First Initial Flow Pressure	<u>17</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>45</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>931</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>48</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>75</u> P.S.I.			
G Final Closed-in Pressure	<u>898</u> P.S.I.			
H Final Hydrostatic Mud	<u>1311</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</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 <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>17</u>	<u>0</u>	<u>45</u>	<u>0</u>	<u>48</u>	<u>0</u>	<u>75</u>
P 2 <u>5</u>	<u>21</u>	<u>3</u>	<u>169</u>	<u>5</u>	<u>51</u>	<u>3</u>	<u>205</u>
P 3 <u>10</u>	<u>29</u>	<u>6</u>	<u>363</u>	<u>10</u>	<u>54</u>	<u>6</u>	<u>458</u>
P 4 <u>15</u>	<u>34</u>	<u>9</u>	<u>584</u>	<u>15</u>	<u>55</u>	<u>9</u>	<u>633</u>
P 5 <u>20</u>	<u>40</u>	<u>12</u>	<u>741</u>	<u>20</u>	<u>59</u>	<u>12</u>	<u>729</u>
P 6 <u>25</u>	<u>44</u>	<u>15</u>	<u>829</u>	<u>25</u>	<u>61</u>	<u>15</u>	<u>781</u>
P 7 <u>30</u>	<u>45</u>	<u>18</u>	<u>870</u>	<u>30</u>	<u>63</u>	<u>18</u>	<u>810</u>
P 8		<u>21</u>	<u>893</u>	<u>35</u>	<u>66</u>	<u>21</u>	<u>833</u>
P 9		<u>24</u>	<u>910</u>	<u>40</u>	<u>70</u>	<u>24</u>	<u>850</u>
P10		<u>27</u>	<u>921</u>	<u>45</u>	<u>70</u>	<u>27</u>	<u>862</u>
P11		<u>30</u>	<u>931</u>	<u>50</u>	<u>72</u>	<u>30</u>	<u>870</u>
P12				<u>55</u>	<u>74</u>	<u>33</u>	<u>879</u>
P13				<u>60</u>	<u>75</u>	<u>36</u>	<u>885</u>
P14						<u>39</u>	<u>889</u>
P15						<u>42</u>	<u>893</u>
P16						<u>45</u>	<u>898</u>
P17							
P18							
P19							
P20							

TK4#21902
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Company Range Oil Company, Inc. Lease & Well No. Lovell A #1
Elevation 1100 Kelly Bush. Formation Kansas City Effective Pay - Ft. Ticket No. 21903
Date 7-10-77 Sec. 9 Twp. 34S Range 3E County Cowley State Kansas
Test Approved by Gerald B. Becker Western Representative Sam McClune
Formation Test No. 2 O.K. X Misrun - Interval Tested From 2820' to 2835' Total Depth 2835'
Size Main Hole 7 7/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No
Top Packer Depth 2815 Ft. Size 6 3/4 Bottom Packer Depth 2820 Ft. Size 6 3/4
Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 15 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 2827 Ft. Clock No. 6800 Depth 2830 Ft. Clock No. 6895
Top Make Kuster Cap. 3150 No. 1558 Inside Bottom Make Kuster Cap. 3150 No. 1564 Inside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Depth - Ft. Rec. No. - Clock No. - Inside
Time Set Packer 8:55 A. M
Tool Open I.F.P. From 8:57A M. to 9:27A M. - Hr. 30 Min. From (B) 10 P.S.I. To (C) 15 P.S.I.
Tool Closed I.C.I.P. From 9:27A M. to 9:57A M. - Hr. 30 Min (D) 816 P.S.I.
Tool Open F.F.P. From 9:57A M. to 10:27A M. - Hr. 30 Min. From (E) 31 P.S.I. To (F) 27 P.S.I.
Tool Closed F.C.I.P. From 10:27A M. to 10:57A M. - Hr. 30 Min. (G) 598 P.S.I.
Initial Hydrostatic Pressure (A) 1443 P.S.I. Final Hydrostatic Pressure (H) 1439 P.S.I. Maximum Temp. 121

INFORMATION

BLOW Weak blow for 15 minutes, then died.

Did Well Flow - Yes X No - Recovery Total Ft. 30' of drilling mud with a few specks of oil and gas bubbles (= .15 barrels)

Reversed Out - Yes X No - Mud Type Chem Viscosity 44 Weight 9.7 Water Loss 10.8 cc. Chlorides 3,600 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

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

DRILLING CONTRACTOR White & Ellis Drlg. (#4) Length Drill Pipe? 2688 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 112 Ft. I.D. Drill Collars 2.25 In.

Tool Joint Size 4 1/2 H-90 In. Length D.S.T. Tool 35 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 7-10-77 Test Ticket No. 21903
 Recorder No. 1558 Capacity 3150 Location 2827 Ft.
 Clock No. 6800 Elevation 1100 Kelly Bushing Well Temperature 121 °F

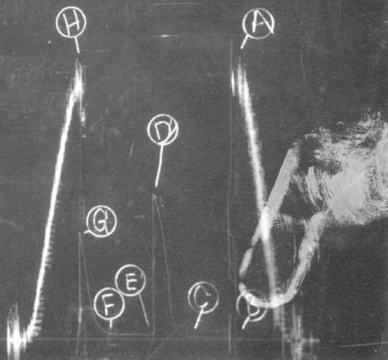
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1443</u> P.S.I.	Open Tool	<u>8:55A.</u> M	
B First Initial Flow Pressure	<u>10</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>15</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>816</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>31</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>27</u> P.S.I.			
G Final Closed-in Pressure	<u>598</u> P.S.I.			
H Final Hydrostatic Mud	<u>1437</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</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>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>10</u>	<u>0</u>	<u>15</u>	<u>0</u>	<u>31</u>	<u>0</u>	<u>27</u>
P 2 <u>5</u>	<u>10</u>	<u>3</u>	<u>17</u>	<u>5</u>	<u>25</u>	<u>3</u>	<u>29</u>
P 3 <u>10</u>	<u>10</u>	<u>6</u>	<u>25</u>	<u>10</u>	<u>26</u>	<u>6</u>	<u>34</u>
P 4 <u>15</u>	<u>13</u>	<u>9</u>	<u>44</u>	<u>15</u>	<u>27</u>	<u>9</u>	<u>44</u>
P 5 <u>20</u>	<u>13</u>	<u>12</u>	<u>88</u>	<u>20</u>	<u>27</u>	<u>12</u>	<u>61</u>
P 6 <u>25</u>	<u>15</u>	<u>15</u>	<u>217</u>	<u>25</u>	<u>27</u>	<u>15</u>	<u>93</u>
P 7 <u>30</u>	<u>15</u>	<u>18</u>	<u>434</u>	<u>30</u>	<u>27</u>	<u>18</u>	<u>150</u>
P 8		<u>21</u>	<u>610</u>			<u>21</u>	<u>251</u>
P 9		<u>24</u>	<u>614</u>			<u>24</u>	<u>405</u>
P10		<u>27</u>	<u>793</u>			<u>27</u>	<u>537</u>
P11		<u>30</u>	<u>816</u>			<u>30</u>	<u>598</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TK# 2190.3

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Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Range Oil Company, Inc. Lease & Well No. Lovell A #1
Elevation 1100 Kelly Bush. Formation Cleveland Effective Pay - Ft. Ticket No. 21904
Date 7-11-77 Sec. 9 Twp. 34S Range 3E County Cowley State Kansas
Test Approved by Gerald B. Becker Western Representative Sam McClune
Formation Test No. 3 O.K. ☒ Misrun ☐ Interval Tested From 2923' to 2943' Total Depth 2943'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No
Top Packer Depth 2918 Ft. Size 6 3/4 Bottom Packer Depth 2923 Ft. Size 6 3/4
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth ☐ Ft. Size ☐
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 20 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 2937 Ft. Clock No. 6800 Depth 2940 Ft. Clock No. 6896
Top Make Kuster Cap. 4200 No. 1558 Inside Bottom Make Kuster Cap. 3150 No. 1564 == Inside
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ Inside Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ Outside
Time Set Packer 4:05 M
Tool Open I.F.P. From 4:08 M. to 4:38 M. ☐ Hr. 30 Min. From (B) 31 P.S.I. To (C) 40 P.S.I.
Tool Closed I.C.I.P. From 4:38 M. to 5:08 M. ☐ Hr. 30 Min (D) 135 P.S.I.
Tool Open F.F.P. From 5:08 M. to 6:08 M. ☐ Hr. 60 Min. From (E) 53 P.S.I. To (F) 60 P.S.I.
Tool Closed F.C.I.P. From 6:08 M. to 7:08 M. ☐ Hr. 60 Min. (G) 948 P.S.I.
Initial Hydrostatic Pressure (A) 1517 P.S.I. Final Hydrostatic Pressure (H) 1508 P.S.I. Maximum Temp. 119

INFORMATION

BLOW Fair blow decreasing slightly.

Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 2761' gas in pipe. 124' of oil and gas cut mud,
(62' of 11% oil, 89% mud (.30 barrels) 62' of 17% oil, 80% mud,
3% water)

Reversed Out ☐ Yes ☒ No Mud Type Chem Viscosity 47 Weight 9.7 Water Loss 10.8 cc. Chlorides 3,600 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint ☐ Jars: Size ☐ In. Make ☐ Ser. No. ☐

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

DRILLING CONTRACTOR White & Ellis Drlg. Inc. Length Drill Pipe? 2791 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 112 Ft. I.D. Drill Collars 2.25 In.

Tool Joint Size 4 1/2 In. Length D.S.T. Tool 40 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

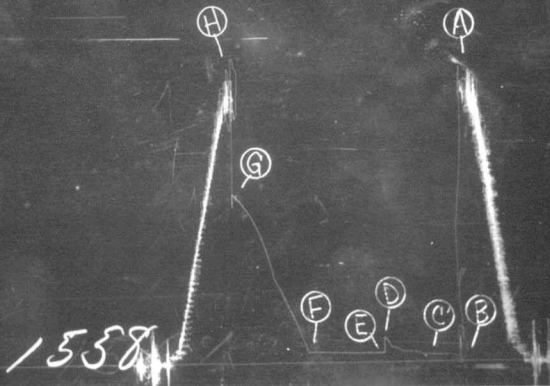
Date 7-11-77 Test Ticket No. 21904
 Recorder No. 1558 Capacity 4200 Location 2937 Ft.
 Clock No. 6800 Elevation 1100 Kelly Bushing Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1517</u> P.S.I.	Open Tool	<u>4:05</u> M	
B First Initial Flow Pressure	<u>31</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>40</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>135</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>53</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>57</u> Mins.
F Second Final Flow Pressure	<u>60</u> P.S.I.			
G Final Closed-in Pressure	<u>948</u> P.S.I.			
H Final Hydrostatic Mud	<u>1508</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>19</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>31</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>53</u>	<u>0</u>	<u>60</u>
P 2 <u>5</u>	<u>32</u>	<u>3</u>	<u>50</u>	<u>5</u>	<u>53</u>	<u>3</u>	<u>110</u>
P 3 <u>10</u>	<u>38</u>	<u>6</u>	<u>55</u>	<u>10</u>	<u>53</u>	<u>6</u>	<u>164</u>
P 4 <u>15</u>	<u>38</u>	<u>9</u>	<u>57</u>	<u>15</u>	<u>53</u>	<u>9</u>	<u>215</u>
P 5 <u>20</u>	<u>39</u>	<u>12</u>	<u>59</u>	<u>20</u>	<u>53</u>	<u>12</u>	<u>266</u>
P 6 <u>25</u>	<u>40</u>	<u>15</u>	<u>59</u>	<u>25</u>	<u>53</u>	<u>15</u>	<u>314</u>
P 7 <u>30</u>	<u>40</u>	<u>18</u>	<u>63</u>	<u>30</u>	<u>55</u>	<u>18</u>	<u>361</u>
P 8		<u>21</u>	<u>76</u>	<u>35</u>	<u>56</u>	<u>21</u>	<u>407</u>
P 9		<u>24</u>	<u>82</u>	<u>40</u>	<u>57</u>	<u>24</u>	<u>447</u>
P10		<u>27</u>	<u>101</u>	<u>45</u>	<u>59</u>	<u>27</u>	<u>508</u>
P11		<u>30</u>	<u>135</u>	<u>50</u>	<u>59</u>	<u>30</u>	<u>585</u>
P12				<u>55</u>	<u>60</u>	<u>33</u>	<u>652</u>
P13				<u>60</u>	<u>60</u>	<u>36</u>	<u>708</u>
P14						<u>39</u>	<u>758</u>
P15						<u>42</u>	<u>799</u>
P16						<u>45</u>	<u>827</u>
P17						<u>48</u>	<u>868</u>
P18						<u>51</u>	<u>897</u>
P19						<u>54</u>	<u>920</u>
P20						<u>57</u>	<u>948</u>

TK-#21904
I.





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Company Range Oil Company, Inc. Lease & Well No. Lovell #1
Elevation 1100 Kelly Bush. Formation Bartlesville Effective Pay - Ft. Ticket No. 21905
Date 7-12-77 Sec. 9 Twp. 34S Range 3E County Cowley State Kansas
Test Approved by Gerald B. Becker Western Representative Sam McClune
Formation Test No. 4 O.K. ☒ Misrun ☐ Interval Tested From 3290' to 3308' Total Depth 3308'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No
Top Packer Depth 3285 Ft. Size 6 3/4 Bottom Packer Depth 3290 Ft. Size 6 3/4
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 18 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3303 Ft. Clock No. 6800 Depth 3306 Ft. Clock No. 6896
Top Make Kuster Cap. 4200 No. 1558 ~~Inside~~ Outside Bottom Make Kuster Cap. 3150 No. 1564 ~~Inside~~ Outside
Below Straddle: Depth - Rec. No. - Clock No. - ~~Inside~~ Outside Depth - Ft. Rec. No. - Clock No. - ~~Inside~~ Outside
Time Set Packer 6:43 M
Tool Open I.F.P. From 6:45 M. to 7:15 M. - Hr. 30 Min. From (B) 15 P.S.I. To (C) 19 P.S.I.
Tool Closed I.C.I.P. From 7:15 M. to 7:45 M. - Hr. 30 Min (D) 28 P.S.I.
Tool Open F.F.P. From 7:45 M. to 8:15 M. - Hr. 30 Min. From (E) 21 P.S.I. To (F) 19 P.S.I.
Tool Closed F.C.I.P. From 8:15 M. to 8:45 M. - Hr. 30 Min. (G) 27 P.S.I.
Initial Hydrostatic Pressure (A) 1715 P.S.I. Final Hydrostatic Pressure (H) 1705 P.S.I. Maximum Temp. 119

INFORMATION

BLOW Very weak blow for 10 minutes, then died.

Did Well Flow ☐ Yes ☒ No Recovery Total Fr. 10' of drilling mud with spots of oil.

Reversed Out ☐ Yes ☒ No Mud Type Chem Viscosity 45 Weight 9.7 Water Loss 10.8 cc. Chlorides 3,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint ☐ Jars: Size - In. Make - Ser. No. -

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

DRILLING CONTRACTOR White & Ellis Drlg. (#4) Length Drill Pipe? 3017 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 253 Ft. I.D. Drill Collars 2.25 In.

Tool Joint Size 4 1/2 H-90 In. Length D.S.T. Tool 38 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 7-12-77 Test Ticket No. 21905
 Recorder No. 1558 Capacity 4200 Location 3303 Ft.
 Clock No. 6800 Elevation 1100 Kelly Bushing Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1715	P.S.I.	6:43 P. M.	
B First Initial Flow Pressure	15	P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	19	P.S.I.	30 Mins.	30 Mins.
D Initial Closed-in Pressure	28	P.S.I.	30 Mins.	30 Mins.
E Second Initial Flow Pressure	21	P.S.I.	30 Mins.	30 Mins.
F Second Final Flow Pressure	19	P.S.I.	30	
G Final Closed-in Pressure	27	P.S.I.		
H Final Hydrostatic Mud	1705	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</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>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>15</u>	<u>0</u>	<u>19</u>	<u>0</u>	<u>21</u>	<u>0</u>	<u>19</u>
P 2 <u>5</u>	<u>16</u>	<u>3</u>	<u>21</u>	<u>5</u>	<u>21</u>	<u>3</u>	<u>19</u>
P 3 <u>10</u>	<u>16</u>	<u>6</u>	<u>21</u>	<u>10</u>	<u>21</u>	<u>6</u>	<u>20</u>
P 4 <u>15</u>	<u>17</u>	<u>9</u>	<u>22</u>	<u>15</u>	<u>20</u>	<u>9</u>	<u>20</u>
P 5 <u>20</u>	<u>18</u>	<u>12</u>	<u>23</u>	<u>20</u>	<u>19</u>	<u>12</u>	<u>21</u>
P 6 <u>25</u>	<u>18</u>	<u>15</u>	<u>24</u>	<u>25</u>	<u>19</u>	<u>15</u>	<u>22</u>
P 7 <u>30</u>	<u>19</u>	<u>18</u>	<u>25</u>	<u>30</u>	<u>19</u>	<u>18</u>	<u>23</u>
P 8		<u>21</u>	<u>26</u>			<u>21</u>	<u>24</u>
P 9		<u>24</u>	<u>27</u>			<u>24</u>	<u>25</u>
P10		<u>27</u>	<u>28</u>			<u>27</u>	<u>26</u>
P11						<u>30</u>	<u>27</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TH #21905

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(H)

(A)

(G)

(F)

(D)

(E)

(C)

(B)

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