



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

Company A.L. Frazier Lease & Well No. Haslover #1
Elevation 1187 Kelly Bushing Formation Cattleman Effective Pay - Ft. Ticket No. 21933
Date 8-7-77 Sec. 31 Twp. 34S Range 3E County Sumner State Kansas
Test Approved by Lee Denny Western Representative Norman Allen
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 3434' to 3455' Total Depth 3455'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 3429 Ft. Size 6 3/4 Bottom Packer Depth 3434 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 21 Ft. Size 5 1/2 OD Surface Choke Size 1 1/4 & 1/2 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3448 Ft. Clock No. 8474 Depth 3451 Ft. Clock No. 8376
Top Make Kuster Cap. 4500 No. 3085 ~~Inside~~ Outside Bottom Make Kuster Cap. 3200 No. 1561 ~~Inside~~ Outside
Below Straddle: Depth - Rec. No. - Clock No. - ~~Inside~~ Outside Depth - Ft. Rec. No. - Clock No. - ~~Inside~~ Outside
Time Set Packer 3:33P. M
Tool Open I.F.P. From 3:35P M. to 4:35P M. - Hr. 60 Min. From (B) 48 P.S.I. To (C) 48 P.S.I.
Tool Closed I.C.I.P. From 4:35P M. to 5:15P M. - Hr. 40 Min (D) 1331 P.S.I.
Tool Open F.F.P. From - M. to - M. - Hr. - Min. From (E) - P.S.I. To (F) - P.S.I.
Tool Closed F.C.I.P. From - M. to - M. - Hr. - Min. (G) - P.S.I.
Initial Hydrostatic Pressure (A) 1771 P.S.I. Final Hydrostatic Pressure (H) 1751 P.S.I. Maximum Temp. 118

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 45 minutes (see remarks)
Did Well Flow Gas Yes ☐ No ☐ Recovery Total Ft. 30' of heavy oil and gas cut mud, 60' of muddy gassy oil, 60' of gassy oil.

Reversed Out ☐ Yes ☒ No ☐ Mud Type Chem Viscosity 41 Weight 9.8 Water Loss 12.0 cc. Chlorides 3,500 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. Co. Length Drill Pipe 2982 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 IF In.
Length Weight Pipe 90 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 IF In. Length Drill Collars 342 Ft. I.D. Drill Collars 2 1/4 In.
Tool Joint Size 4H-90 In. Length D.S.T. Tool 41 Ft.

Remarks: Oil chekc 40° F. Gravity corrected.

Gas gauged 28,000 C.F.P.D. at 4:25PM (50 minutes)

Gas gauged 20,900 C.F.P.D. at 4:35PM (60 minutes)

WESTERN TESTING CO., INC.

Pressure Data

Date 8-7-77 Test Ticket No. 21933
 Recorder No. 3085 Capacity 4500 Location 3448 Ft.
 Clock No. 8474 Elevation 1187 Kelly Bushing Well Temperature 118 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1771</u> P.S.I.	<u>3:33P.M</u>	
B First Initial Flow Pressure	<u>48</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>48</u> P.S.I.	<u>40</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>1331</u> P.S.I.		
E Second Initial Flow Pressure	<u>Not taken</u> P.S.I.		
F Second Final Flow Pressure	<u>Not taken</u> P.S.I.		
G Final Closed-in Pressure	<u>Not taken</u> P.S.I.		
H Final Hydrostatic Mud	<u>1751</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>-</u> Inc.		Breakdown: <u>-</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>-</u> mins. and a		of <u>-</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>-</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>48</u>	<u>0</u>	<u>48</u>				
P 2 <u>5</u>	<u>26</u>	<u>3</u>	<u>237</u>				
P 3 <u>10</u>	<u>26</u>	<u>6</u>	<u>411</u>				
P 4 <u>15</u>	<u>29</u>	<u>9</u>	<u>653</u>				
P 5 <u>20</u>	<u>29</u>	<u>12</u>	<u>890</u>				
P 6 <u>25</u>	<u>29</u>	<u>15</u>	<u>1060</u>				
P 7 <u>30</u>	<u>31</u>	<u>18</u>	<u>1169</u>				
P 8 <u>35</u>	<u>33</u>	<u>21</u>	<u>1226</u>				
P 9 <u>40</u>	<u>38</u>	<u>24</u>	<u>1261</u>				
P10 <u>45</u>	<u>41</u>	<u>27</u>	<u>1284</u>				
P11 <u>50</u>	<u>43</u>	<u>30</u>	<u>1300</u>				
P12 <u>55</u>	<u>45</u>	<u>33</u>	<u>1310</u>				
P13 <u>60</u>	<u>48</u>	<u>36</u>	<u>1319</u>				
P14		<u>39</u>	<u>1331</u>				
P15		<u>42</u>	<u>1331</u>				
P16							
P17							
P18							
P19							
P20							

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(D)

(C)

(B)

2085



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Company A.L. Frazier Lease & Well No. Haslover #1
Elevation 1187 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 21934
Date 8-8-77 Sec. 31 Twp. 34S Range 2E County Sumner State Kansas
Test Approved by Lee Denny Western Representative Norman Allen
Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 3505' to 3520' Total Depth 3520'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 3500 Ft. Size 6 3/4 Bottom Packer Depth 3505 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 3513 Ft. Clock No. 8474 Depth 3516 Ft. Clock No. 8376
Top Make Kuster Cap. 4500 No. 3085 Inside Bottom Make Kuster Cap. 3200 No. 1561 Inside
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ Inside Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ Outside
Time Set Packer 7:08A. M
Tool Open I.F.P. From 7:10A M. to 8:10A M. ☐ Hr. 60 Min. From (B) 13 P.S.I. To (C) 20 P.S.I.
Tool Closed I.C.I.P. From 8:10A M. to 8:50A M. ☐ Hr. 40 Min (D) 33 P.S.I.
Tool Open F.F.P. From ☐ M. to ☐ M. ☐ Hr. ☐ Min. From (E) ☐ P.S.I. To (F) ☐ P.S.I.
Tool Closed F.C.I.P. From ☐ M. to ☐ M. ☐ Hr. ☐ Min. (G) ☐ P.S.I.
Initial Hydrostatic Pressure (A) 1862 P.S.I. Final Hydrostatic Pressure (H) 1833 P.S.I. Maximum Temp. 119

INFORMATION

BLOW Very weak blow, died in 20 minutes.

Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 25' of drilling mud with a show of oil in tool.

Reversed Out ☐ Yes ☒ No Mud Type Chem Viscosity 41 Weight 9.8 Water Loss 12.0 cc. Chlorides 3,500 PPM

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

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

DRILLING CONTRACTOR White & Ellis Drlg. (#5) Length Drill Pipe? 3053 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 IF In.

Length Weight Pipe 90 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 IF In. Length Drill Collars 342 Ft. I.D. Drill Collars 4" H-90 In.

Tool Joint Size 2 1/4 ID In. Length D.S.T. Tool 35 Ft.

Remarks: Read outside recorder #1561

WESTERN TESTING CO., INC.

Pressure Data

Date 8-8-77 Test Ticket No. 21934
 Recorder No. 1561 Capacity 3200 Location 3516 Ft.
 Clock No. 8376 Elevation 1187 Kelly Bushing Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1862 P.S.I.	Open Tool	7:08A. M	
B First Initial Flow Pressure	13 P.S.I.	First Flow Pressure	60 Mins.	60 Mins.
C First Final Flow Pressure	20 P.S.I.	Initial Closed-in Pressure	40 Mins.	39 Mins.
D Initial Closed-in Pressure	33 P.S.I.	Second Flow Pressure		Mins.
E Second Initial Flow Pressure	Not taken P.S.I.	Final Closed-in Pressure		Mins.
F Second Final Flow Pressure	Not taken P.S.I.			
G Final Closed-in Pressure	Not taken P.S.I.			
H Final Hydrostatic Mud	1833 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>13</u> Inc.		Breakdown: <u>-</u> Inc.		Breakdown: <u>-</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>-</u> mins. and a		of <u>-</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>-</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>13</u>	<u>0</u>	<u>20</u>				
P 2 <u>5</u>	<u>13</u>	<u>3</u>	<u>20</u>				
P 3 <u>10</u>	<u>14</u>	<u>6</u>	<u>20</u>				
P 4 <u>15</u>	<u>16</u>	<u>9</u>	<u>20</u>				
P 5 <u>20</u>	<u>16</u>	<u>12</u>	<u>22</u>				
P 6 <u>25</u>	<u>16</u>	<u>15</u>	<u>22</u>				
P 7 <u>30</u>	<u>16</u>	<u>18</u>	<u>24</u>				
P 8 <u>35</u>	<u>17</u>	<u>21</u>	<u>25</u>				
P 9 <u>40</u>	<u>17</u>	<u>24</u>	<u>27</u>				
P10 <u>45</u>	<u>17</u>	<u>27</u>	<u>28</u>				
P11 <u>50</u>	<u>19</u>	<u>30</u>	<u>29</u>				
P12 <u>55</u>	<u>19</u>	<u>33</u>	<u>30</u>				
P13 <u>60</u>	<u>20</u>	<u>36</u>	<u>31</u>				
P14		<u>39</u>	<u>33</u>				
P15							
P16							
P17							
P18							
P19							
P20							

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(A)

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