



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

Company Hopper Oil Co. Lease & Well No. Running Boot Ranch Co., Inc. #1
Elevation 1277 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 25355
Date 10-6-75 Sec. 32 Twp. 34S Range 5E County Cowley State Kansas
Test Approved by Jerry L. Hopper Western Representative Forrest Purnell
Formation Test No. 1 O.K. X Misrun - Interval Tested From 3080' to 3095' Total Depth 3095'
Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. - Damaged - Yes - No Conv. - B.T. X Damaged - Yes X No
Top Packer Depth - Ft. Size - Bottom Packer Depth 3080 Ft. Size 6 3/4
Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -
Tool Size 540D Tool Joint Size 4 1/2 FH Anchor Length 15 Ft. Size 540D Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3087 Ft. Clock No. 6800 Depth 3090 Ft. Clock No. 9102
Top Make Kuster Cap. 4200 No. 1559 Inside - Outside - Bottom Make Kuster Cap. 3150 No. 1565 Inside - Outside -
Below Straddle: Depth - Rec. No. - Clock No. - Inside - Outside - Depth - Ft. Rec. No. - Clock No. - Inside - Outside -
Time Set Packer 9:12 P M
Tool Open I.F.P. From 9:15P M. to 9:45P M. - Hr. 30 Min. From (B) 10 P.S.I. To (C) 10 P.S.I.
Tool Closed I.C.I.P. From 9:45P M. to 10:15P M. - Hr. 30 Min (D) 601 P.S.I.
Tool Open F.F.P. From 10:15P M. to 11:15P M. - Hr. 60 Min. From (E) 16 P.S.I. To (F) 16 P.S.I.
Tool Closed F.C.I.P. From 11:15P M. to 12:00A M. - Hr. 45 Min. (G) 489 P.S.I.
Initial Hydrostatic Pressure (A) 1592 P.S.I. Final Hydrostatic Pressure (H) 1578 P.S.I. Maximum Temp. 120

INFORMATION

BLOW Weak 1/4" Blow in 15 minutes. To intermitted blow throughout initial flow period. Weak 1/4" blow throughout final flow period.

Did Well Flow - Yes X No Recovery Total Ft. 20' oil & gas cut drilling mud, 120' gas in pipe.

Reversed Out - Yes X No Mud Type Chemical Viscosity 46 Weight 9.8 Water Loss 13.6 cc. Chlorides 2800 PPM

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

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

DRILLING CONTRACTOR Dunbar Drilling Co. Length Drill Pipe? 2884 Ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 3 1/2 IF In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 180 Ft. I.D. Drill Collars 2 1/2 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 31 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 10-6-75Test Ticket No. 25355Recorder No. 1559Capacity 4200Location 3087 Ft.Clock No. 6800Elevation 1277 Kelly BushingWell Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1592</u>	P.S.I.	<u>9:12 P</u>	M
B First Initial Flow Pressure	<u>10</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
C First Final Flow Pressure	<u>10</u>	P.S.I.	<u>30</u>	Mins. <u>27</u> Mins.
D Initial Closed-in Pressure	<u>601</u>	P.S.I.	<u>60</u>	Mins. <u>60</u> Mins.
E Second Initial Flow Pressure	<u>16</u>	P.S.I.	<u>45</u>	Mins. <u>42</u> Mins.
F Second Final Flow Pressure	<u>16</u>	P.S.I.		
G Final Closed-in Pressure	<u>489</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1578</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>9</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>14</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>10</u>	<u>0</u>	<u>16</u>	<u>0</u>	<u>16</u>
P 2 <u>5</u>	<u>10</u>	<u>3</u>	<u>39</u>	<u>5</u>	<u>16</u>	<u>3</u>	<u>29</u>
P 3 <u>10</u>	<u>10</u>	<u>6</u>	<u>71</u>	<u>10</u>	<u>16</u>	<u>6</u>	<u>48</u>
P 4 <u>15</u>	<u>10</u>	<u>9</u>	<u>125</u>	<u>15</u>	<u>16</u>	<u>9</u>	<u>68</u>
P 5 <u>20</u>	<u>10</u>	<u>12</u>	<u>194</u>	<u>20</u>	<u>16</u>	<u>12</u>	<u>96</u>
P 6 <u>25</u>	<u>10</u>	<u>15</u>	<u>282</u>	<u>25</u>	<u>16</u>	<u>15</u>	<u>121</u>
P 7 <u>30</u>	<u>10</u>	<u>18</u>	<u>395</u>	<u>30</u>	<u>16</u>	<u>18</u>	<u>148</u>
P 8		<u>21</u>	<u>453</u>	<u>35</u>	<u>16</u>	<u>21</u>	<u>181</u>
P 9		<u>24</u>	<u>531</u>	<u>40</u>	<u>16</u>	<u>24</u>	<u>217</u>
P10		<u>27</u>	<u>601</u>	<u>45</u>	<u>16</u>	<u>27</u>	<u>250</u>
P11				<u>50</u>	<u>16</u>	<u>30</u>	<u>298</u>
P12				<u>55</u>	<u>16</u>	<u>33</u>	<u>346</u>
P13				<u>60</u>	<u>16</u>	<u>36</u>	<u>392</u>
P14						<u>39</u>	<u>441</u>
P15						<u>42</u>	<u>489</u>
P16							
P17							
P18							
P19							
P20							

TKT # 25355

I

(A)

(A)

(D)

(G)

(F)

(E)

(C)

(B)

1559