



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

Company Chief Drilling Co. Inc. Lease & Well No. Hopper #1
Elevation 1149 Ground Level 1154 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 23884
Date 11-5-75 Sec. 8 Twp. 31S Range 9E County Elk State Kansas
Test Approved by Frank Hamlin Western Representative Norman Allen
Formation Test No. 1 O.K. X Misrun - Interval Tested From 2183' to 2195' Total Depth 2195'
Size Main Hole 63/4 Rat Hole - Conv. - B.T. - Damaged - Yes - No Conv. X B.T. - Damaged - Yes - No
Top Packer Depth - Ft. Size - Bottom Packer Depth 2183 Ft. Size 5 1/2
Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -
Tool Size 4 1/2 OD Tool Joint Size 3 1/2 IF Anchor Length 12 Ft. Size 4 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 2188 Ft. Clock No. 6800 Depth 2191 Ft. Clock No. 1902 9102
Top Make Kuster Cap. 4200 No. 1559 Inside 2188 Bottom Make Kuster Cap. 3150 No. 1565 Inside 2191
Below Straddle: Depth - Rec. No. - Clock No. - Inside - Depth - Ft. Rec. No. - Clock No. - Inside -
Time Set Packer 6:27 P M
Tool Open I.F.P. From 7:00P M. to 7:30P M. - Hr. 30 Min. From (B) 8 P.S.I. To (C) 12 P.S.I.
Tool Closed I.C.I.P. From 7:30P M. to 8:00P M. - Hr. 30 Min (D) 42 P.S.I.
Tool Open F.F.P. From 8:00P M. to 8:30P M. - Hr. 30 Min. From (E) 24 P.S.I. To (F) 16 P.S.I.
Tool Closed F.C.I.P. From 8:30P M. to 9:00P M. - Hr. 30 Min. (G) 44 P.S.I.
Initial Hydrostatic Pressure (A) 1124 P.S.I. Final Hydrostatic Pressure (H) 1106 P.S.I. Maximum Temp. 103

INFORMATION

BLOW Weak 7 minutes.
Did Well Flow - Yes X No Recovery Total Ft. 10' Drilling with slight show of oil.

Reversed Out - Yes X No Mud Type chem Viscosity 38 Weight 10.1 Water Loss 12.8 cc. Chlorides 2000 P.P.M.
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 HADCO Drlg. Co. Length Drill Pipe? 1958 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 210 Ft. I.D. Drill Collars 2 In.
Tool Joint Size 3 1/2 FH In. Length D.S.T. Tool 27 Ft.

Remarks: Read outside recorder.

WESTERN TESTING CO., INC.

Pressure Data

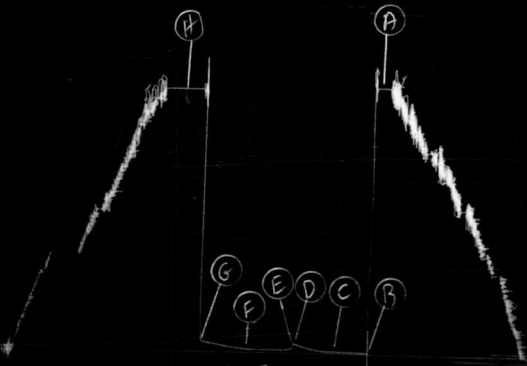
Date 11-5-75 Test Ticket No. 23884
 Recorder No. 1565 Capacity 3150 Location 2188 Ft.
 Clock No. 9102 Elevation 1149 Ground Level 1154 Kelly Bushing Well Temperature 103 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1124</u>	P.S.I.	<u>6:27P</u> M	
B First Initial Flow Pressure	<u>8</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>12</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>42</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>24</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>16</u>	P.S.I.		
G Final Closed-in Pressure	<u>44</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1106</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>8</u>	<u>0</u>	<u>12</u>	<u>0</u>	<u>24</u>	<u>0</u>	<u>16</u>
P 2 <u>5</u>	<u>8</u>	<u>3</u>	<u>13</u>	<u>5</u>	<u>16</u>	<u>3</u>	<u>20</u>
P 3 <u>10</u>	<u>9</u>	<u>6</u>	<u>14</u>	<u>10</u>	<u>16</u>	<u>6</u>	<u>24</u>
P 4 <u>15</u>	<u>9</u>	<u>9</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>9</u>	<u>27</u>
P 5 <u>20</u>	<u>10</u>	<u>12</u>	<u>17</u>	<u>20</u>	<u>16</u>	<u>12</u>	<u>28</u>
P 6 <u>25</u>	<u>11</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>16</u>	<u>15</u>	<u>31</u>
P 7 <u>30</u>	<u>12</u>	<u>18</u>	<u>24</u>	<u>30</u>	<u>16</u>	<u>18</u>	<u>34</u>
P 8		<u>21</u>	<u>28</u>			<u>21</u>	<u>38</u>
P 9		<u>24</u>	<u>34</u>			<u>24</u>	<u>40</u>
P10		<u>27</u>	<u>38</u>			<u>27</u>	<u>41</u>
P11		<u>30</u>	<u>42</u>			<u>30</u>	<u>44</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

74T# 23884



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