



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

Company Pickrell Drilling Company Lease & Well No. Hayse "C" #1
Elevation 2349 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 24855
Date 7-16-77 Sec. 1 Twp. 29S Range 20W County Kiowa State Kansas
Test Approved by R.M. Linehan Western Representative Max Knipe

Formation Test No. 1 O.K. Misrun Interval Tested From 5010' to 5023' Total Depth 5023'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 5005 Ft. Size 6 3/4 Bottom Packer Depth 5010 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 13 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 5015 Ft. Clock No. 6892 Depth 5018 Ft. Clock No. 6861
Top Make Kuster Cap. 6200 No. 1563 Inside Outside
Bottom Make Kuster Cap. 6000 No. 1560 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside

Time Set Packer 8:11P. M
Tool Open I.F.P. From 8:15P M. to 8:45P M. - Hr. 30 Min. From (B) 76 P.S.I. To (C) 76 P.S.I.
Tool Closed I.C.I.P. From 8:45P M. to 9:45P M. - Hr. 60 Min (D) 1482 P.S.I.
Tool Open F.F.P. From 9:45P M. to 11:15P M. 1 Hr. 30 Min. From (E) 123 P.S.I. To (F) 143 P.S.I.
Tool Closed F.C.I.P. From 11:15P M. to 12:15A M. - Hr. 60 Min. (G) 1303 P.S.I.
Initial Hydrostatic Pressure (A) 2703 P.S.I. Final Hydrostatic Pressure (H) 2694 P.S.I. Maximum Temp. 127

INFORMATION

BLOW 4" decreasing to a 1/8" by end of final flow period.

Did Well Flow - Yes No Recovery Total Ft. 5' of oil cut mud, 120' of thin watery mud, 120' of water,
(Chlorides checked: 70,000 PPM)

Reversed Out - Yes No Mud Type Starch Viscosity 49 Weight 9.7 Water Loss 13.0 cc. Chlorides 39,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size 4 3/4 In. Make WTC Ser. No. 406

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

DRILLING CONTRACTOR Pickrell Drlg. Co. (#1) Length Drill Pipe? 4738 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 245 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 H-90 In. Length D.S.T. Tool 40 Ft.

Remarks: Read outside recorder #1560.

WESTERN TESTING CO., INC.

Pressure Data

Date 7-16-77 Test Ticket No. 24855
 Recorder No. 1563 Capacity 6200 Location 5015 Ft.
 Clock No. 6892 Elevation 2349 Kelly Bushing Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2703 P.S.I.	Open Tool	8:11 P. M.	
B First Initial Flow Pressure	76 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	76 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1482 P.S.I.	Second Flow Pressure	90 Mins.	90 Mins.
E Second Initial Flow Pressure	123 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	143 P.S.I.			
G Final Closed-in Pressure	1303 P.S.I.			
H Final Hydrostatic Mud	2694 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>20</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>76</u>	<u>0</u>	<u>76</u>	<u>0</u>	<u>123</u>	<u>0</u>	<u>143</u>
P 2 <u>5</u>	<u>64</u>	<u>3</u>	<u>403</u>	<u>5</u>	<u>96</u>	<u>3</u>	<u>339</u>
P 3 <u>10</u>	<u>67</u>	<u>6</u>	<u>613</u>	<u>10</u>	<u>96</u>	<u>6</u>	<u>318</u>
P 4 <u>15</u>	<u>70</u>	<u>9</u>	<u>807</u>	<u>15</u>	<u>97</u>	<u>9</u>	<u>564</u>
P 5 <u>20</u>	<u>70</u>	<u>12</u>	<u>968</u>	<u>20</u>	<u>99</u>	<u>12</u>	<u>654</u>
P 6 <u>25</u>	<u>73</u>	<u>15</u>	<u>1085</u>	<u>25</u>	<u>102</u>	<u>15</u>	<u>754</u>
P 7 <u>30</u>	<u>76</u>	<u>18</u>	<u>1173</u>	<u>30</u>	<u>105</u>	<u>18</u>	<u>856</u>
P 8 _____	_____	<u>21</u>	<u>1230</u>	<u>35</u>	<u>108</u>	<u>21</u>	<u>938</u>
P 9 _____	_____	<u>24</u>	<u>1276</u>	<u>40</u>	<u>111</u>	<u>24</u>	<u>1006</u>
P10 _____	_____	<u>27</u>	<u>1312</u>	<u>45</u>	<u>117</u>	<u>27</u>	<u>1059</u>
P11 _____	_____	<u>30</u>	<u>1341</u>	<u>50</u>	<u>120</u>	<u>30</u>	<u>1103</u>
P12 _____	_____	<u>33</u>	<u>1368</u>	<u>55</u>	<u>123</u>	<u>33</u>	<u>1141</u>
P13 _____	_____	<u>36</u>	<u>1388</u>	<u>60</u>	<u>126</u>	<u>36</u>	<u>1171</u>
P14 _____	_____	<u>39</u>	<u>1406</u>	<u>65</u>	<u>128</u>	<u>39</u>	<u>1194</u>
P15 _____	_____	<u>42</u>	<u>1420</u>	<u>70</u>	<u>131</u>	<u>42</u>	<u>1218</u>
P16 _____	_____	<u>45</u>	<u>1435</u>	<u>75</u>	<u>134</u>	<u>45</u>	<u>1238</u>
P17 _____	_____	<u>48</u>	<u>1447</u>	<u>80</u>	<u>137</u>	<u>48</u>	<u>1253</u>
P18 _____	_____	<u>51</u>	<u>1459</u>	<u>85</u>	<u>140</u>	<u>51</u>	<u>1265</u>
P19 _____	_____	<u>54</u>	<u>1465</u>	<u>90</u>	<u>143</u>	<u>54</u>	<u>1279</u>
P20 _____	_____	<u>57</u>	<u>1473</u>	_____	_____	<u>57</u>	<u>1291</u>
		<u>60</u>	<u>1482</u>	_____	_____	<u>60</u>	<u>1303</u>

TAT# 24855

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