

Home Office: Great Bend, Kansas
P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Pleplow #3
Elevation 1518 Derrick Floor Ticket Number 4086
Date Sept. 29, 1964 Sec. 33 Twp. 29s Range 6w County Kingman State Kansas
Test Approved by Don Bowles Western Representative George Tew

Formation Test No. 1 O.K. ☒ Misrun Interval Tested From 3280' to 3287' Total Depth 3287'
Size Main Hole 7 5/8 Rat Hole None Conv. ☒ B.T. Damaged Yes ☒ No Conv. B.T. ☒ Damaged Yes ☒ No
Packer Depth 3280 Ft. Size 6 3/4 Packer Depth 3275 Ft. Size 6 3/4
Straddle Yes ☒ No Conv. B.T. Damaged Yes No
Packer Depth Ft. Size
Tool Size 5 1/2 O. D. Tool Jt. Size 4 1/2 F. H. Anchor Length 7 Ft. Size 5 1/2 O. D.

RECORDERS Depth 3269 Ft. Clock No. 6861 Depth 3284 Ft. Clock No. 105
Top Make Amerada Cap. 4200 No. 1558 Inside Outside Bottom Make Western Cap. 4000 No. 60 Inside Outside
Below Straddle: Depth Clock No. Inside Outside Depth Ft. Clock No. Inside Outside
Top Make Cap. No. Inside Outside Bottom Make Cap. No. Inside Outside

Time Set Packer 3:23 A M
Tool Open I.F.P. From 3:26 A M to 3:31 A M Hr. 5 Min. From (B) 10 P.S.I. To (C) 10 P.S.I.
Tool Closed I.C.I.P. From 3:31 A M. to 4:01 A M. Hr. 30 Min. (D) 1210 P.S.I.
Tool Open F.F.P. From 4:01 A M. to 5:31 A M. 1 Hr. 30 Min. From (E) 35 P.S.I. To (F) 52 P.S.I.
Tool Closed F.C.I.P. From 5:31 A M. to 6:01 A M. Hr. 30 Min. (G) 1091 P.S.I.
Initial Hydrostatic Pressure (A) 1768 P.S.I. Final Hydrostatic Pressure (H) 1767 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION
M.
M.
M.

BLOW Good blow throughout test Bottom Choke Size 3/4 in.
Did Well Flow Yes ☒ No Recovery Total Ft. 110' fluid - 1000' gas in pipe - 50' gassy mud out oil -
60' thin oil cut mud

Reversed Out. Yes ☒ No Mud Type starch Viscosity 48 Weight 10 Maximum Temp. 112 °F
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size Make Ser. No.
Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes
Length Drill Pipe 2385 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 870 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.
I. D. Drill Collars in. Length D. S. T. Tool 32 ft.

Remarks

WESTERN TESTING CO., INC. Pressure Data

Date September 29, 1964 Test Ticket No. 4086
Recorder No. 1558 Capacity 4200 Location 3269 Ft.
Clock No. 6861 Elevation 1518 Derrick Floor Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1768</u>	P.S.I.	<u>3:23 A</u>	<u>M</u>
B First Initial Flow Pressure	<u>10</u>	P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>10</u>	P.S.I.	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>12 10</u>	P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>35</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>52</u>	P.S.I.		
G Final Closed-in Pressure	<u>1091</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1767</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.

Breakdown: 1 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In

Breakdown: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure

Breakdown: 18 Inc.
of 5 mins. and a
final inc. of 0 Min.

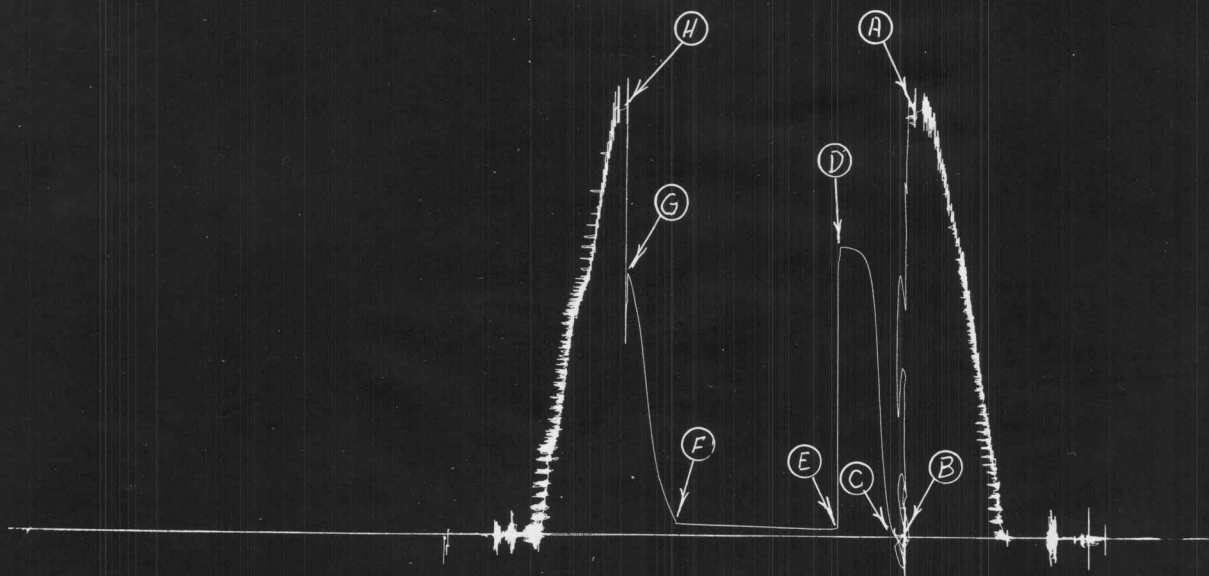
Final Shut-In

Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 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>35</u>	<u>0</u>	<u>52</u>
P 2 <u>5</u>	<u>10</u>	<u>3</u>	<u>73</u>	<u>5</u>	<u>35</u>	<u>3</u>	<u>101</u>
P 3		<u>6</u>	<u>198</u>	<u>10</u>	<u>36</u>	<u>6</u>	<u>153</u>
P 4		<u>9</u>	<u>421</u>	<u>15</u>	<u>36</u>	<u>9</u>	<u>206</u>
P 5		<u>12</u>	<u>697</u>	<u>20</u>	<u>37</u>	<u>12</u>	<u>286</u>
P 6		<u>15</u>	<u>937</u>	<u>25</u>	<u>39</u>	<u>15</u>	<u>411</u>
P 7		<u>18</u>	<u>1110</u>	<u>30</u>	<u>40</u>	<u>18</u>	<u>572</u>
P 8		<u>21</u>	<u>1171</u>	<u>35</u>	<u>41</u>	<u>21</u>	<u>749</u>
P 9		<u>24</u>	<u>1196</u>	<u>40</u>	<u>42</u>	<u>24</u>	<u>914</u>
P 10		<u>27</u>	<u>1204</u>	<u>45</u>	<u>42</u>	<u>27</u>	<u>1033</u>
P 11		<u>30</u>	<u>1209</u>	<u>50</u>	<u>43</u>	<u>30</u>	<u>1091</u>
P 12		<u>33</u>	<u>1210</u>	<u>55</u>	<u>44</u>		
P 13				<u>60</u>	<u>46</u>		
P 14				<u>65</u>	<u>47</u>		
P 15				<u>70</u>	<u>48</u>		
P 16				<u>75</u>	<u>50</u>		
P 17				<u>80</u>	<u>51</u>		
P 18				<u>85</u>	<u>51</u>		
P 19				<u>90</u>	<u>52</u>		
P 20							

Pickrell Drilling Co.
Pieplow #3

Test #1
TKT# 4086





Home Office: Great Bend, Kansas
P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Pieplow #3
Elevation 1518 Derrick Floor Ticket Number 4087
Date Sept. 29, 1964 Sec. 33 Twp. 29s Range 6w County Kingman State Kansas
Test Approved by Dan Bowles Western Representative George Tew

Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 3287' to 3293' Total Depth 3293'
Size Main Hole 7 5/8 Rat Hole None Conv. ☒ B.T. ☐ Damaged ☒ Yes ☒ No ☐ Conv. ☐ B.T. ☒ Damaged ☒ Yes ☐ No ☐
Packer Depth 3287 Ft. Size 6 3/4 Packer Depth 3282 Ft. Size 6 3/4
Straddle ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No ☐
Packer Depth Ft. Size
Tool Size 5 1/2 O. D. Tool Jt. Size 4 1/2 F. H. Anchor Length 6 Ft. Size 5 1/2 O. D.

RECORDERS Depth 3275 Ft. Clock No. 6861 Depth 3290 Ft. Clock No. 105
Top Make Amerada Cap. 4200 No. 1558 Inside ☐ Outside ☒ Bottom Make Western Cap. 4000 No. 60 Inside ☐ Outside ☒
Below Straddle: Depth Clock No. Inside ☐ Outside ☐
Top Make Cap. No. Inside ☐ Outside ☐ Bottom Make Cap. No. Inside ☐ Outside ☐

Time Set Packer 1:50 P M
Tool Open I.F.P. From 1:53 P M to 1:56 P M Hr. 3 Min. From (B) 12 P.S.I. To (C) 12 P.S.I.
Tool Closed I.C.I.P. From 1:56 P M. to 2:26 P M. Hr. 30 Min. (D) 1205 P.S.I.
Tool Open F.F.P. From 2:26 P M. to 3:41 P M. 1 Hr. 15 Min. From (E) 35 P.S.I. To (F) 172 P.S.I.
Tool Closed F.C.I.P. From 3:41 P M. to 4:11 P M. Hr. 30 Min. (G) 1198 P.S.I.
Initial Hydrostatic Pressure (A) 1738 P.S.I. Final Hydrostatic Pressure (H) 1729 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION

BLOW Strong - Gas to surface in 34 minutes Bottom Choke Size 3/4 in.

Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 567' total fluid
567' gassy oil (Trace of muddy water on top of tool) Mud

Reversed Out ☐ Yes ☒ No Mud Type starch Viscosity 50 Weight 9.2 Maximum Temp. 123 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size Make Ser. No.

Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes

Length Drill Pipe 2392 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 870 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.

I. D. Drill Collars in. Length D. S. T. Tool 31 ft.

Remarks 37° Gravity

WESTERN TESTING CO., INC. Pressure Data

Date September 29, 1964 Test Ticket No. 4087
Recorder No. 1558 Capacity 4200 Location 3275 Ft.
Clock No. 6861 Elevation 1518 Derrick Floor Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1738</u> P.S.I.	Opened Tool	<u>1:50 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>12</u> P.S.I.	First Flow Pressure	<u>3</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>12</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>1205</u> P.S.I.	Second Flow Pressure	<u>75</u> Mins.	<u>76</u> Mins.
E Second Initial Flow Pressure	<u>35</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>40</u> Mins.
F Second Final Flow Pressure	<u>172</u> P.S.I.			
G Final Closed-in Pressure	<u>1198</u> P.S.I.			
H Final Hydrostatic Mud	<u>1729</u> P.S.I.			

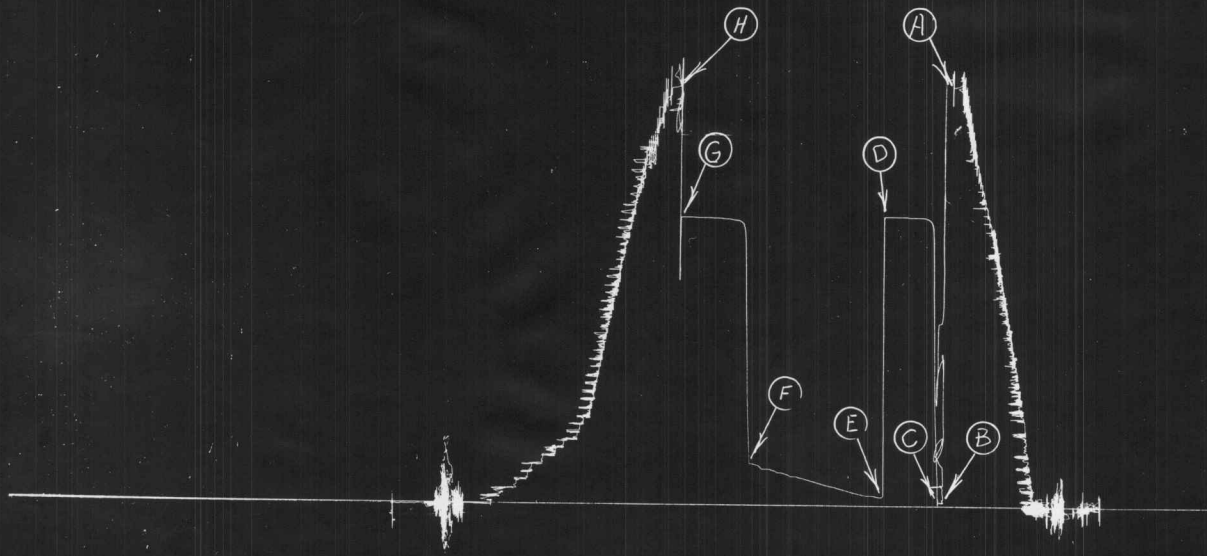
PRESSURE BREAKDOWN

First Flow Press. Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>11</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>15</u> Inc. of <u>5</u> mins. and a final inc. of <u>1</u> Min.	Final Shut-In Breakdown: <u>13</u> Inc. of <u>3</u> mins. and a final inc. of <u>1</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>12</u>	<u>0</u>	<u>12</u>	<u>0</u>	<u>35</u>	<u>0</u>	<u>172</u>
P 2 <u>5</u>	<u>12</u>	<u>3</u>	<u>436</u>	<u>5</u>	<u>40</u>	<u>3</u>	<u>822</u>
		<u>6</u>	<u>1163</u>	<u>10</u>	<u>42</u>	<u>6</u>	<u>1173</u>
P 3		<u>9</u>	<u>1200</u>	<u>15</u>	<u>50</u>	<u>9</u>	<u>1188</u>
P 4		<u>12</u>	<u>1204</u>	<u>20</u>	<u>63</u>	<u>12</u>	<u>1192</u>
P 5		<u>15</u>	<u>1205</u>	<u>25</u>	<u>71</u>	<u>15</u>	<u>1194</u>
P 6		<u>18</u>	<u>1205</u>	<u>30</u>	<u>80</u>	<u>18</u>	<u>1196</u>
P 7		<u>21</u>	<u>1205</u>	<u>35</u>	<u>90</u>	<u>21</u>	<u>1198</u>
P 8		<u>24</u>	<u>1205</u>	<u>40</u>	<u>101</u>	<u>24</u>	<u>1198</u>
P 9		<u>27</u>	<u>1205</u>	<u>45</u>	<u>111</u>	<u>27</u>	<u>1198</u>
P 10		<u>30</u>	<u>1205</u>	<u>50</u>	<u>120</u>	<u>30</u>	<u>1198</u>
P 11		<u>33</u>	<u>1205</u>	<u>55</u>	<u>130</u>	<u>33</u>	<u>1198</u>
P 12				<u>60</u>	<u>139</u>	<u>36</u>	<u>1198</u>
P 13				<u>65</u>	<u>147</u>	<u>39</u>	<u>1198</u>
P 14				<u>70</u>	<u>158</u>	<u>40</u>	<u>1198</u>
P 15				<u>75</u>	<u>170</u>		
P 16				<u>76</u>	<u>172</u>		
P 17							
P 18							
P 19							
P 20							

Pickrell Drilling Co.
Pieplow #3

Test #2
TKT# 4087





Home Office: Great Bend, Kansas
P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Pieplow #3
Elevation 1518 Derrick Floor Ticket Number 4090
Date Oct. 1, 1964 Sec. 33 Twp. 29s Range 6w County Kingman State Kansas
Test Approved by Ralph W. Ruwwe Western Representative George Tew

Formation Test No. 3 O.K. ☐ Misrun ☐ Interval Tested From 3698' to 3714' Total Depth 3714'
Size Main Hole 7 5/8 Rat Hole None Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No ☐
Packer Depth 3698 Ft. Size 6 3/4 Packer Depth 3693 Ft. Size 6 3/4
Straddle ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No ☐
Packer Depth Ft. Size
Tool Size 5 1/2 O. D. Tool Jt. Size 4 1/2 F. H. Anchor Length 16 Ft. Size 5 1/2 O. D.

RECORDERS Depth 3707 Ft. Clock No. 6861 Depth 3710 Ft. Clock No. 105
Top Make Amerada Cap. 4200 No. 1558 Inside Bottom Make Western Cap. 4000 No. 60 Inside
Below Straddle: Depth Clock No. Inside Outside
Top Make Cap. No. Inside Outside

Time Set Packer 4:35 P M
Tool Open I.F.P. From 4:38 M to 4:42 M Hr. 4 Min. From (B) 40 P.S.I. To (C) 40 P.S.I.
Tool Closed I.C.I.P. From 4:42 P M. to 5:12 M. Hr. 30 Min. (D) 1180 P.S.I.
Tool Open F.F.P. From 5:12 P M. to 6:12 P M. 1 Hr. Min. From (E) 67 P.S.I. To (F) 185 P.S.I.
Tool Closed F.C.I.P. From 6:12 P M. to 6:42 P M. Hr. 30 Min. (G) 1129 P.S.I.
Initial Hydrostatic Pressure (A) 1968 P.S.I. Final Hydrostatic Pressure (H) 1953 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION

BLOW Strong - Gas to surface in 28 minutes - Too weak to gauge Bottom Choke Size 3/4 In.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 540' total - 120' oil cut mud - 240' muddy oil, 170' clean oil, 10' water Mud
Reversed Out ☐ Yes ☒ No Mud Type starch Viscosity 57 Weight 9.2 Maximum Temp. 127 °F
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size Make Ser. No.
Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes
Length Drill Pipe 2804 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 870 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.
I. D. Drill Collars in. Length D. S. T. Tool 26 ft.
Remarks

WESTERN TESTING CO., INC. Pressure Data

Date October 1, 1964 Test Ticket No. 4090
Recorder No. 1558 Capacity 4200 Location 3707 Ft.
Clock No. 6861 Elevation 1518 Derrick Floor Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1968</u> P.S.I.	Opened Tool	<u>4:35 P</u> M	
B First Initial Flow Pressure	<u>40</u> P.S.I.	First Flow Pressure	<u>4</u> Mins.	<u>4</u> Mins.
C First Final Flow Pressure	<u>40</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>1180</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>67</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>185</u> P.S.I.			
G Final Closed-in Pressure	<u>1129</u> P.S.I.			
H Final Hydrostatic Mud	<u>1953</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 1 Inc.
of 4 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

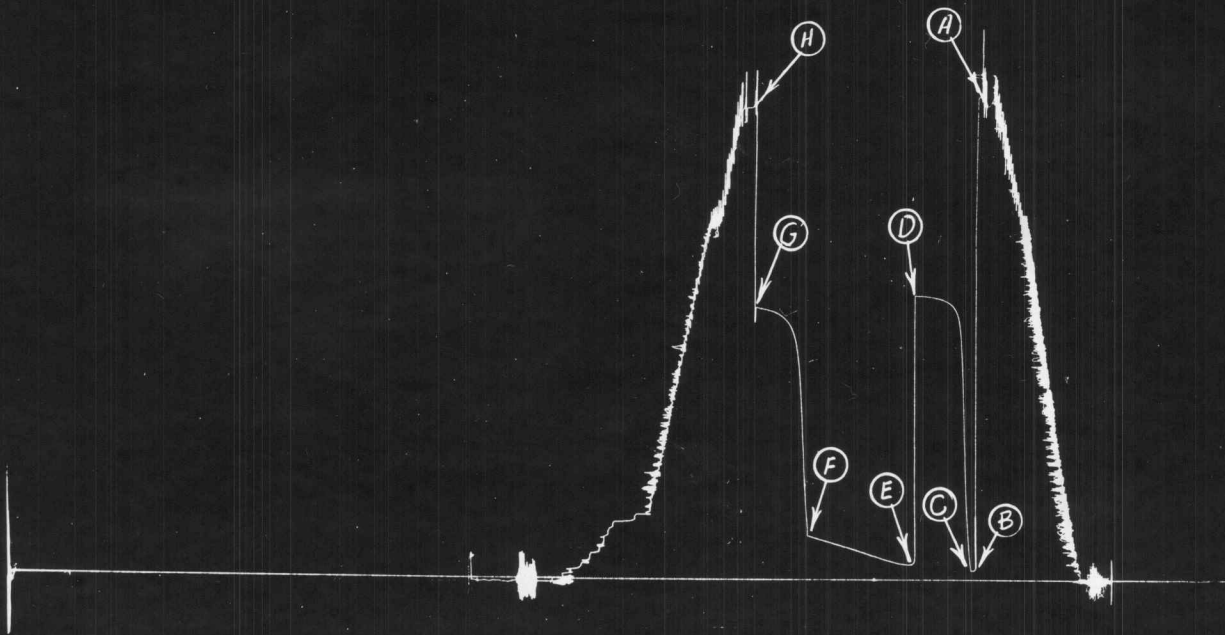
Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>40</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>67</u>	<u>0</u>	<u>185</u>
P 2 <u>4</u>	<u>40</u>	<u>3</u>	<u>270</u>	<u>5</u>	<u>69</u>	<u>3</u>	<u>481</u>
P 3		<u>6</u>	<u>641</u>	<u>10</u>	<u>73</u>	<u>6</u>	<u>824</u>
P 4		<u>9</u>	<u>1012</u>	<u>15</u>	<u>84</u>	<u>9</u>	<u>1006</u>
P 5		<u>12</u>	<u>1119</u>	<u>20</u>	<u>94</u>	<u>12</u>	<u>1058</u>
P 6		<u>15</u>	<u>1148</u>	<u>25</u>	<u>105</u>	<u>15</u>	<u>1089</u>
P 7		<u>18</u>	<u>1158</u>	<u>30</u>	<u>118</u>	<u>18</u>	<u>1104</u>
P 8		<u>21</u>	<u>1169</u>	<u>35</u>	<u>128</u>	<u>21</u>	<u>1114</u>
P 9		<u>24</u>	<u>1173</u>	<u>40</u>	<u>141</u>	<u>24</u>	<u>1121</u>
P 10		<u>27</u>	<u>1177</u>	<u>45</u>	<u>153</u>	<u>27</u>	<u>1125</u>
P 11		<u>30</u>	<u>1179</u>	<u>50</u>	<u>164</u>	<u>30</u>	<u>1129</u>
P 12		<u>33</u>	<u>1180</u>	<u>55</u>	<u>172</u>		
P 13				<u>60</u>	<u>185</u>		
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

Pickrell Drilling Co.
Preplow #3

Test # 3
TKT# 4090





Home Office: Great Bend, Kansas
P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Pieplow #3
Elevation 1518 Derrick Floor Ticket Number 4323
Date Oct. 5/6, 1964 Sec. 33 Twp. 29S Range 6W County Kingman State Kansas
Test Approved by George E. Link Western Representative Joe M. Fetterolf, Jr.

Formation Test No. 4 O.K. yes Misrun no Interval Tested From 4484' to 4500' Total Depth 4500'
Size Main Hole 7 5/8 Rat Hole no Conv. no B.T. X Damaged Yes no No Conv. X B.T. no Damaged Yes no No
Packer Depth 4479 Ft. Size 6 3/4 Packer Depth 4484 Ft. Size 6 3/4
Straddle Yes no Conv. no B.T. no Damaged Yes no
Packer Depth 4479 Ft. Size 6 3/4
Tool Size 5 1/2 O. D. Tool Jt. Size 4 1/2 F. H. Anchor Length 16 Ft. Size 5 1/2 O. D.

RECORDERS Depth 4490 Ft. Clock No. 4964 Depth 4493 Ft. Clock No. 139
Top Make Amerada Cap. 3150 No. 1562 Inside Outside Bottom Make Western Cap. 4000 No. 58 Inside Outside
Below Straddle: Depth 4490 Clock No. 4964 Inside Outside Depth 4493 Ft. Clock No. 139 Inside Outside
Top Make Amerada Cap. 3150 No. 1562 Inside Outside Bottom Make Western Cap. 4000 No. 58 Inside Outside

Time Set Packer 10:00 P M
Tool Open I.F.P. From 10:02 M to 10:05 M Hr. 3 Min. From (B) 29 P.S.I. To (C) 29 P.S.I.
Tool Closed I.C.I.P. From 10:06 M. to 10:36 M. Hr. 30 Min. (D) 1610 P.S.I.
Tool Open F.F.P. From 10:37 M. to 11:37 M. 1 Hr. 45 P.S.I. To (F) 125 P.S.I.
Tool Closed F.C.I.P. From 11:38 M. to 12:08 M. Hr. 30 Min. (G) 1608 P.S.I.
Initial Hydrostatic Pressure (A) 2428 P.S.I. Final Hydrostatic Pressure (H) 2409 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION Very strong blow throughout test. Bottom Choke Size 3/4 In.

BLOW Very strong blow throughout test. Bottom Choke Size 3/4 In.

Did Well Flow Yes no Recovery Total Ft. Gas to surface 20 minutes - 124' of heavy oil and gas cut

mid - 20' of clean oil - 186' of gassy, muddy oil. Mud

Reversed Out Yes no No Mud Type starch Viscosity 44 Weight 10 Maximum Temp. 135 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make no Ser. No. no

Type Circ. Sub. 1/2 F.H. Plug Did Tool Plug? no Where? no Did Packer Hold? yes

Length Drill Pipe 3552.4 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 912.60 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars 35 ft.

I. D. Drill Collars 35 in. Length D. S. T. Tool 35 ft.

Remarks

WESTERN TESTING CO., INC. Pressure Data

Date October 6, 1964 Test Ticket No. 4323
Recorder No. 1562 Capacity 3150 Location 4490 Ft.
Clock No. 4964 Elevation 1518 Derrick Floor Well Temperature 135 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2428</u> P.S.I.	Opened Tool	<u>10:00 P</u> M	
B First Initial Flow Pressure	<u>29</u> P.S.I.	First Flow Pressure	<u>3</u> Mins.	<u>3</u> Mins.
C First Final Flow Pressure	<u>29</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1610</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>57</u> Mins.
E Second Initial Flow Pressure	<u>45</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>125</u> P.S.I.			
G Final Closed-in Pressure	<u>1608</u> P.S.I.			
H Final Hydrostatic Mud	<u>2409</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: <u>1</u> Inc.	Breakdown: <u>9</u> Inc.	Breakdown: <u>11</u> Inc.	Breakdown: <u>9</u> Inc.
of <u>3</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>29</u>	<u>0</u>	<u>29</u>	<u>0</u>	<u>45</u>	<u>0</u>	<u>125</u>
P 2 <u>3</u>	<u>29</u>	<u>3</u>	<u>386</u>	<u>5</u>	<u>47</u>	<u>3</u>	<u>443</u>
P 3		<u>6</u>	<u>1607</u>	<u>10</u>	<u>53</u>	<u>9</u>	<u>1607</u>
P 4		<u>9</u>	<u>1608</u>	<u>15</u>	<u>59</u>	<u>12</u>	<u>1608</u>
P 5		<u>12</u>	<u>1609</u>	<u>20</u>	<u>65</u>	<u>15</u>	<u>1608</u>
P 6		<u>15</u>	<u>1610</u>	<u>25</u>	<u>75</u>	<u>18</u>	<u>1608</u>
P 7		<u>18</u>	<u>1610</u>	<u>30</u>	<u>83</u>	<u>21</u>	<u>1608</u>
P 8		<u>21</u>	<u>1610</u>	<u>35</u>	<u>91</u>	<u>24</u>	<u>1608</u>
P 9		<u>24</u>	<u>1610</u>	<u>40</u>	<u>98</u>	<u>27</u>	<u>1608</u>
P 10		<u>27</u>	<u>1610</u>	<u>45</u>	<u>108</u>		
P 11				<u>50</u>	<u>117</u>		
P 12				<u>55</u>	<u>122</u>		
P 13				<u>57</u>	<u>125</u>		
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

Pickrell Drig. Co.
Preplow #3

Test #4
TAT #4323

