



Home Office: Great Bend, Kansas

P. O. Box 793

Swift 3-7903

Company Pickrell Drilling Company Lease & Well No. Ashely #1
Elevation 2120 Kelly Bushings Formation Ft. Scott Ticket Number 7694
Date Nov. 2, 1966 Sec. 34 Twp. 20s Range 23w County Ness State Kansas
Test Approved by Dan Bowles Western Representative Dean Blagrave

Formation Test No. 1 O.K. ☒ Misrun Interval Tested From 4220' to 4260' Total Depth 4260'
Size Main Hole 7 7/8 Rat Hole none Conv. B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. Damaged Yes ☐ No
Packer Depth 4216 Ft. Size 6 3/4 Packer Depth 4220 Ft. Size 6 3/4
Straddle Yes ☒ No Conv. B.T. Damaged Yes ☐ No

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 40 Ft. Size 5 1/2 OD
RECORDERS Depth 4251 Ft. Clock No. 6892 Depth 4254 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside Outside Bottom Make Amerada Cap. 4300 No. 1567 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 9:19 P M
Tool Open I.F.P. From 9:20 M to 9:25 M Hr. 5 Min. From (B) 60 P.S.I. To (C) 62 P.S.I.
Tool Closed I.C.I.P. From 9:25 M to 9:55 M Hr. 30 Min. (D) 769 P.S.I.
Tool Open F.F.P. From 9:55P M. to 11:55 M. 2 Hr. Min. From (E) 83 P.S.I. To (F) 124 P.S.I.
Tool Closed F.C.I.P. From 11:55P M. to 12:55 M. 1 Hr. Min. (G) 794 P.S.I.
Initial Hydrostatic Pressure (A) 2201 P.S.I. Final Hydrostatic Pressure (H) 2189 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Good throughout. Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No Recovery Total Ft. 355' gas in pipe; 185' oil and gas cut mud

Reversed Out Yes ☒ No Mud Type starch Viscosity 46 Weight 9.6 Maximum Temp. 116 °F

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

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

Length Drill Pipe _____ ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 940 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 58 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date November 2, 1966

Test Ticket No. 7694

Recorder No. 2606

Capacity 4150

Location 4251 Ft.

Clock No. 6892

Elevation 2120 Kelly Bushings

Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2201</u> P.S.I.	Opened Tool	<u>9:19 P M</u>	
B First Initial Flow Pressure	<u>60</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>62</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>769</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>119</u> Mins.
E Second Initial Flow Pressure	<u>83</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>124</u> P.S.I.			
G Final Closed-in Pressure	<u>794</u> P.S.I.			
H Final Hydrostatic Mud	<u>2189</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.

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

Initial Shut-In

Breakdown: 10 Inc.
of 3 mins. and a
final inc. of = Min.

Second Flow Pressure

Breakdown: 23 Inc.
of 5 mins. and a
final inc. of 4 Min.

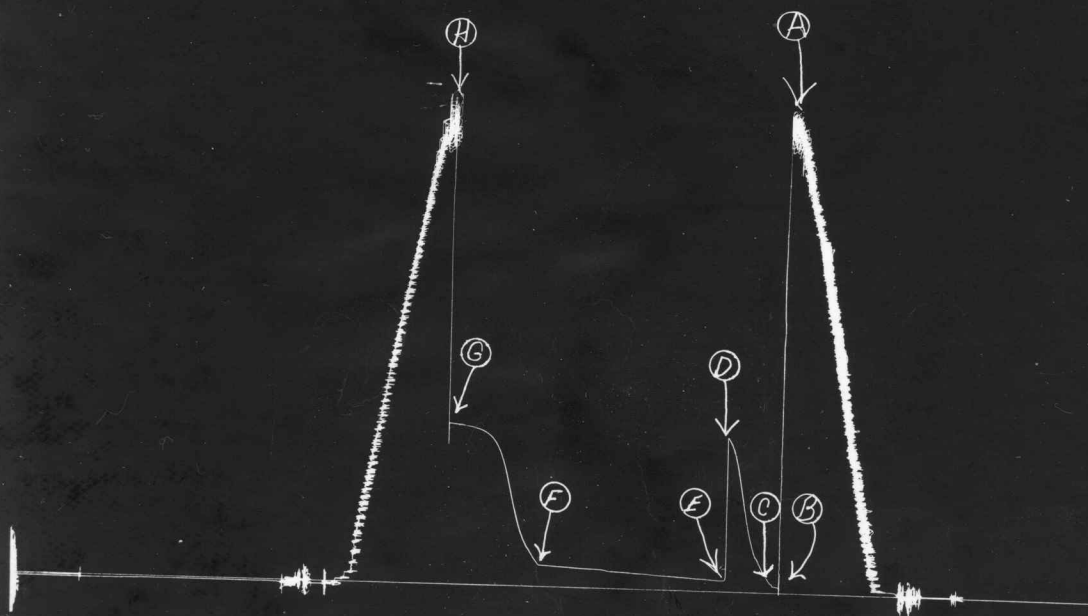
Final Shut-In

Breakdown: 20 Inc.
of 3 mins. and a
final inc. of = Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>60</u>	<u>0</u>	<u>62</u>	<u>0</u>	<u>83</u>	<u>0</u>	<u>124</u>
P 2 <u>5</u>	<u>62</u>	<u>3</u>	<u>83</u>	<u>5</u>	<u>83</u>	<u>3</u>	<u>145</u>
P 3		<u>6</u>	<u>114</u>	<u>10</u>	<u>83</u>	<u>6</u>	<u>180</u>
P 4		<u>9</u>	<u>156</u>	<u>15</u>	<u>86</u>	<u>9</u>	<u>220</u>
P 5		<u>12</u>	<u>211</u>	<u>20</u>	<u>87</u>	<u>12</u>	<u>266</u>
P 6		<u>15</u>	<u>297</u>	<u>25</u>	<u>89</u>	<u>15</u>	<u>332</u>
P 7		<u>18</u>	<u>405</u>	<u>30</u>	<u>91</u>	<u>18</u>	<u>412</u>
P 8		<u>21</u>	<u>526</u>	<u>35</u>	<u>93</u>	<u>21</u>	<u>508</u>
P 9		<u>24</u>	<u>630</u>	<u>40</u>	<u>94</u>	<u>24</u>	<u>582</u>
P 10		<u>27</u>	<u>717</u>	<u>45</u>	<u>94</u>	<u>27</u>	<u>651</u>
P 11		<u>30</u>	<u>764</u>	<u>50</u>	<u>95</u>	<u>30</u>	<u>698</u>
P 12				<u>55</u>	<u>97</u>	<u>33</u>	<u>733</u>
P 13				<u>60</u>	<u>100</u>	<u>36</u>	<u>752</u>
P 14				<u>65</u>	<u>103</u>	<u>39</u>	<u>764</u>
P 15				<u>70</u>	<u>105</u>	<u>42</u>	<u>773</u>
P 16				<u>75</u>	<u>107</u>	<u>45</u>	<u>779</u>
P 17				<u>80</u>	<u>109</u>	<u>48</u>	<u>783</u>
P 18				<u>85</u>	<u>111</u>	<u>51</u>	<u>787</u>
P 19				<u>90</u>	<u>113</u>	<u>54</u>	<u>789</u>
P 20				<u>95</u>	<u>115</u>	<u>57</u>	<u>792</u>
				<u>100</u>	<u>118</u>	<u>60</u>	<u>794</u>
				<u>105</u>	<u>120</u>		
				<u>110</u>	<u>122</u>		
				<u>115</u>	<u>123</u>		
				<u>119</u>	<u>124</u>		

Pickrell Drllg Co.
Ashley #1

TKT-769A
Test #1



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	2201	PSI
(B) First Initial Flow Pressure	60	PSI
(C) First Final Flow Pressure	62	PSI
(D) Initial Closed-in Pressure	769	PSI
(E) Second Initial Flow Pressure	83	PSI
(F) Second Final Flow Pressure	124	PSI
(G) Final Closed-in Pressure	794	PSI
(H) Final Hydrostatic Mud	2189	PSI



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

Company Pickrell Drilling Company Lease & Well No. Ashley #1
Elevation 2120 Kelly Bushings Formation Mississippi Ticket Number 7695
Date Nov. 3, 1966 Sec. 34 Twp. 20s Range 23w County Ness State Kansas
Test Approved by Dan Bowles Western Representative Dean Blagrove

Formation Test No. 2 O.K. ☒ Misrun Interval Tested From 4321' to 4335' Total Depth 4335'
Size Main Hole 7 7/8 Hole none Conv. B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. Damaged Yes ☒ No
Packer Depth 4317 Ft. Size 6 3/4 Packer Depth 4321 Ft. Size 6 3/4
Straddle Yes ☒ No Conv. B.T. Damaged Yes No
Packer Depth Ft. Size

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 14 Ft. Size 5 1/2 OD
RECORDERS Depth 4326 Ft. Clock No. 6892 Depth 4329 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside Outside Bottom Make Amerada Cap. 4300 No. 1567 Inside Outside
Below Straddle: Depth Clock No. Outside Depth Ft. Clock No. Outside
Top Make Cap. No. Outside Bottom Make Cap. No. Outside

Time Set Packer 4:24 P M
Tool Open I.F.P. From 4:25 M to 4:30 M Hr. 5 Min. From (B) 60 P.S.I. To (C) 04 P.S.I.
Tool Closed I.C.I.P. From 4:30 P M. to 5:00 M. Hr. 30 Min. (D) 1265 P.S.I.
Tool Open F.F.P. From 5:00 M. to 7:00 P M. 2 Hr. Min. From (E) 104 P.S.I. To (F) 374 P.S.I.
Tool Closed F.C.I.P. From 7:00 M. to 8:00 P M. 1 Hr. Min. (G) 970 P.S.I.
Initial Hydrostatic Pressure (A) 2312 P.S.I. Final Hydrostatic Pressure (H) 2287 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Good decreasing toward end of test. Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No Recovery Total Ft. 75' gas in pipe; 825' clean oil; 120' oil cut mud
Mud

Reversed Out Yes ☒ No Mud Type starch Viscosity 52 Weight 9.9 Maximum Temp. 119 °F
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make Ser. No.
Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes
Length Drill Pipe _____ ft. I.D. Drill Pipe _____ in Length Weight Pipe 940 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 32 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date November 3, 1966 Test Ticket No. 7695
 Recorder No. 2606 Capacity 4150 Location 4326 Ft.
 Clock No. 6892 Elevation 2120 Kelly Bushings Well Temperature 119 °F

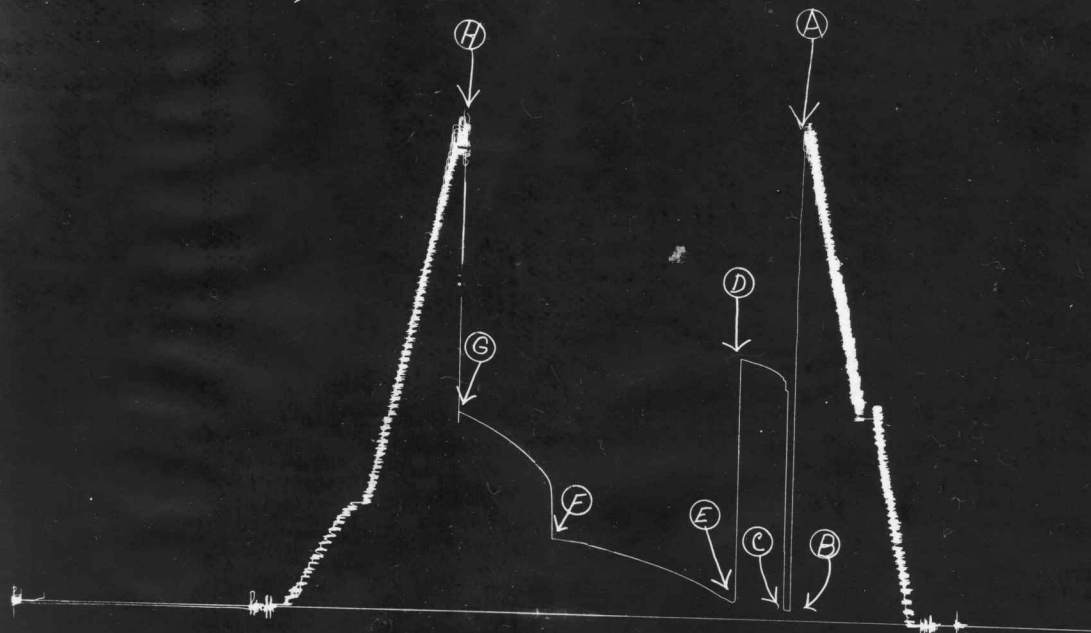
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2312</u> P.S.I.	Opened Tool	<u>4:24 P.M.</u>	
B First Initial Flow Pressure	<u>60</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>64</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>31</u> Mins.
D Initial Closed-in Pressure	<u>1265</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>104</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>61</u> Mins.
F Second Final Flow Pressure	<u>374</u> P.S.I.			
G Final Closed-in Pressure	<u>970</u> P.S.I.			
H Final Hydrostatic Mud	<u>2287</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>10</u> Inc.		Breakdown: <u>24</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>=</u> Min.		final inc. of <u>1</u> Min.		final inc. of <u>=</u> Min.		final inc. of <u>1</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>60</u>	<u>0</u>	<u>64</u>	<u>0</u>	<u>104</u>	<u>0</u>	<u>374</u>
P 2 <u>5</u>	<u>64</u>	<u>3</u>	<u>889</u>	<u>5</u>	<u>106</u>	<u>3</u>	<u>644</u>
P 3		<u>6</u>	<u>1142</u>	<u>10</u>	<u>124</u>	<u>6</u>	<u>684</u>
P 4		<u>9</u>	<u>1186</u>	<u>15</u>	<u>145</u>	<u>9</u>	<u>711</u>
P 5		<u>12</u>	<u>1207</u>	<u>20</u>	<u>166</u>	<u>12</u>	<u>733</u>
P 6		<u>15</u>	<u>1220</u>	<u>25</u>	<u>181</u>	<u>15</u>	<u>752</u>
P 7		<u>18</u>	<u>1229</u>	<u>30</u>	<u>197</u>	<u>18</u>	<u>773</u>
P 8		<u>21</u>	<u>1240</u>	<u>35</u>	<u>212</u>	<u>21</u>	<u>792</u>
P 9		<u>24</u>	<u>1248</u>	<u>40</u>	<u>226</u>	<u>24</u>	<u>810</u>
P10		<u>27</u>	<u>1254</u>	<u>45</u>	<u>239</u>	<u>27</u>	<u>827</u>
P11		<u>30</u>	<u>1262</u>	<u>50</u>	<u>253</u>	<u>30</u>	<u>841</u>
P12		<u>31</u>	<u>1265</u>	<u>55</u>	<u>264</u>	<u>33</u>	<u>858</u>
P13				<u>60</u>	<u>275</u>	<u>36</u>	<u>873</u>
P14				<u>65</u>	<u>284</u>	<u>39</u>	<u>886</u>
P15				<u>70</u>	<u>295</u>	<u>42</u>	<u>899</u>
P16				<u>75</u>	<u>305</u>	<u>45</u>	<u>910</u>
P17				<u>80</u>	<u>314</u>	<u>48</u>	<u>923</u>
P18				<u>85</u>	<u>325</u>	<u>51</u>	<u>935</u>
P19				<u>90</u>	<u>335</u>	<u>54</u>	<u>945</u>
P20				<u>95</u>	<u>348</u>	<u>57</u>	<u>953</u>
				<u>100</u>	<u>359</u>	<u>60</u>	<u>966</u>
				<u>105</u>	<u>366</u>	<u>61</u>	<u>970</u>
				<u>110</u>	<u>368</u>		
				<u>115</u>	<u>370</u>		
				<u>120</u>	<u>374</u>		

Pickrell Drlg. Co.
Ashley #1

TRT-7695
Test #2



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	2312	PSI
(B) First Initial Flow Pressure	60	PSI
(C) First Final Flow Pressure	64	PSI
(D) Initial Closed-in Pressure	1265	PSI
(E) Second Initial Flow Pressure	104	PSI
(F) Second Final Flow Pressure	374	PSI
(G) Final Closed-in Pressure	970	PSI
(H) Final Hydrostatic Mud	2287	PSI