



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

Company Time Petroleum Company Lease & Well No. Cook #1
Elevation 2447 Derrick Floor Ticket Number 5852
Date August 27, 1964 Sec. 36 Twp. 28 Range 22w County Ford State Kansas
Test Approved by Toby Elster Western Representative W. M. Nething

Formation Test No. 2 O.K. ☒ Misrun _____ Interval Tested From 5010' to 5140' Total Depth 5140'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No _____
Packer Depth 5010' Ft. Size 6 3/4 Packer Depth 5005 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 P. H. Anchor Length 130 Ft. Size 5 1/2 O. D. & 6 1/2 D. C.

RECORDERS	Depth <u>5020</u>	Ft.	Clock No. <u>6866</u>	Depth <u>5022</u>	Ft.	Clock No. <u>143</u>
	Top Make <u>Amorada</u>	Cap. <u>3150</u>	No. <u>1564</u>	Bottom Make <u>Western</u>	Cap. <u>4000</u>	No. <u>17</u>
			Inside _____ Outside _____			Inside _____ Outside _____
Below Straddle:	Depth _____		Clock No. _____	Depth _____	Ft.	Clock No. _____
	Top Make _____	Cap. _____	No. _____	Bottom Make _____	Cap. _____	No. _____
			Inside _____ Outside _____			Inside _____ Outside _____

Time Set Packer 12:04 P M
Tool Open I.F.P. From 12:07 P M to 12:12 P M Hr. 5 Min. From (B) 57 P.S.I. To (C) 60 P.S.I.
Tool Closed I.C.I.P. From 12:12 P M. to 12:57 P M. Hr. 45 Min. (D) 1697 P.S.I.
Tool Open F.F.P. From 12:57 P M. to 3:57 P M. 3 Hr. Min. From (E) 80 P.S.I. To (F) 202 P.S.I.
Tool Closed F.C.I.P. From 3:57 P M. to 3:42 P M. Hr. 45 Min. (G) 1466 P.S.I.
Initial Hydrostatic Pressure (A) 2817 P.S.I. Final Hydrostatic Pressure (H) 2748 P.S.I.

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

BLOW Weak blow increasing to fair blow Bottom Choke Size 3/4 in.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 1170' gas in pipe = 180' gas cut mud - 180' gas cut salt water

Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 48 Weight 9.9 Maximum Temp. 119 °F
EXTRA EQUIPMENT: Dual Packers dual Safety Joint yes Jars: Size no Make _____ Ser. No. _____
Type Circ. Sub. plug Did Tool Plug? _____ Where? _____ Did Packer Hold? yes
Length Drill Pipe 4041 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 947 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D. S. T. Tool 152 ft.
Remarks _____

WESTERN TESTING CO., INC. Pressure Data

Date August 27, 1964 Test Ticket No. 5852
Recorder No. 1564 Capacity 3150 Location 5020 Ft.
Clock No. 6866 Elevation 2447 Derrick Floor Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2817</u> P.S.I.	Opened Tool	<u>12:04 P</u> M	
B First Initial Flow Pressure	<u>57</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>60</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1697</u> P.S.I.	Second Flow Pressure	<u>180</u> Mins.	<u>180</u> Mins.
E Second Initial Flow Pressure	<u>80</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>48</u> Mins.
F Second Final Flow Pressure	<u>202</u> P.S.I.			
G Final Closed-in Pressure	<u>1466</u> P.S.I.			
H Final Hydrostatic Mud	<u>2748</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>36</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>16</u> Inc. of <u>3</u> mins. and a 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>57</u>	<u>0</u>	<u>60</u>	<u>0</u>	<u>80</u>	<u>0</u>	<u>202</u>
P 2 <u>5</u>	<u>60</u>	<u>3</u>	<u>128</u>	<u>5</u>	<u>83</u>	<u>3</u>	<u>237</u>
P 3		<u>6</u>	<u>231</u>	<u>10</u>	<u>89</u>	<u>6</u>	<u>286</u>
P 4		<u>9</u>	<u>398</u>	<u>15</u>	<u>97</u>	<u>9</u>	<u>353</u>
P 5		<u>12</u>	<u>690</u>	<u>20</u>	<u>103</u>	<u>12</u>	<u>453</u>
P 6		<u>15</u>	<u>1077</u>	<u>25</u>	<u>108</u>	<u>15</u>	<u>567</u>
P 7		<u>18</u>	<u>1328</u>	<u>30</u>	<u>111</u>	<u>18</u>	<u>685</u>
P 8		<u>21</u>	<u>1461</u>	<u>35</u>	<u>114</u>	<u>21</u>	<u>790</u>
P 9		<u>24</u>	<u>1531</u>	<u>40</u>	<u>117</u>	<u>24</u>	<u>923</u>
P 10		<u>27</u>	<u>1584</u>	<u>45</u>	<u>122</u>	<u>27</u>	<u>1045</u>
P 11		<u>30</u>	<u>1616</u>	<u>50</u>	<u>125</u>	<u>30</u>	<u>1145</u>
P 12		<u>33</u>	<u>1643</u>	<u>55</u>	<u>128</u>	<u>33</u>	<u>1232</u>
P 13		<u>36</u>	<u>1662</u>	<u>60</u>	<u>132</u>	<u>36</u>	<u>1314</u>
P 14		<u>39</u>	<u>1676</u>	<u>65</u>	<u>136</u>	<u>39</u>	<u>1374</u>
P 15		<u>42</u>	<u>1687</u>	<u>70</u>	<u>139</u>	<u>42</u>	<u>1417</u>
P 16		<u>45</u>	<u>1697</u>	<u>75</u>	<u>142</u>	<u>45</u>	<u>1442</u>
P 17				<u>80</u>	<u>147</u>	<u>48</u>	<u>1466</u>
P 18				<u>85</u>	<u>150</u>		
P 19				<u>90</u>	<u>154</u>		
P 20				<u>95</u>	<u>158</u>		
				<u>100</u>	<u>163</u>		
				<u>105</u>	<u>167</u>		
				<u>110</u>	<u>171</u>		
				<u>115</u>	<u>175</u>		
				<u>120</u>	<u>178</u>		
				<u>125</u>	<u>180</u>		
				<u>130</u>			
				<u>135</u>			
				<u>140</u>			

First Flow Press.

Breakdown: _____ Inc.
 of _____ mins. and a
 final inc. of _____ Min.

Initial Shut-In

Breakdown: _____ Inc.
 of _____ mins. and a
 final inc. of _____ Min.

Second Flow Pressure

Breakdown: _____ Inc.
 of _____ mins. and a
 final inc. of _____ Min.

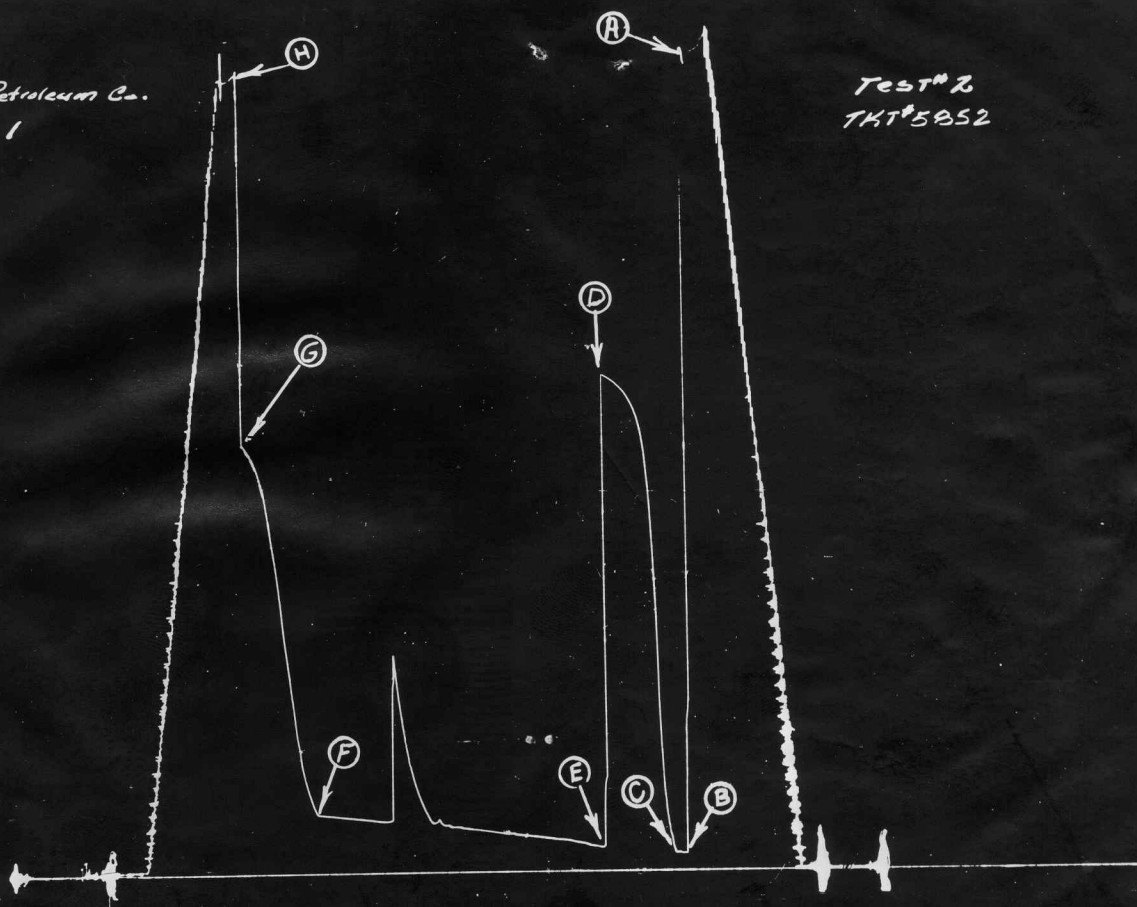
Final Shut-In

Breakdown: _____ Inc.
 of _____ mins. and a
 final inc. of _____ Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1				145	183		
P 2				150	188		
P 3				155	191		
P 4				160	194		
P 5				170	197		
P 6				175	200		
P 7				180	202		
P 8				Due to tool plugging from 105 to 130, there was no breakdown made at these points.			
P 9							
P10							
P11							
P12							
P13							
P14							

Time Petroleum Co.
Cook # 1

Test # 2
TKT # 5852





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

Company Time Petroleum Company Lease & Well No. Cook #1
Elevation 2447 Derrick Floor Ticket Number 5853
Date August 28, 1964 Sec. 36 Twp. 28 Range 22W County Ford State Kansas
Test Approved by Toby Elster Western Representative W. M. Nething

Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 5153' to 5185' Total Depth 5185'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No _____
Packer Depth 5153 Ft. Size 6 3/4 Packer Depth 5148 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 32 Ft. Size 5 1/2 O. D.

RECORDERS	Depth <u>5163</u>	Ft	Clock No. <u>6866</u>	Depth <u>5165</u>	Ft.	Clock No. <u>143</u>
	Top Make <u>Amerada</u>	Cap. <u>3150</u>	No. <u>1564</u>	Bottom Make <u>Western</u>	Cap. <u>4000</u>	No. <u>17</u>
			Inside _____			Inside _____
			Outside _____			Outside _____
Below Straddle:	Depth _____	Clock No. _____	Inside _____	Depth _____	Ft.	Clock No. _____
			Outside _____			Outside _____
	Top Make _____	Cap. _____	No. _____	Bottom Make _____	Cap. _____	No. _____
			Inside _____			Inside _____
			Outside _____			Outside _____

Time Set Packer 7:44 A M
Tool Open I.F.P. From 7:47 A M to 7:51 A M Hr. 4 Min. From (B) 93 P.S.I. To (C) 93 P.S.I.
Tool Closed I.C.I.P. From 7:51 A M. to 8:34 A M. Hr. 45 Min. (D) 1639 P.S.I.
Tool Open F.F.P. From 8:34 A M. to 10:34 A M. 2 Hr. Min. From (E) 82 P.S.I. To (F) 114 P.S.I.
Tool Closed F.C.I.P. From 10:34 A M. to 11:34 A M. 1 Hr. Min. (G) 1549 P.S.I.
Initial Hydrostatic Pressure (A) 2882 P.S.I. Final Hydrostatic Pressure (H) 2806 P.S.I.

SURFACE	Size Choke <u>3/4</u> In.	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION	(SEE ATTACHED SHEET)			
			M.	
			M.	
			M.	

BLOW Strong blow - Gas to surface 4 minutes Bottom Choke Size 3/4 in.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 45' slightly oil and gas cut mud - 188' heavily oil and gas cut mud - 188' very heavily oil and gas cut mud. Mud _____
Reversed Out _____ Yes _____ No _____ Mud Type starch Viscosity 5.5 Weight 9.9 Maximum Temp. 118 °F
EXTRA EQUIPMENT: Dual Packers dual Safety Joint yes Jars: Size no Make _____ Ser. No. _____
Type Circ. Sub. plug Did Tool Plug? _____ Where? _____ Did Packer Hold? yes
Length Drill Pipe 4184 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 947 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D. S. T. Tool 54 ft.
Remarks _____

WESTERN TESTING CO., INC. Pressure Data

Date August 28, 1964 Test Ticket No. 5853
Recorder No. 1564 Capacity 3150 Location 5163 Ft.
Clock No. 6866 Elevation 2447 Derrick Floor Well Temperature 118 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2802</u> P.S.I.	<u>7:44</u> A M	
B First Initial Flow Pressure	<u>93</u> P.S.I.	<u>4</u> Mins.	<u>4</u> Mins.
C First Final Flow Pressure	<u>93</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1639</u> P.S.I.	<u>120</u> Mins.	<u>119</u> Mins.
E Second Initial Flow Pressure	<u>82</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>114</u> P.S.I.		
G Final Closed-in Pressure	<u>1549</u> P.S.I.		
H Final Hydrostatic Mud	<u>2806</u> P.S.I.		

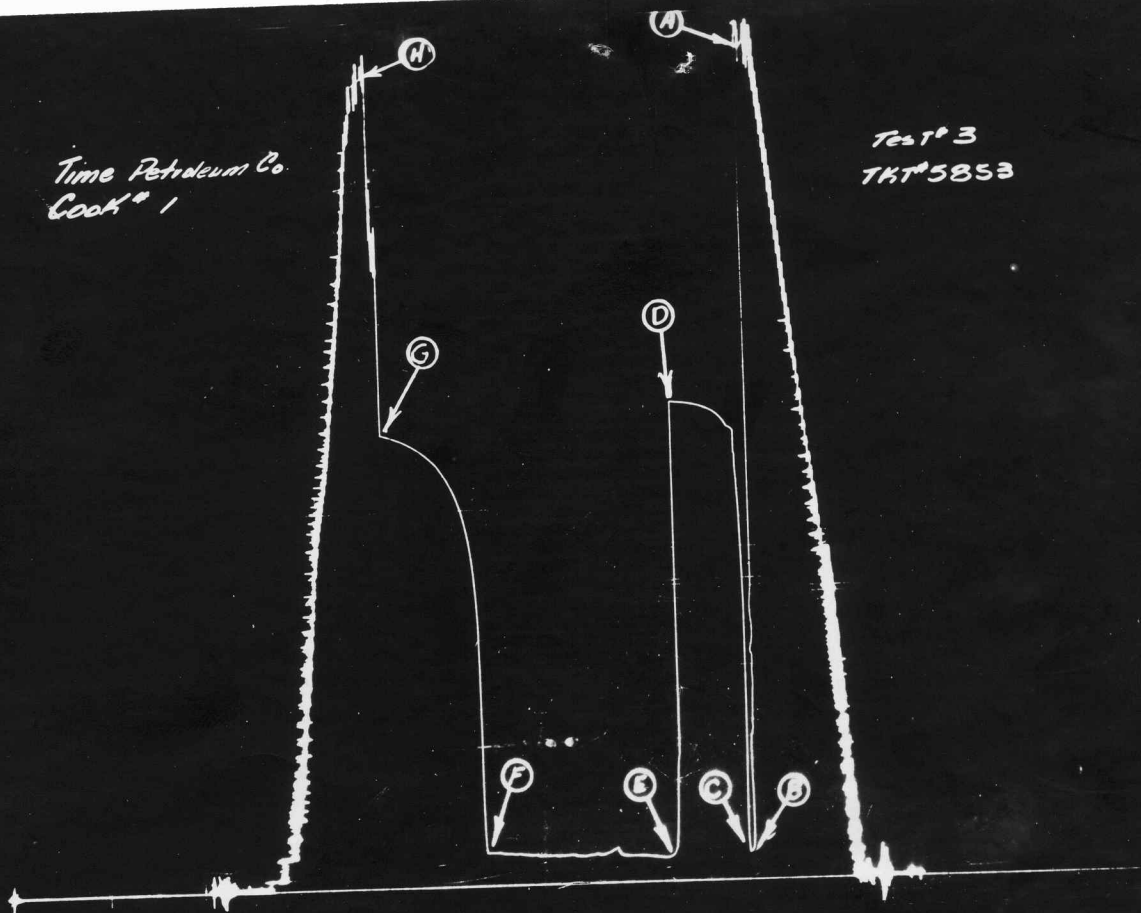
PRESSURE BREAKDOWN

First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: <u>1</u> Inc. of <u>4</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>23</u> Inc. of <u>5</u> mins. and a final inc. of <u>4</u> Min.	Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a 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>93</u>	<u>0</u>	<u>93</u>	<u>0</u>	<u>82</u>	<u>0</u>	<u>114</u>
P 2 <u>4</u>	<u>93</u>	<u>3</u>	<u>1281</u>	<u>5</u>	<u>83</u>	<u>3</u>	<u>743</u>
P 3		<u>6</u>	<u>1522</u>	<u>10</u>	<u>84</u>	<u>6</u>	<u>1120</u>
P 4		<u>9</u>	<u>1542</u>	<u>15</u>	<u>85</u>	<u>9</u>	<u>1211</u>
P 5		<u>12</u>	<u>1569</u>	<u>20</u>	<u>88</u>	<u>12</u>	<u>1284</u>
P 6		<u>15</u>	<u>1590</u>	<u>25</u>	<u>91</u>	<u>15</u>	<u>1327</u>
P 7		<u>18</u>	<u>1604</u>	<u>30</u>	<u>92</u>	<u>18</u>	<u>1366</u>
P 8		<u>21</u>	<u>1611</u>	<u>35</u>	<u>93</u>	<u>21</u>	<u>1396</u>
P 9		<u>24</u>	<u>1617</u>	<u>40</u>	<u>94</u>	<u>24</u>	<u>1422</u>
P 10		<u>27</u>	<u>1624</u>	<u>45</u>	<u>96</u>	<u>27</u>	<u>1444</u>
P 11		<u>30</u>	<u>1628</u>	<u>50</u>	<u>98</u>	<u>30</u>	<u>1461</u>
P 12		<u>33</u>	<u>1632</u>	<u>55</u>	<u>99</u>	<u>33</u>	<u>1476</u>
P 13		<u>36</u>	<u>1635</u>	<u>60</u>	<u>99</u>	<u>36</u>	<u>1488</u>
P 14		<u>39</u>	<u>1637</u>	<u>65</u>	<u>99</u>	<u>39</u>	<u>1500</u>
P 15		<u>42</u>	<u>1638</u>	<u>70</u>	<u>100</u>	<u>42</u>	<u>1511</u>
P 16		<u>45</u>	<u>1639</u>	<u>75</u>	<u>100</u>	<u>45</u>	<u>1520</u>
P 17				<u>80</u>	<u>100</u>	<u>48</u>	<u>1528</u>
P 18				<u>85</u>	<u>101</u>	<u>51</u>	<u>1534</u>
P 19				<u>90</u>	<u>102</u>	<u>54</u>	<u>1539</u>
P 20				<u>95</u>	<u>104</u>	<u>57</u>	<u>1546</u>
				<u>100</u>	<u>106</u>	<u>60</u>	<u>1549</u>
				<u>105</u>	<u>109</u>		
				<u>110</u>	<u>111</u>		
				<u>115</u>	<u>113</u>		
				<u>119</u>	<u>114</u>		

Time Petroleum Co.
Cook # 1

Test # 3
TKT#5853





Home Office: Great Bend, Kansas

P. O. Box 793 Gladstone 3-7903

Company Time Petroleum Company Lease & Well No. Cook #1
Elevation 2447 Derrick Floor Ticket Number 5854
Date August 29, 1964 Sec. 36 Twp. 28 Range 22W County Ford State Kansas
Test Approved by Toby Elster Western Representative W. M. Nething

Formation Test No. 4 O.K. ☒ Misrun _____ Interval Tested From 5185' to 5212' Total Depth 5212'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No
Packer Depth 5185 Ft. Size 6 3/4 Packer Depth 5180 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 27 Ft. Size 5 1/2 O. D.

RECORDERS	Depth <u>5195</u> Ft.	Clock No. <u>6866</u>	Depth <u>5197</u> Ft.	Clock No. <u>143</u>
	Top Make <u>Amerada</u> Cap. <u>3150</u> No. <u>1564</u>	Inside _____ Outside _____	Bottom Make <u>Western</u> Cap. <u>4000</u> No. <u>17</u>	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 11:50 P M
Tool Open I.F.P. From 11:53 P to 11:58 P Hr. 5 Min. From (B) 31 P.S.I. To (C) 31 P.S.I.
Tool Closed I.C.I.P. From 11:58 P M. to 12:43 A M. Hr. 30 Min. (D) 978 P.S.I.
Tool Open F.F.P. From 12:43 A M. to 2:43 A M. 2 Hr. Min. From (E) 40 P.S.I. To (F) 48 P.S.I.
Tool Closed F.C.I.P. From 2:43 A M. to 3:43 A M. 1 Hr. Min. (G) 156 P.S.I.
Initial Hydrostatic Pressure (A) 2848 P.S.I. Final Hydrostatic Pressure (H) 2814 P.S.I.

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

BLOW Weak blow 6 minutes . Flushed tool weak blow 3 minutes. Bottom Choke Size 3/4 in.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 20' mud

Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 49 Weight 9.9 Maximum Temp. 121 °F
EXTRA EQUIPMENT: Dual Packers dual Safety Joint yes Jars: Size no Make _____ Ser. No. _____
Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes
Length Drill Pipe 4216 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 947 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D. S. T. Tool 49 ft.

Remarks _____

WESTERN TESTING CO., INC. Pressure Data

Date August 29, 1964 Test Ticket No. 5854
Recorder No. 1564 Capacity 3150 Location 51525195 Ft.
Clock No. 6866 Elevation 2447 Derrick Floor Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2848</u> P.S.I.	Opened Tool	<u>11:50 P</u> M	
B First Initial Flow Pressure	<u>31</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>31</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>978</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>40</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>48</u> P.S.I.			
G Final Closed-in Pressure	<u>156</u> P.S.I.			
H Final Hydrostatic Mud	<u>2814</u> P.S.I.			

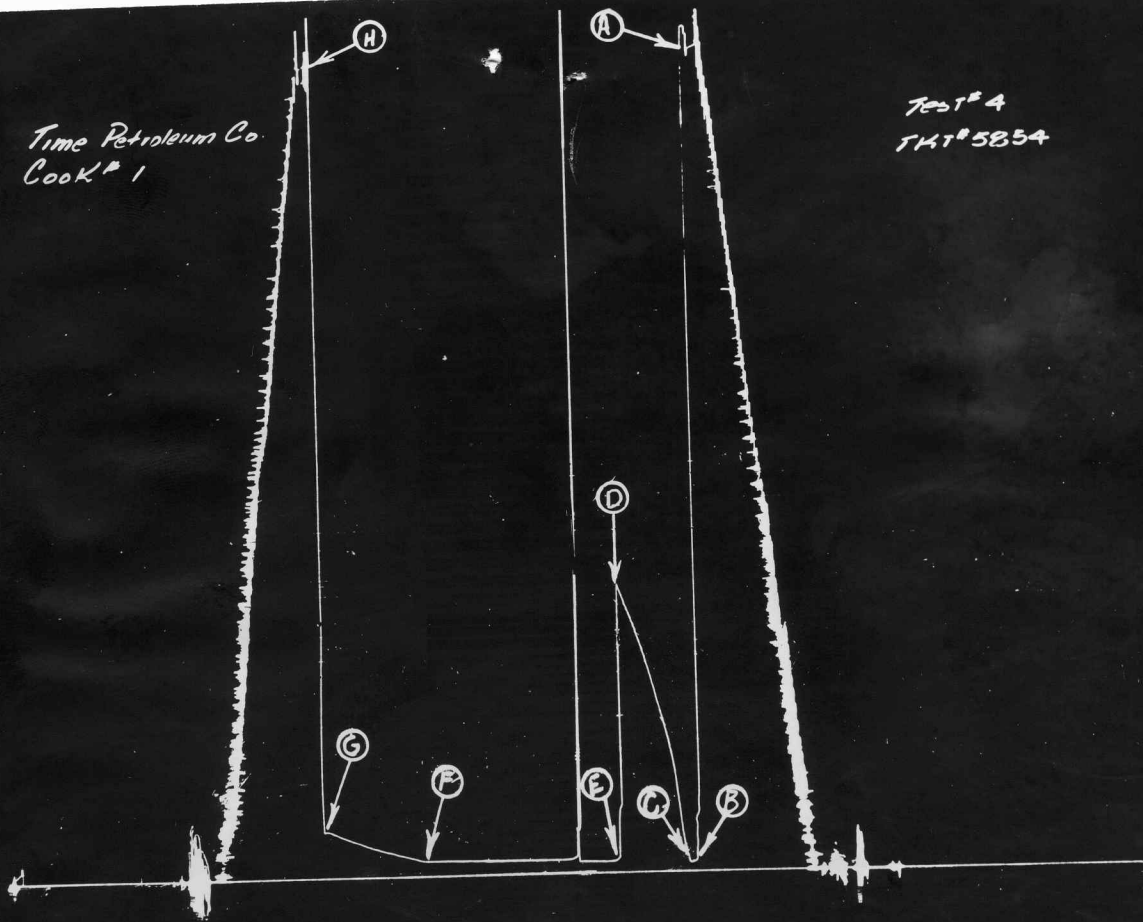
PRESSURE BREAKDOWN

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>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>24</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>31</u>	<u>0</u>	<u>31</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>48</u>
P 2 <u>5</u>	<u>31</u>	<u>3</u>	<u>89</u>	<u>5</u>	<u>40</u>	<u>3</u>	<u>51</u>
P 3		<u>6</u>	<u>183</u>	<u>10</u>	<u>40</u>	<u>6</u>	<u>57</u>
P 4		<u>9</u>	<u>295</u>	<u>15</u>	<u>40</u>	<u>9</u>	<u>63</u>
P 5		<u>12</u>	<u>383</u>	<u>20</u>	<u>40</u>	<u>12</u>	<u>68</u>
P 6		<u>15</u>	<u>453</u>	<u>25</u>	<u>40</u>	<u>15</u>	<u>72</u>
P 7		<u>18</u>	<u>515</u>	<u>30</u>	<u>48</u>	<u>18</u>	<u>75</u>
P 8		<u>21</u>	<u>568</u>	<u>35</u>	<u>48</u>	<u>21</u>	<u>80</u>
P 9		<u>24</u>	<u>624</u>	<u>40</u>	<u>48</u>	<u>24</u>	<u>83</u>
P 10		<u>27</u>	<u>677</u>	<u>45</u>	<u>48</u>	<u>27</u>	<u>88</u>
P 11		<u>30</u>	<u>732</u>	<u>50</u>	<u>48</u>	<u>30</u>	<u>93</u>
P 12		<u>33</u>	<u>788</u>	<u>55</u>	<u>48</u>	<u>33</u>	<u>97</u>
P 13		<u>36</u>	<u>836</u>	<u>60</u>	<u>48</u>	<u>36</u>	<u>103</u>
P 14		<u>39</u>	<u>879</u>	<u>65</u>	<u>48</u>	<u>39</u>	<u>110</u>
P 15		<u>42</u>	<u>919</u>	<u>70</u>	<u>48</u>	<u>42</u>	<u>116</u>
P 16		<u>45</u>	<u>978</u>	<u>75</u>	<u>48</u>	<u>45</u>	<u>123</u>
P 17				<u>80</u>	<u>48</u>	<u>48</u>	<u>128</u>
P 18				<u>85</u>	<u>48</u>	<u>51</u>	<u>136</u>
P 19				<u>90</u>	<u>48</u>	<u>54</u>	<u>142</u>
P 20				<u>95</u>	<u>48</u>	<u>57</u>	<u>149</u>
				<u>100</u>	<u>48</u>	<u>60</u>	<u>156</u>
				<u>105</u>	<u>48</u>		
				<u>110</u>	<u>48</u>		
				<u>115</u>	<u>48</u>		
				<u>120</u>	<u>48</u>		

Time Petroleum Co.
Cook # 1

Test # 4
TWT # 5854





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

Company Time Petroleum Company Lease & Well No. Cook #1
Elevation 2447 Derrick Floor Ticket Number 5855
Date August 29, 1964 Sec. 36 Twp. 28 Range 22W County Ford State Kansas
Test Approved by Toby Elster Western Representative W. M. Nething

Formation Test No. 5 O.K. ☒ Misrun ☐ Interval Tested From 5212' to 5244' Total Depth 5244'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No
Packer Depth 5212 Ft. Size 6 3/4 Packer Depth 5207 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 P. H. Anchor Length 32 Ft. Size 5 1/2 O. D.

RECORDERS
Depth 5222 Ft. Clock No. 6866 Inside
Top Make Amerada Cap. 3150 No. 1564 Outside
Below Straddle: Depth ☐ Clock No. ☐ Inside
Top Make ☐ Cap. ☐ No. ☐ Outside
Depth 5224 Ft. Clock No. 143 Inside
Bottom Make Western Cap. 4000 No. 17 Outside
Depth ☐ Ft. Clock No. ☐ Inside
Bottom Make ☐ Cap. ☐ No. ☐ Outside

Time Set Packer 4:25 P M
Tool Open I.F.P. From 4:28 P M to 4:33 P M Hr. 5 Min. From (B) 35 P.S.I. To (C) 35 P.S.I.
Tool Closed I.C.I.P. From 4:33 P M. to 5:18 P M. Hr. 45 Min. (D) 1907 P.S.I.
Tool Open F.F.P. From 5:18 P M. to 7:18 P M. Hr. 2 Min. From (E) 41 P.S.I. To (F) 46 P.S.I.
Tool Closed F.C.I.P. From 7:18 P M. to 7:53 M. Hr. 35 Min. (G) 175 P.S.I.
Initial Hydrostatic Pressure (A) 2866 P.S.I. Final Hydrostatic Pressure (H) 2851 P.S.I.

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

BLOW Weak blow 5 minutes. Flushed tool
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 20' mud Bottom Choke Size 3/4 in.

Reversed Out ☒ Yes ☐ No Mud Type starch Viscosity 47 Weight 9.9 Maximum Temp. 121 °F
EXTRA EQUIPMENT: Dual Packers dual Safety Joint yes Jars: Size no Make ☐ Ser. No. ☐
Type Circ. Sub. plug Did Tool Plug? ☐ Where? ☐ Did Packer Hold? yes
Length Drill Pipe 4243 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 947 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ☐ ft.
I. D. Drill Collars ☐ in. Length D. S. T. Tool 54 ft.
Remarks

WESTERN TESTING CO., INC. Pressure Data

Date August 29, 1964 Test Ticket No. 5855
Recorder No. 1564 Capacity 3150 Location 5222 Ft.
Clock No. 6866 Elevation 2447 Derrick Floor Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2866</u> P.S.I.	Opened Tool	<u>4:25 P</u> M	
B First Initial Flow Pressure	<u>35</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>35</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>48</u> Mins.
D Initial Closed-in Pressure	<u>1907</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>41</u> P.S.I.	Final Closed-in Pressure	<u>35</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>46</u> P.S.I.			
G Final Closed-in Pressure	<u>175</u> P.S.I.			
H Final Hydrostatic Mud	<u>2851</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: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 24 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 11 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>35</u>	<u>0</u>	<u>35</u>	<u>0</u>	<u>41</u>	<u>0</u>	<u>46</u>
P 2 <u>5</u>	<u>35</u>	<u>3</u>	<u>142</u>	<u>5</u>	<u>41</u>	<u>3</u>	<u>55</u>
P 3		<u>6</u>	<u>423</u>	<u>10</u>	<u>41</u>	<u>6</u>	<u>62</u>
P 4		<u>9</u>	<u>738</u>	<u>15</u>	<u>41</u>	<u>9</u>	<u>68</u>
P 5		<u>12</u>	<u>985</u>	<u>20</u>	<u>41</u>	<u>12</u>	<u>75</u>
P 6		<u>15</u>	<u>1159</u>	<u>25</u>	<u>46</u>	<u>15</u>	<u>83</u>
P 7		<u>18</u>	<u>1311</u>	<u>30</u>	<u>46</u>	<u>18</u>	<u>91</u>
P 8		<u>21</u>	<u>1442</u>	<u>35</u>	<u>46</u>	<u>21</u>	<u>102</u>
P 9		<u>24</u>	<u>1544</u>	<u>40</u>	<u>46</u>	<u>24</u>	<u>117</u>
P 10		<u>27</u>	<u>1635</u>	<u>45</u>	<u>46</u>	<u>27</u>	<u>136</u>
P 11		<u>30</u>	<u>1702</u>	<u>50</u>	<u>46</u>	<u>30</u>	<u>159</u>
P 12		<u>33</u>	<u>1756</u>	<u>55</u>	<u>46</u>	<u>33</u>	<u>175</u>
P 13		<u>36</u>	<u>1801</u>	<u>60</u>	<u>46</u>		
P 14		<u>39</u>	<u>1763</u>	<u>65</u>	<u>46</u>		
P 15		<u>42</u>	<u>1864</u>	<u>70</u>	<u>46</u>		
P 16		<u>45</u>	<u>1889</u>	<u>75</u>	<u>46</u>		
P 17		<u>48</u>	<u>1907</u>	<u>80</u>	<u>46</u>		
P 18				<u>85</u>	<u>46</u>		
P 19				<u>90</u>	<u>46</u>		
P 20				<u>95</u>	<u>46</u>		
				<u>100</u>	<u>46</u>		
				<u>105</u>	<u>46</u>		
				<u>110</u>	<u>46</u>		
				<u>115</u>	<u>46</u>		
				<u>120</u>	<u>46</u>		

Time Petroleum Co.
Cook #1

Test #5
TKT#5855

