

Home Office: Great Bend, Kansas

P. O. Box 793

GLadstone 3-7903 Customer Order #58A174

Company Continental Oil Company

Lease & Well No. Brehn #4

Tkt. #1551

Date 2-14-62 Sec. 26 Twp. 28 Range 13W County Pratt State Kansas

Test Approved by D. B. Livingston

Western Representative C. F. Bigheart

Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 4039' to 4054' Total Depth 4054'
Size Main Hole 9" Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No ☐
Packer Depth 4034 Ft. Size 8" Packer Depth 4039 Ft. Size 8"
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 15 Ft. Size 5 1/2" O.D.

RECORDERS	Depth <u>4048</u> Ft.	Clock No. <u>6806</u>	Depth <u>4051</u> Ft.	Clock No. <u> </u>
	Top Make <u>Amerada</u> Cap. <u>4200#</u> No. <u>1559</u>	☐ Inside ☒ Outside	Bottom Make <u>Western</u> Cap. <u>4000#</u> No. <u>59</u>	☐ Inside ☒ Outside
	Below Straddle: Depth <u> </u> Clock No. <u> </u>	☐ Inside ☒ Outside	Depth <u> </u> Ft. Clock No. <u> </u>	☐ Inside ☒ Outside
	Top Make <u> </u> Cap. <u> </u> No. <u> </u>	☐ Inside ☒ Outside	Bottom Make <u> </u> Cap. <u> </u> No. <u> </u>	☐ Inside ☒ Outside

Time Set Packer 4:26P M
Tool Open I.F.P. From 4:29P M. to 4:36P M. Hr. 7 Min. From (B) 69 P.S.I. To (C) 120 P.S.I.
Tool Closed I.C.I.P. From 4:36P M. to 5:06P M. Hr. 30 Min. (D) 1393 P.S.I.
Tool Open F.F.P. From 5:06P M. to 6:07P M. 1 Hr. 1 Min. From (E) 108 P.S.I. To (F) 224 P.S.I.
Tool Closed F.C.I.P. From 6:07P M. to 6:39P M. Hr. 32 Min. (G) 1130 P.S.I.
Initial Hydrostatic Pressure (A) 2174 P.S.I. Final Hydrostatic Pressure (H) 2147 P.S.I.

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

BLOW Good throughout Test Bottom Choke Size 3/4 in.
Did Well Flow ☐ Yes ☒ No ☐ Recovery Total Ft. 430 ☐ Oil 854' Gas 430' Muddy ☐ Water

Reversed Out ☐ Yes ☒ No ☐ Mud Type Starch Viscosity 43 Weight 9.7 Maximum Temp. 114 °F
EXTRA EQUIPMENT: Dual Packers ☒ Safety Joint ☒ Jars: Size 3 1/2" Make Bowen Ser. No. 129
Type Circ. Sub. Plug Did Tool Plug? ☒ No ☐ Where? Did Packer Hold? ☒ Yes ☐

Remarks 122' 2 1/4" I.D. (Drill Collars)
3932' 3 1/2" I.D. (Drill Pipe)

WESTERN TESTING CO., INC.

Pressure Data

Date 2-14-62

Test Ticket No. 1551

Recorder No. 1559 Capacity 4200 Location 4048 Ft.

Clock No. 6806 Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2174</u>	P.S.I.	<u>4:29P</u>	<u>M 4:29P.M.</u>
B First Initial Flow Pressure	<u>69</u>	P.S.I.	<u>7</u>	<u>Mins. 7 Mins.</u>
C First Final Flow Pressure	<u>120</u>	P.S.I.	<u>30</u>	<u>Mins. 30 Mins.</u>
D Initial Closed-in Pressure	<u>1393</u>	P.S.I.	<u>61</u>	<u>Mins. 61 Mins.</u>
E Second Initial Flow Pressure	<u>108</u>	P.S.I.	<u>33</u>	<u>Mins. 33 Mins.</u>
F Second Final Flow Pressure	<u>224</u>	P.S.I.		
G Final Closed-in Pressure	<u>1130</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2147</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.

Breakdown: 1 Inc.
of 5 mins. and a
final inc. of 2 Min.

Initial Shut-In

Breakdown: 15 Inc.
of 2 mins. and a
final inc. of 0 Min.

Second Flow Pressure

Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 1 Min.

Final Shut-In

Breakdown: 16 Inc.
of 2 mins. and a
final inc. of 1 Min.

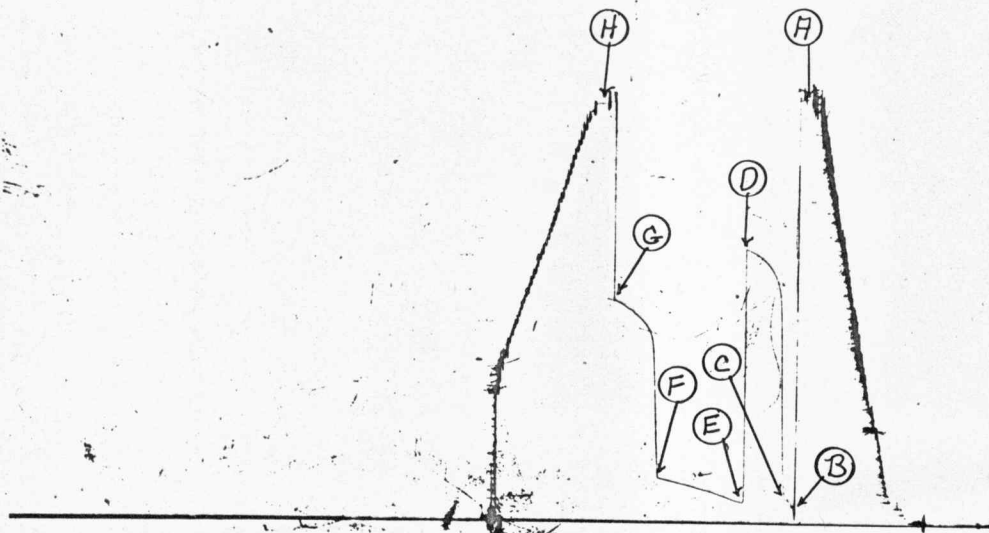
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>69</u>	<u>0</u>	<u>120</u>	<u>0</u>	<u>108</u>	<u>0</u>	<u>224</u>
P 2 <u>5</u>	<u>120</u>	<u>2</u>	<u>260</u>	<u>5</u>	<u>117</u>	<u>2</u>	<u>396</u>
P 3 <u>7</u>	<u>120</u>	<u>4</u>	<u>455</u>	<u>10</u>	<u>127</u>	<u>4</u>	<u>741</u>
P 4		<u>6</u>	<u>1076</u>	<u>15</u>	<u>141</u>	<u>6</u>	<u>937</u>
P 6		<u>8</u>	<u>1219</u>	<u>20</u>	<u>152</u>	<u>8</u>	<u>977</u>
P 7		<u>10</u>	<u>1259</u>	<u>25</u>	<u>164</u>	<u>10</u>	<u>1001</u>
P 8		<u>12</u>	<u>1285</u>	<u>30</u>	<u>172</u>	<u>12</u>	<u>1018</u>
P 9		<u>14</u>	<u>1304</u>	<u>35</u>	<u>186</u>	<u>14</u>	<u>1035</u>
P10		<u>16</u>	<u>1323</u>	<u>40</u>	<u>195</u>	<u>16</u>	<u>1050</u>
P11		<u>18</u>	<u>1341</u>	<u>45</u>	<u>202</u>	<u>18</u>	<u>1051</u>
P12		<u>20</u>	<u>1352</u>	<u>50</u>	<u>212</u>	<u>20</u>	<u>1079</u>
P13		<u>22</u>	<u>1362</u>	<u>55</u>	<u>220</u>	<u>22</u>	<u>1085</u>
P14		<u>24</u>	<u>1368</u>	<u>60</u>	<u>224</u>	<u>24</u>	<u>1093</u>
P15		<u>26</u>	<u>1381</u>	<u>61</u>	<u>224</u>	<u>26</u>	<u>1101</u>
P16		<u>28</u>	<u>1387</u>			<u>28</u>	<u>1113</u>
P17		<u>30</u>	<u>1393</u>			<u>30</u>	<u>1123</u>
P18						<u>32</u>	<u>1129</u>
P19						<u>33</u>	<u>1130</u>
P20							
P21							

Continental Oil Co.

Test #1

Brehm #4

T.K.T. #1551

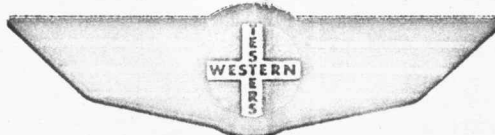


This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud.....	2263	PSI
(B) First Initial Flow Pressure	73	PSI
(C) First Final Flow Pressure	104	PSI
(D) Initial Closed-in Pressure	1388	PSI
(E) Second Initial Flow Pressure	104	PSI
(F) Second Final Flow Pressure	219	PSI
(G) Final Closed-in Pressure	1263	PSI
(H) Final Hydrostatic Mud	2263	PSI



Home Office: Great Bend, Kansas

P. O. Box 793

GLadstone 3-7903 Customer Order #14118

Company Continental Oil CompanyLease & Well No. Brehm #4

Tkt. #1552

Date 2-18-62 Sec. 26 Twp. 28 Range 13 County Pratt State KansasTest Approved by Jack J. Cowden Western Representative Guy M. Knipe

Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 4444' to 4455' Total Depth 4455'
Size Main Hole 9" Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No ☐
Packer Depth 4439 Ft. Size 8" Packer Depth 4444 Ft. Size 8"
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 11' Ft. Size 5 1/2" O.D.

RECORDERS	Depth <u>4450</u> Ft.	Clock No. <u>6859</u>	Depth <u>4452</u> Ft.	Clock No. <u> </u>
	Top Make <u>Amerada</u> Cap. <u>4200#</u> No. <u>1559</u>	Inside ☐ Outside ☒	Bottom Make <u>Western</u> Cap. <u>4000#</u> No. <u>60</u>	Inside ☐ Outside ☒
	Below Straddle: Depth <u> </u> Clock No. <u> </u>	Inside ☐ Outside ☐	Depth <u> </u> Ft. Clock No. <u> </u>	Inside ☐ Outside ☐
	Top Make <u> </u> Cap. <u> </u> No. <u> </u>	Inside ☐ Outside ☐	Bottom Make <u> </u> Cap. <u> </u> No. <u> </u>	Inside ☐ Outside ☐

Time Set Packer 6:38 A M
Tool Open I.F.P. From 6:41A M. to 6:46A M. Hr. 5 Min. From (B) 21 P.S.I. To (C) 49 P.S.I.
Tool Closed I.C.I.P. From 6:46A M. to 7:16A M. Hr. 30 Min. (D) 1466 P.S.I.
Tool Open F.F.P. From 7:16A M. to 8:16A M. 1 Hr. Min From (E) 54 P.S.I. To (F) 153 P.S.I.
Tool Closed F.C.I.P. From 8:16A M. to 8:46A M. Hr. 30 Min. (G) 1476 P.S.I.
Initial Hydrostatic Pressure (A) 2377 P.S.I. Final Hydrostatic Pressure (H) 2360 P.S.I.

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

BLOW Strong - Gas in 23 Mins. - Too small to measure Bottom Choke Size 3/4 in.
Did Well Flow ☒ Yes ☐ No. Recovery Total Ft. 360 Oil ☐ Gas ☐ Water ☐

297' Muddy gassy oil - 63' Gassy Water

Reversed Out ☐ Yes ☒ No Mud Type Starch Viscosity 47 Weight 9.9 Maximum Temp. 130 °F
EXTRA EQUIPMENT: Dual Packers ☒ Safety Joint ☒ Jars: Size 4 1/2" Make Bowen Ser. No. 129
Type Circ. Sub. Plug Did Tool Plug? ☒ No Where? Did Packer Hold? ☒ Yes

Remarks

42' Tool
174' D.C. - 2 1/4" I.D.
4239' D.P. - 3 1/2" I.D.

WESTERN TESTING CO., INC.

Pressure Data

Date 2-18-62
Recorder No. Amerada #1559
Clock No. 6859

Test Ticket No. 1552
Capacity 4200# Location 4452 Ft.
Well Temperature 130°F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2377</u>	P.S.I.	<u>6:41 A.</u>	<u>6:41 A.M.</u>
B First Initial Flow Pressure	<u>21</u>	P.S.I.	<u>5</u>	<u>6</u>
C First Final Flow Pressure	<u>49</u>	P.S.I.	<u>30</u>	<u>33</u>
D Initial Closed-in Pressure	<u>1466</u>	P.S.I.	<u>60</u>	<u>58</u>
E Second Initial Flow Pressure	<u>54</u>	P.S.I.	<u>30</u>	<u>33</u>
F Second Final Flow Pressure	<u>153</u>	P.S.I.		
G Final Closed-in Pressure	<u>1476</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2360</u>	P.S.I.		

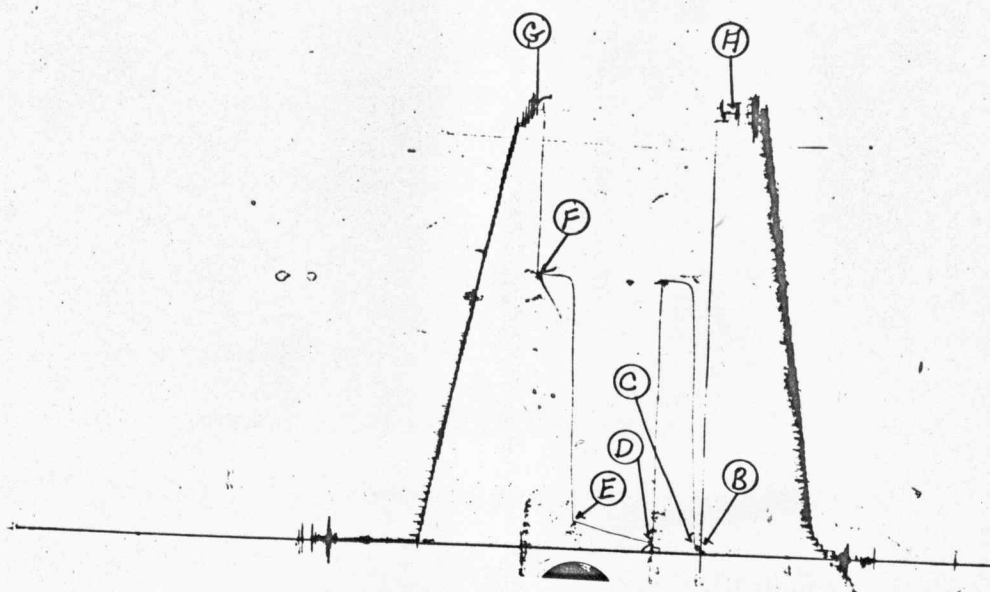
PRESSURE BREAKDOWN

First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: <u>3</u> Inc.	Breakdown: <u>16</u> Inc.	Breakdown: <u>29</u> Inc.	Breakdown: <u>16</u> Inc.
of <u>2</u> mins. and a	of <u>2</u> mins. and a	of <u>2</u> mins. and a	of <u>2</u> mins. and a
final inc. of <u>0</u> Min.	final inc. of <u>1</u> Min.	final inc. of <u>0</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>21</u>	<u>0</u>	<u>49</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>153</u>
P 2 <u>2</u>	<u>31</u>	<u>2</u>	<u>390</u>	<u>2</u>	<u>56</u>	<u>2</u>	<u>418</u>
P 3 <u>4</u>	<u>46</u>	<u>4</u>	<u>640</u>	<u>4</u>	<u>59</u>	<u>4</u>	<u>920</u>
P 4 <u>6</u>	<u>49</u>	<u>6</u>	<u>971</u>	<u>6</u>	<u>61</u>	<u>6</u>	<u>1258</u>
P 6		<u>8</u>	<u>1263</u>	<u>8</u>	<u>62</u>	<u>8</u>	<u>1409</u>
P 7		<u>10</u>	<u>1403</u>	<u>10</u>	<u>64</u>	<u>10</u>	<u>1453</u>
P 8		<u>12</u>	<u>1437</u>	<u>12</u>	<u>66</u>	<u>12</u>	<u>1467</u>
P 9		<u>14</u>	<u>1448</u>	<u>14</u>	<u>68</u>	<u>14</u>	<u>1469</u>
P 10		<u>16</u>	<u>1455</u>	<u>16</u>	<u>74</u>	<u>16</u>	<u>1471</u>
P 11		<u>18</u>	<u>1456</u>	<u>18</u>	<u>78</u>	<u>18</u>	<u>1472</u>
P 12		<u>20</u>	<u>1459</u>	<u>20</u>	<u>81</u>	<u>20</u>	<u>1473</u>
P 13		<u>22</u>	<u>1460</u>	<u>22</u>	<u>86</u>	<u>22</u>	<u>1474</u>
P 14		<u>24</u>	<u>1462</u>	<u>24</u>	<u>87</u>	<u>24</u>	<u>1475</u>
P 15		<u>26</u>	<u>1463</u>	<u>26</u>	<u>89</u>	<u>26</u>	<u>1475</u>
P 16		<u>28</u>	<u>1463</u>	<u>28</u>	<u>91</u>	<u>28</u>	<u>1475</u>
P 17		<u>30</u>	<u>1463</u>	<u>30</u>	<u>95</u>	<u>30</u>	<u>1476</u>
P 18		<u>32</u>	<u>1466</u>	<u>32</u>	<u>99</u>	<u>32</u>	<u>1476</u>
P 19		<u>33</u>	<u>1466</u>	<u>34</u>	<u>104</u>	<u>33</u>	<u>1476</u>
P 20				<u>36</u>	<u>109</u>		
P 21				<u>38</u>	<u>112</u>		
				<u>40</u>	<u>114</u>		
				<u>42</u>	<u>120</u>		
				<u>44</u>	<u>125</u>		
				<u>46</u>	<u>130</u>		
				<u>48</u>	<u>134</u>		
				<u>50</u>	<u>137</u>		
				<u>52</u>	<u>142</u>		
				<u>54</u>	<u>146</u>		
				<u>56</u>	<u>149</u>		
				<u>58</u>	<u>153</u>		

Continental Oil Co.
Brehm #4

Test #2
T.K.T. #1552



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	2379	PSI
(B) First Initial Flow Pressure	20	PSI
(C) First Final Flow Pressure	52	PSI
(D) Initial Closed-in Pressure	14.72	PSI
(E) Second Initial Flow Pressure	62	PSI
(F) Second Final Flow Pressure	156	PSI
(G) Final Closed-in Pressure	14.72	PSI
(H) Final Hydrostatic Mud	2369	PSI



Home Office: Great Bend, Kansas

P. O. Box 793

GLadstone 3-7903 Customer Order #58 A 188

Company Continental Oil Company

Lease & Well No. Brehm #4

Tkt. #1554

Date 2-20-62 Sec. 26 Twp. 28 Range 13 County Pratt State Kansas

Test Approved by D. B. Livingston

Western Representative Guy M. Knipe

Formation Test No. 3 O.K. ☒ Misrun ☐ Interval Tested From 4544' to 4551' Total Depth 4551'
Size Main Hole 9" Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No ☐
Packer Depth 4539 Ft. Size 8" Packer Depth 4544 Ft. Size 8"
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 <u>4528</u> Ft.	Clock No. <u>-</u>	Inside
	Top Make <u>Amerada</u> Cap. <u>4200#</u> No. <u>1559</u>		Outside
			Inside
Below Straddle: Depth <u>-</u>	Clock No. <u>-</u>		Outside
			Inside
Top Make <u>-</u> Cap. <u>-</u> No. <u>-</u>			Outside
			Inside
			Outside

	Depth <u>4549</u> Ft.	Clock No. <u>-</u>	Inside
	Bottom Make <u>Western</u> Cap. <u>4000#</u> No. <u>60</u>		Outside
			Inside
Depth <u>-</u> Ft.	Clock No. <u>-</u>		Outside
			Inside
Bottom Make <u>-</u> Cap. <u>-</u> No. <u>-</u>			Outside

Time Set Packer 6:26 P M
Tool Open I.F.P. From 6:31P M. to 6:41P M. - Hr. 10 Min. From (B) 87 P.S.I. To (C) 90 P.S.I.
Tool Closed I.C.I.P. From 6:41P M. to 7:12P M. - Hr. 30 Min. (D) 320 P.S.I.
Tool Open F.F.P. From 7:12P M. to 7:43P M. - Hr. 31 Min From (E) 90 P.S.I. To (F) 94 P.S.I.
Tool Closed F.C.I.P. From 7:43P M. to 8:13P M. - Hr. 30 Min. (G) 145 P.S.I.
Initial Hydrostatic Pressure (A) 2523 P.S.I. Final Hydrostatic Pressure (H) 2510 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 for 8 Min. and died. Flushed 2 Times. No help. Bottom Choke Size 3/4 in.
Did Well Flow ☐ Yes ☒ No ☐ Recovery Total Ft. - Oil - Gas - Water -
16' Drilling Mud

Reversed Out ☐ Yes ☐ No ☐ Mud Type Starch Viscosity 49 Weight 9.8 Maximum Temp. 120 °F

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint Yes Jars: Size 4 1/2" Make Bowen Ser. No. 129

Type Circ. Sub. Plug Did Tool Plug? ☐ Where? - Did Packer Hold? Yes

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 2-20-62

Test Ticket No. 1554

Recorder No. 60 Capacity 4000# Location 4549 Ft.

Clock No. 60 Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2523</u> P.S.I.	Opened Tool	<u>6:26 P</u>	<u>M 6:26 PM</u>
B First Initial Flow Pressure	<u>87</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>90</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>36</u> Mins.
D Initial Closed-in Pressure	<u>320</u> P.S.I.	Second Flow Pressure	<u>31</u> Mins.	<u>35</u> Mins.
E Second Initial Flow Pressure	<u>90</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>94</u> P.S.I.			
G Final Closed-in Pressure	<u>145</u> P.S.I.			
H Final Hydrostatic Mud	<u>2510</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: <u>2</u> Inc.	Breakdown: <u>18</u> Inc.	Breakdown: <u>7</u> Inc.	Breakdown: <u>15</u> Inc.
of <u>5</u> mins. and a	of <u>2</u> mins. and a	of <u>5</u> mins. and a	of <u>2</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.

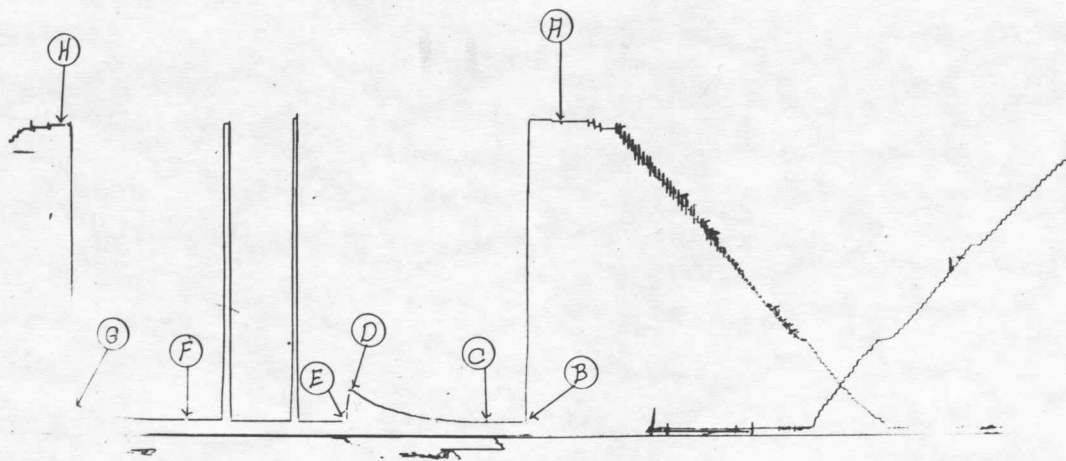
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>87</u>	<u>0</u>	<u>90</u>	<u>0</u>	<u>90</u>	<u>0</u>	<u>94</u>
P 2 <u>5</u>	<u>90</u>	<u>2</u>	<u>90</u>	<u>5</u>	<u>90</u>	<u>2</u>	<u>94</u>
P 3 <u>10</u>	<u>90</u>	<u>4</u>	<u>90</u>	<u>10</u>	<u>90</u>	<u>4</u>	<u>94</u>
P 4		<u>6</u>	<u>90</u>	<u>15</u>	<u>90</u>	<u>6</u>	<u>94</u>
P 6		<u>8</u>	<u>90</u>	<u>20</u>	<u>90</u>	<u>8</u>	<u>94</u>
P 7		<u>10</u>	<u>95</u>	<u>25</u>	<u>90</u>	<u>10</u>	<u>94</u>
P 8		<u>12</u>	<u>102</u>	<u>30</u>	<u>92</u>	<u>12</u>	<u>94</u>
P 9		<u>14</u>	<u>104</u>	<u>35</u>	<u>94</u>	<u>14</u>	<u>105</u>
P10		<u>16</u>	<u>110</u>			<u>16</u>	<u>110</u>
P11		<u>18</u>	<u>115</u>			<u>18</u>	<u>115</u>
P12		<u>20</u>	<u>120</u>			<u>20</u>	<u>120</u>
P13		<u>22</u>	<u>132</u>			<u>22</u>	<u>125</u>
P14		<u>24</u>	<u>157</u>			<u>24</u>	<u>130</u>
P15		<u>26</u>	<u>170</u>			<u>26</u>	<u>135</u>
P16		<u>28</u>	<u>188</u>			<u>28</u>	<u>140</u>
P17		<u>30</u>	<u>215</u>			<u>30</u>	<u>145</u>
P18		<u>32</u>	<u>255</u>				
P19		<u>34</u>	<u>308</u>				
P20		<u>36</u>	<u>320</u>				
P21							

Continental Oil Co.

Test # 3

Brehm #4

T.K.T. # 1554

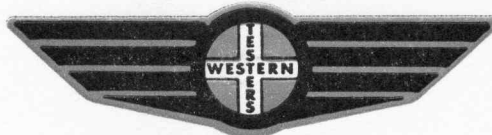


This is an actual photograph of recorder chart.

POINT

PRESSURE

(A)	Initial Hydrostatic Mud.....	2538	PSI
(B)	First Initial Flow Pressure	80	PSI
(C)	First Final Flow Pressure	90	PSI
(D)	Initial Closed-in Pressure	318	PSI
(E)	Second Initial Flow Pressure	90	PSI
(F)	Second Final Flow Pressure	92	PSI
(G)	Final Closed-in Pressure	137	PSI
(H)	Final Hydrostatic Mud	2490	PSI



Home Office: Great Bend, Kansas

P. O. Box 793

GLadstone 3-7903 Customer Order #58 A 193

Company Continental Oil Company

Lease & Well No. Brehm #4

Tkt. #1555

Date 2-22-62 Sec. 26 Twp. 28 Range 13W County Pratt State Kansas

Test Approved by D. B. Livingston Western Representative C. F. Bigheart

Formation Test No. 4 O.K. ☒ Misrun ☐ Interval Tested From 4376' to 4410' Total Depth 4551'
Size Main Hole 9" Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No
Packer Depth 4371 Ft. Size 8" Packer Depth 4376 Ft. Size 8"
Straddle ☒ Yes ☐ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Packer Depth 4410 Ft. Size 8"
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 34 Ft. Size 5 1/2" O.D.

RECORDERS	Depth <u>4395</u> Ft.	Clock No. <u>6800</u>	Depth <u>4398</u> Ft.	Clock No. <u>-</u>
Top Make <u>Amerada</u> Cap. <u>4200#</u> No. <u>1559</u>	Inside ☐ Outside ☒	Bottom Make <u>Western</u> Cap. <u>4000#</u> No. <u>19</u>	Inside ☒ Outside ☐	
Below Straddle: Depth <u>4549</u> Clock No. <u>60</u>	Inside ☒ Outside ☐	Depth <u>4547</u> Ft. Clock No. <u>59</u>	Inside ☐ Outside ☒	
Top Make <u>Western</u> Cap. <u>4000#</u> No. <u>60</u>	Inside ☒ Outside ☐	Bottom Make <u>Western</u> Cap. <u>4000#</u> No. <u>59</u>	Inside ☐ Outside ☒	

Time Set Packer 10:10 P M
Tool Open I.F.P. From 10:14P M. to 10:19P M. - Hr. 5 Min. From (B) 95 P.S.I. To (C) 95 P.S.I.
Tool Closed I.C.I.P. From 10:19P M. to 10:49P M. - Hr. 30 Min. (D) 910 P.S.I.
Tool Open F.F.P. From 10:49P M. to 11:49P M. 1 Hr. - Min From (E) 95 P.S.I. To (F) 105 P.S.I.
Tool Closed F.C.I.P. From 11:49P M. to 12:19A M. - Hr. 30 Min. (G) 460 P.S.I.
Initial Hydrostatic Pressure (A) 2374 P.S.I. Final Hydrostatic Pressure (H) 2348 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 Good throughout test Bottom Choke Size 3/4 in.
Did Well Flow ☐ Yes ☒ No. Recovery Total Ft. 140 Oil 880' Gas ☐ Water ☐
20' Gas cut watery mud, 120' gas cut muddy water Mud
Reversed Out ☐ Yes ☒ No Mud Type Starch Viscosity 43 Weight 9.8 Maximum Temp. 120 °F
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint Yes Jars: Size 4 1/2" Make Bowen Ser. No. 196
Type Circ. Sub. Plug Did Tool Plug? No Where? - Did Packer Hold? Yes

Remarks

216' Tool - 5 1/2" O.D.
143' D.C. - 2 1/4" I.D.
4192' Drill Pipe - 3 1/2" I.D.

WESTERN TESTING CO., INC.

Pressure Data

Date 2-22-62

Test Ticket No. 1555

Recorder No. 1556 Capacity 4200# Location 4395 Ft.

Clock No. 19 Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2374</u>	P.S.I.	<u>10:10 P</u>	<u>M 10:10 PM</u>
B First Initial Flow Pressure	<u>95</u>	P.S.I.	<u>5</u>	<u>5</u> Mins.
C First Final Flow Pressure	<u>95</u>	P.S.I.	<u>30</u>	<u>32</u> Mins.
D Initial Closed-in Pressure	<u>910</u>	P.S.I.	<u>60</u>	<u>59</u> Mins.
E Second Initial Flow Pressure	<u>95</u>	P.S.I.	<u>30</u>	<u>33</u> Mins.
F Second Final Flow Pressure	<u>105</u>	P.S.I.		
G Final Closed-in Pressure	<u>460</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2348</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 2 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 4 Min.

Final Shut-In
Breakdown: 16 Inc.
of 2 mins. and a
final inc. of 1 Min.

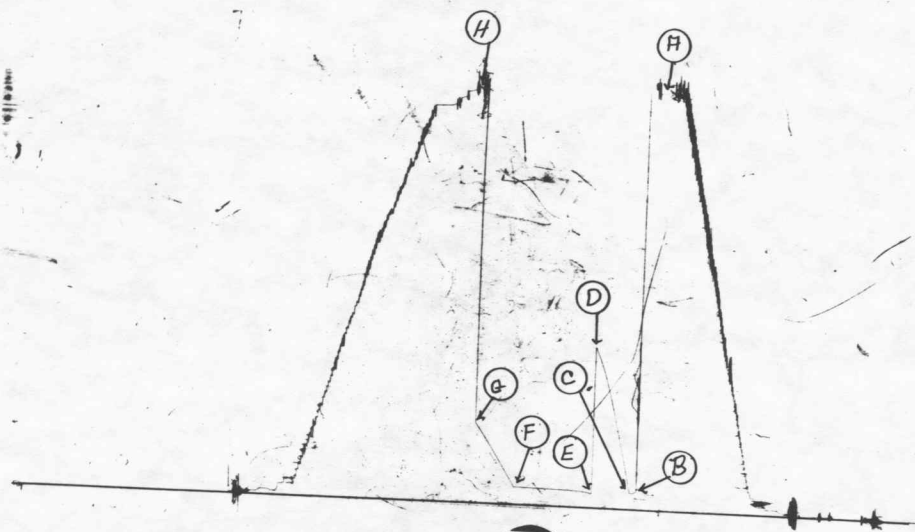
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>95</u>	<u>0</u>	<u>95</u>	<u>0</u>	<u>95</u>	<u>0</u>	<u>105</u>
P 2 <u>5</u>	<u>95</u>	<u>2</u>	<u>165</u>	<u>5</u>	<u>96</u>	<u>2</u>	<u>125</u>
P 3		<u>4</u>	<u>219</u>	<u>10</u>	<u>97</u>	<u>4</u>	<u>145</u>
P 4		<u>6</u>	<u>293</u>	<u>15</u>	<u>98</u>	<u>6</u>	<u>171</u>
P 6		<u>8</u>	<u>350</u>	<u>20</u>	<u>100</u>	<u>8</u>	<u>196</u>
P 7		<u>10</u>	<u>411</u>	<u>25</u>	<u>100</u>	<u>10</u>	<u>219</u>
P 8		<u>12</u>	<u>457</u>	<u>30</u>	<u>101</u>	<u>12</u>	<u>237</u>
P 9		<u>14</u>	<u>513</u>	<u>35</u>	<u>102</u>	<u>14</u>	<u>261</u>
P10		<u>16</u>	<u>566</u>	<u>40</u>	<u>102</u>	<u>16</u>	<u>285</u>
P11		<u>18</u>	<u>618</u>	<u>45</u>	<u>104</u>	<u>18</u>	<u>308</u>
P12		<u>20</u>	<u>668</u>	<u>50</u>	<u>104</u>	<u>20</u>	<u>333</u>
P13		<u>22</u>	<u>730</u>	<u>55</u>	<u>105</u>	<u>22</u>	<u>354</u>
P14		<u>24</u>	<u>765</u>	<u>59</u>	<u>105</u>	<u>24</u>	<u>368</u>
P15		<u>26</u>	<u>800</u>			<u>26</u>	<u>386</u>
P16		<u>28</u>	<u>835</u>			<u>28</u>	<u>406</u>
P17		<u>30</u>	<u>871</u>			<u>30</u>	<u>434</u>
P18		<u>32</u>	<u>910</u>			<u>32</u>	<u>453</u>
P19						<u>33</u>	<u>460</u>
P20							
P21							

Continental Oil Co.

Brehm #4

Straddle Test #4

T.K.T. # 1555

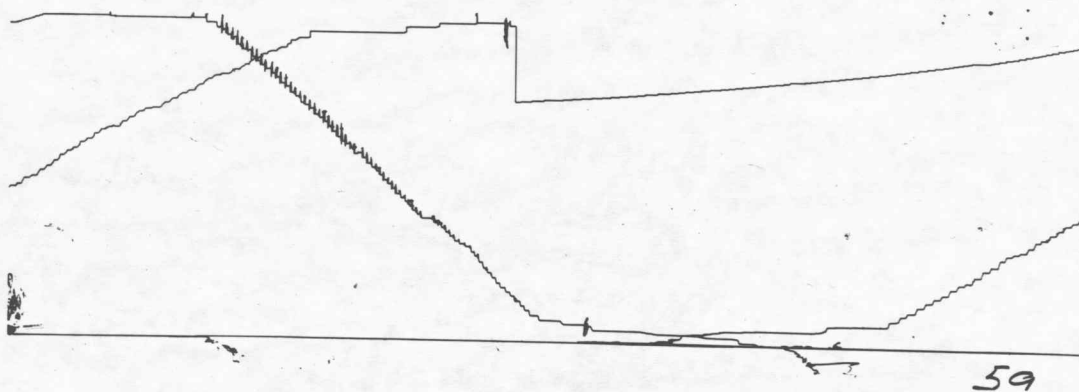


Continental Oil Co.

Brehm #4

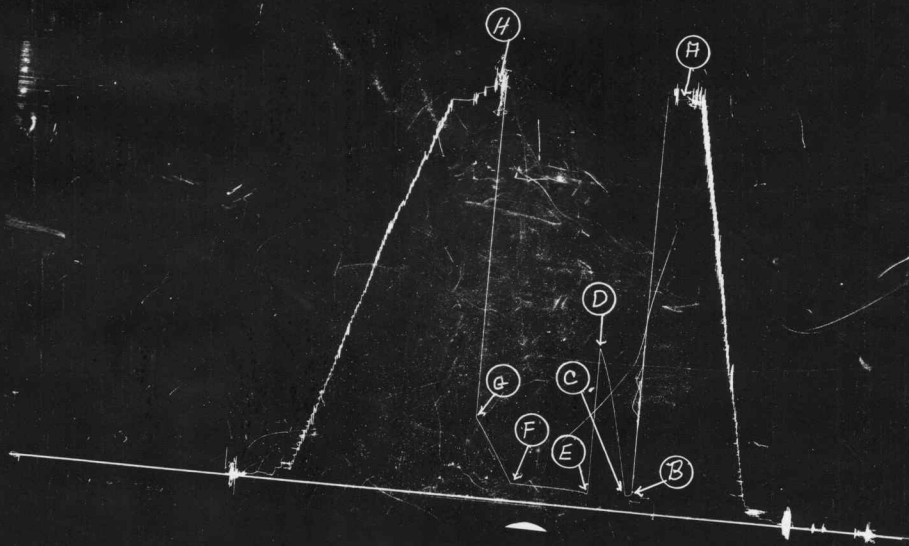
Straddle Test #4

T.K.T. # 1555



Continental Oil Co.
Brehm #4

Straddle Test #4
T.K.T. #1555



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud.....	2374	PSI
(B) First Initial Flow Pressure	95	PSI
(C) First Final Flow Pressure	95	PSI
(D) Initial Closed-in Pressure	910	PSI
(E) Second Initial Flow Pressure	95	PSI
(F) Second Final Flow Pressure	105	PSI
(G) Final Closed-in Pressure	460	PSI
(H) Final Hydrostatic Mud	2348	PSI