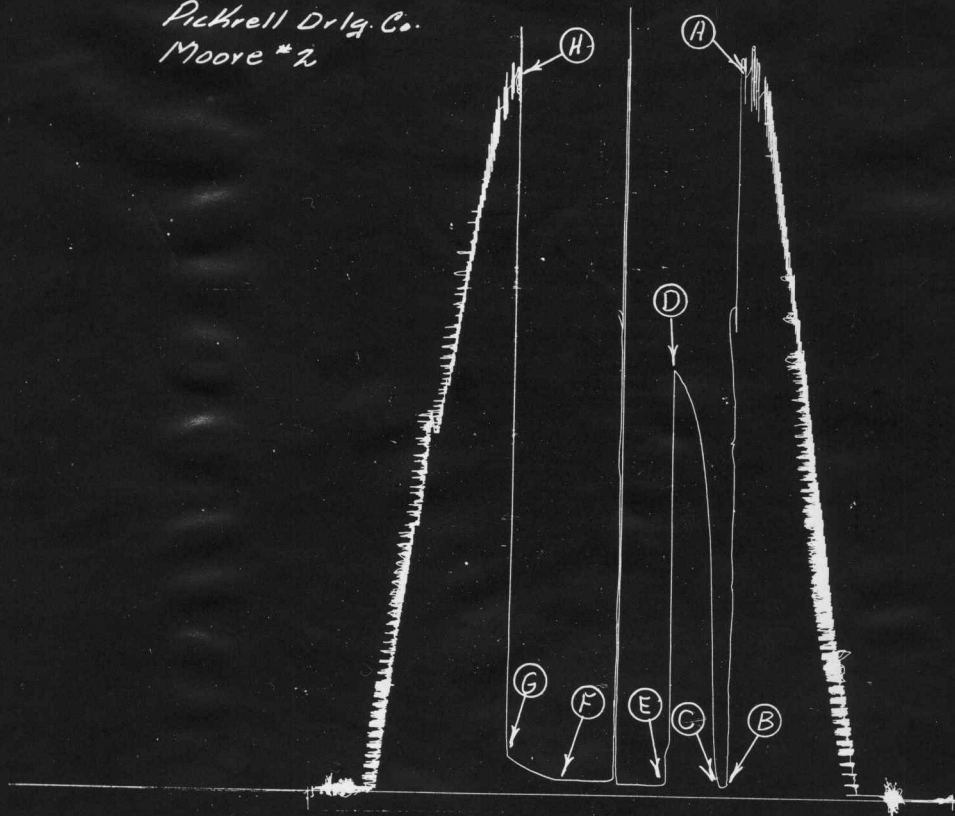
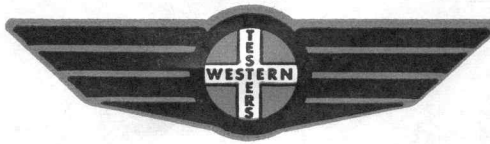


Pickrell Drilling Co.
Moore #2

Test #1
TKT#3920





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

Company Pickrell Drlg. Co. Lease & Well No. Moore #2
Elevation 2231' K.B. Ticket Number 3920
Date 3-28-64 Sec. 7 Twp. 20S Range 21W County Ness State Kansas
Test Approved by George E. Link Western Representative W. M. Nething

Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 4264' to 4303' Total Depth 4303'
Size Main Hole 7 7/8" Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged Yes ☐ No ☐ Conv. ☐ B.T. ☐ Damaged Yes ☐ No
Packer Depth ☐ Ft. Size ☐ Packer Depth ☐ Ft. Size ☐
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 39 Ft. Size 5 1/2" OD

RECORDERS Depth 4272 Ft. Clock No. 6859 Depth 4274 Ft. Clock No. 143
Top Make Amerada Cap. 3150# No. 1564 Inside ☐ Outside ☐ Bottom Make Western Cap. 4000# No. 17 Inside ☐ Outside ☐
Below Straddle: Depth ☐ Clock No. ☐ Inside ☐ Outside ☐ Depth ☐ Ft. Clock No. ☐ Inside ☐ Outside ☐
Top Make ☐ Cap. ☐ No. ☐ Outside ☐ Bottom Make ☐ Cap. ☐ No. ☐ Outside ☐

Time Set Packer 2:30A M 2:33A M 2:38A M 5 Min. From (B) 31 P.S.I. To (C) 31 P.S.I.
Tool Open I.F.P. From 2:33A M to 2:38A M - Hr. 30 Min. (D) 1322 P.S.I.
Tool Closed I.C.I.P. From 2:38A M. to 3:08A M. - Hr. 60 Min. From (E) 34 P.S.I. To (F) 41 P.S.I.
Tool Open F.F.P. From 3:08A M. to 4:08A M. - Hr. 30 Min. (G) 116 P.S.I.
Tool Closed F.C.I.P. From 4:08A M. to 4:38A M. - Hr. 2270 Min. (H) 2255 P.S.I.
Initial Hydrostatic Pressure (A) 2270 P.S.I. Final Hydrostatic Pressure (H) 2255 P.S.I.

SURFACE Size Choke 1/2 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION ☐ M. ☐ M. ☐ M.

BLOW Weak blow 7 mins. - Flushed tool at 30 mins. Bottom Choke Size 3/4 in.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 20' Mud with few specks oil

Reversed Out ☒ Yes ☐ No Mud Type Starch Viscosity 43 Weight 9.7 Maximum Temp. 110 °F
EXTRA EQUIPMENT: Dual Packers ☐ Safety Joint ☐ Jars: Size ☐ Make ☐ Ser. No. ☐
Type Circ. Sub. Plug Did Tool Plug? ☐ Where? ☐ Did Packer Hold? ☒
Length Drill Pipe 3379 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 54 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 3-28-64 Test Ticket No. 3920
 Recorder No. 1564 Capacity 3150# Location 4272 Ft.
 Clock No. 6859 Elevation 2231' K.B. Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2270</u> P.S.I.	Opened Tool	<u>2:30A</u>	<u>2:30 AM</u>
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>31</u> Mins.
D Initial Closed-in Pressure	<u>1322</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>34</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>41</u> P.S.I.			
G Final Closed-in Pressure	<u>116</u> P.S.I.			
H Final Hydrostatic Mud	<u>2255</u> P.S.I.			

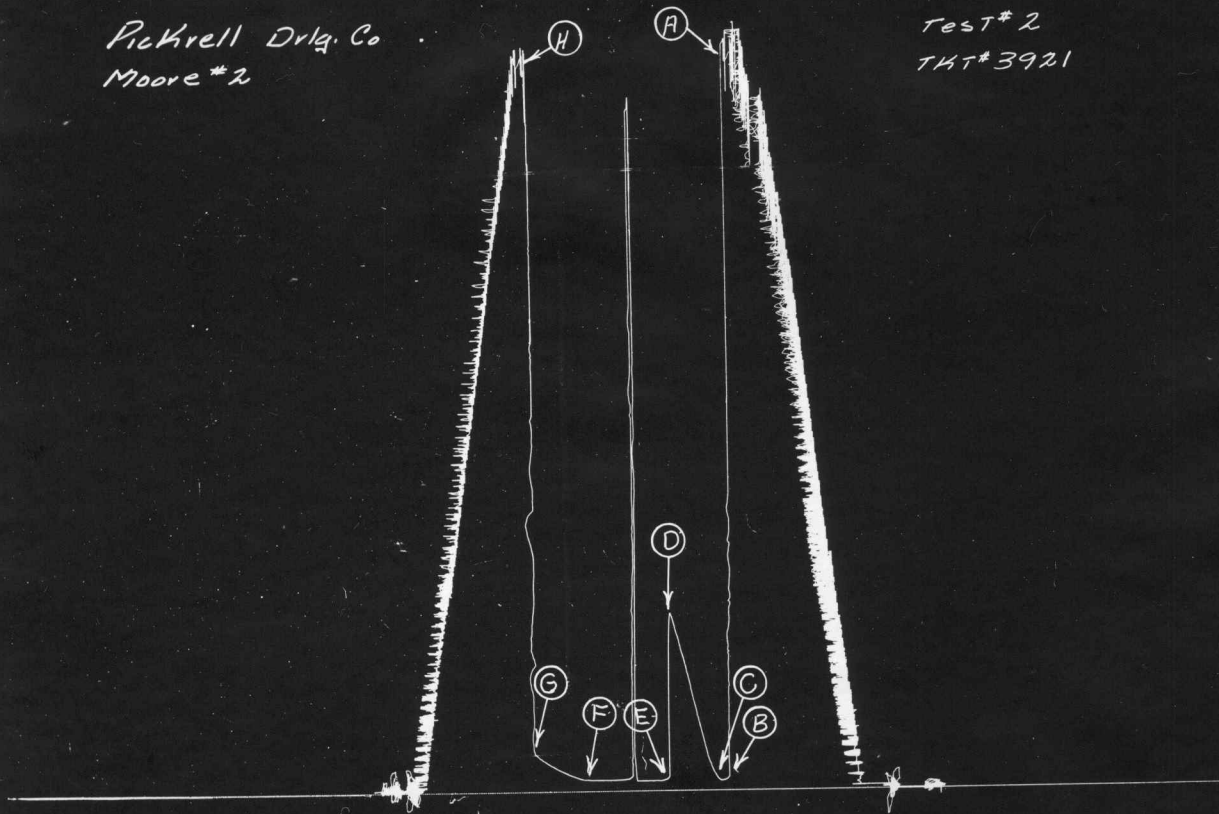
PRESSURE BREAKDOWN

First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: <u>1</u> Inc.	Breakdown: <u>10</u> Inc.	Breakdown: <u>12</u> Inc.	Breakdown: <u>10</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>-</u> Min.

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>34</u>	<u>0</u>	<u>41</u>
P 2 <u>5</u>	<u>31</u>	<u>3</u>	<u>141</u>	<u>5</u>	<u>34</u>	<u>3</u>	<u>44</u>
P 3		<u>6</u>	<u>440</u>	<u>10</u>	<u>34</u>	<u>6</u>	<u>49</u>
P 4		<u>9</u>	<u>727</u>	<u>15</u>	<u>34</u>	<u>9</u>	<u>55</u>
P 5		<u>12</u>	<u>943</u>	<u>20</u>	<u>34</u>	<u>12</u>	<u>62</u>
P 6		<u>15</u>	<u>1069</u>	<u>25</u>	<u>34</u>	<u>15</u>	<u>68</u>
P 7		<u>18</u>	<u>1156</u>	<u>30</u>	<u>34</u>	<u>18</u>	<u>75</u>
P 8		<u>21</u>	<u>1218</u>	<u>35</u>	<u>41</u>	<u>21</u>	<u>85</u>
P 9		<u>24</u>	<u>1254</u>	<u>40</u>	<u>41</u>	<u>24</u>	<u>93</u>
P10		<u>27</u>	<u>1284</u>	<u>45</u>	<u>41</u>	<u>27</u>	<u>103</u>
P11		<u>30</u>	<u>1312</u>	<u>50</u>	<u>41</u>	<u>30</u>	<u>116</u>
P12		<u>31</u>	<u>1322</u>	<u>55</u>	<u>41</u>		
P13				<u>60</u>	<u>41</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Drilling Co
Moore #2

TEST # 2
THT # 3921





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

Company Pickrell Drlg. Co. Lease & Well No. Moore #2
Elevation 2231' K.B. Ticket Number 3921
Date 3-28-64 Sec. 7 Twp. 20S Range 21W County Ness State Kansas
Test Approved by George E. Link Western Representative W. M. Nething

Formation Test No. 2 O.K. ☒ Misrun _____ Interval Tested From 4328' to 4360' Total Depth 4360'
Size Main Hole 7 7/8" Rat Hole _____ Conv. ☒ B.T. ☒ Damaged Yes ☒ No ☒ Conv. B.T. Damaged Yes No
Packer Depth 4328 Ft. Size 6 3/4" Packer Depth _____ Ft. Size _____
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 32 Ft. Size 5 1/2" OD

RECORDERS Depth 4336 Ft. Clock No. 6859 Depth 4338 Ft. Clock No. 143
Top Make Amerada Cap. 3150# No. 1564 Inside _____ Outside _____ Bottom Make Western Cap. 4000# No. 17 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 9:39P
Tool Open I.F.P. From 9:42P M. to 9:47P M. - Hr. 5 Min. From (B) 29 P.S.I. To (C) 29 P.S.I.
Tool Closed I.C.I.P. From 9:47P M. to 10:17P M. - Hr. 30 Min. (D) 551 P.S.I.
Tool Open F.F.P. From 10:17P M. to 11:02P M. - Hr. 45 Min. From (E) 31 P.S.I. To (F) 34 P.S.I.
Tool Closed F.C.I.P. From 11:02P M. to 11:32P M. - Hr. 30 Min. (G) 114 P.S.I.
Initial Hydrostatic Pressure (A) 232 2294 P.S.I. Final Hydrostatic Pressure (H) 2278 P.S.I.

SURFACE Size Choke 1/2 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Weak blow 5 mins. - Flushed tool at 20 mins. Bottom Choke Size 3/4 in.
Did Well Flow Yes ☒ No _____ Recovery Total Ft. 10' Mud with specks oil

Reversed Out Yes ☒ No _____ Mud Type Starch Viscosity 42 Weight 96 Maximum Temp. 112 °F
EXTRA EQUIPMENT: Dual Packers ☒ Safety Joint ☒ Jars: Size ☒ Make _____ Ser. No. _____
Type Circ. Sub. Plug Did Tool Plug? ☒ Where? _____ Did Packer Hold? ☒
Length Drill Pipe 3448 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 47 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 2-28-64 Test Ticket No. 3921
 Recorder No. 1564 Capacity 3150# Location 4336 Ft.
 Clock No. 6859 Elevation 2231' K.B. Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2294</u> P.S.I.	Opened Tool	<u>9:39 P</u>	<u>9:39 PM</u>
B First Initial Flow Pressure	<u>29</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>29</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>29</u> Mins.
D Initial Closed-in Pressure	<u>551</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>31</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>34</u> P.S.I.			
G Final Closed-in Pressure	<u>114</u> P.S.I.			
H Final Hydrostatic Mud	<u>2278</u> P.S.I.			

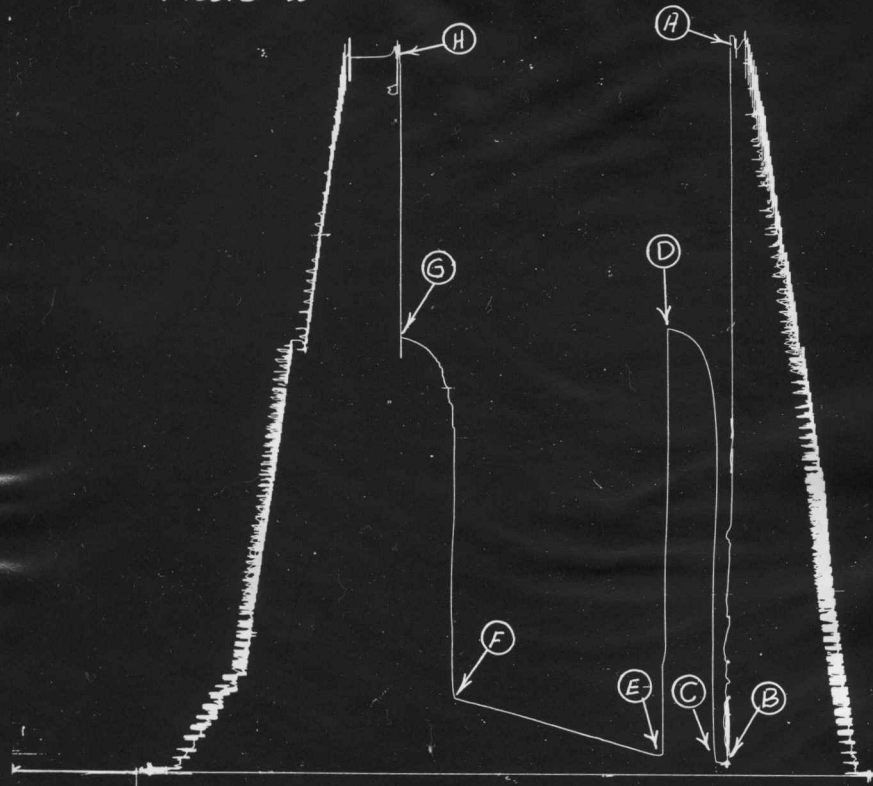
PRESSURE BREAKDOWN

First Flow Press. Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.	Initial Shut-In Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>2</u> Min.	Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.	Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.
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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>31</u>	<u>0</u>	<u>34</u>
P 2 <u>5</u>	<u>29</u>	<u>3</u>	<u>49</u>	<u>5</u>	<u>31</u>	<u>3</u>	<u>37</u>
P 3		<u>6</u>	<u>85</u>	<u>10</u>	<u>31</u>	<u>6</u>	<u>41</u>
P 4		<u>9</u>	<u>145</u>	<u>15</u>	<u>31</u>	<u>9</u>	<u>48</u>
P 5		<u>12</u>	<u>219</u>	<u>20</u>	<u>31</u>	<u>12</u>	<u>54</u>
P 6		<u>15</u>	<u>290</u>	<u>25</u>	<u>34</u>	<u>15</u>	<u>62</u>
P 7		<u>18</u>	<u>359</u>	<u>30</u>	<u>34</u>	<u>18</u>	<u>69</u>
P 8		<u>21</u>	<u>420</u>	<u>35</u>	<u>34</u>	<u>21</u>	<u>79</u>
P 9		<u>24</u>	<u>475</u>	<u>40</u>	<u>34</u>	<u>24</u>	<u>91</u>
P10		<u>27</u>	<u>526</u>	<u>45</u>	<u>34</u>	<u>27</u>	<u>102</u>
P11		<u>29</u>	<u>551</u>	<u>50</u>		<u>30</u>	<u>114</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Drlg. Co.
Moore # 2

Test #3
TKT#3922





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

Company Pickrell Drilling Company Lease & Well No. Moore #2
Elevation 2231' K.B. Ticket Number 3922
Date 3-29-64 Sec. 7 Twp. 20S Range 21W County Ness State Kansas
Test Approved by George E. Link Western Representative W. M. Nething

Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 4360' to 4370' Total Depth 4370'
Size Main Hole 7 7/8" Rat Hole _____ Conv. _____ B.T. ☒ Damaged ☒ Yes _____ No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____
Packer Depth 4360 Ft. Size 6 3/4" Packer Depth _____ Ft. Size _____
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 10 Ft. Size 5 1/2" OD

RECORDERS	Depth <u>4363</u> Ft.	Clock No. <u>6859</u>	Depth <u>4365</u> Ft.	Clock No. <u>143</u>
	Top Make <u>Amerada</u> Cap. <u>3150#</u> No. <u>1564</u>	Inside <u>Outside</u>	Bottom Make <u>Western</u> Cap. <u>4000#</u> No. <u>17</u>	Inside <u>Outside</u>
Below Straddle:	Depth _____ Clock No. _____	Inside <u>Outside</u>	Depth _____ Ft. Clock No. _____	Inside <u>Outside</u>
	Top Make _____ Cap. _____ No. _____	Inside <u>Outside</u>	Bottom Make _____ Cap. _____ No. _____	Inside <u>Outside</u>

Time Set Packer 11:07A M
Tool Open I.F.P. From 11:10A M to 11:15A M - Hr. 5 Min. From (B) 35 P.S.I. To (C) 41 P.S.I.
Tool Closed I.C.I.P. From 11:15A M. to 11:45A M. - Hr. 30 Min. (D) 1385 P.S.I.
Tool Open F.F.P. From 11:45A M. to 1:45P M. - Hr. 120 Min. From (E) 63 P.S.I. To (F) 234 P.S.I.
Tool Closed F.C.I.P. From 1:45P M. to 2:15P M. - Hr. 30 Min. (G) 1361 P.S.I.
Initial Hydrostatic Pressure (A) 2284 P.S.I. Final Hydrostatic Pressure (H) 2267 P.S.I.

SURFACE	Size Choke <u>1/2</u> In.	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION	_____	_____	_____ M.	_____
	_____	_____	_____ M.	_____
	_____	_____	_____ M.	_____

BLOW Fair blow throughout test Bottom Choke Size 3/4 in.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 372' Clean Gassy Oil-248' Muddy Oil-310' Gas in pipe
(Gravity 40.5 @ 72°)

Reversed Out _____ Yes ☒ No _____ Mud Type Starch Viscosity 43 Weight 9.6 Maximum Temp. 117 °F
EXTRA EQUIPMENT: Dual Packers No 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 3475 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 25 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 3-29-64 Test Ticket No. 3922
 Recorder No. 1564 Capacity 3150# Location 4363 Ft.
 Clock No. 6859 Elevation 2231' K.B. Well Temperature 117 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2284</u> P.S.I.	<u>11:07A</u>	<u>11:07AM</u>
B First Initial Flow Pressure	<u>35</u> P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>41</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1385</u> P.S.I.	<u>120</u> Mins.	<u>118</u> Mins.
E Second Initial Flow Pressure	<u>65</u> P.S.I.	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>234</u> P.S.I.		
G Final Closed-in Pressure	<u>1361</u> P.S.I.		
H Final Hydrostatic Mud	<u>2267</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>23</u> Inc.	Breakdown: <u>11</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>-</u> Min.	final inc. of <u>3</u> Min.	final inc. of <u>-</u> 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>41</u>	<u>0</u>	<u>63</u>	<u>0</u>	<u>234</u>
P 2 <u>5</u>	<u>41</u>	<u>3</u>	<u>1069</u>	<u>5</u>	<u>64</u>	<u>3</u>	<u>846</u>
P 3		<u>6</u>	<u>1219</u>	<u>10</u>	<u>69</u>	<u>6</u>	<u>1158</u>
P 4		<u>9</u>	<u>1287</u>	<u>15</u>	<u>79</u>	<u>9</u>	<u>1219</u>
P 5		<u>12</u>	<u>1323</u>	<u>20</u>	<u>85</u>	<u>12</u>	<u>1271</u>
P 6		<u>15</u>	<u>1346</u>	<u>25</u>	<u>93</u>	<u>15</u>	<u>1300</u>
P 7		<u>18</u>	<u>1360</u>	<u>30</u>	<u>102</u>	<u>18</u>	<u>1320</u>
P 8		<u>21</u>	<u>1369</u>	<u>35</u>	<u>110</u>	<u>21</u>	<u>1333</u>
P 9		<u>24</u>	<u>1377</u>	<u>40</u>	<u>116</u>	<u>24</u>	<u>1342</u>
P10		<u>27</u>	<u>1382</u>	<u>45</u>	<u>124</u>	<u>27</u>	<u>1350</u>
P11		<u>30</u>	<u>1385</u>	<u>50</u>	<u>131</u>	<u>30</u>	<u>1357</u>
P12				<u>55</u>	<u>141</u>	<u>33</u>	<u>1361</u>
P13				<u>60</u>	<u>150</u>		
P14				<u>65</u>	<u>157</u>		
P15				<u>70</u>	<u>164</u>		
P16				<u>75</u>	<u>172</u>		
P17				<u>80</u>	<u>180</u>		
P18				<u>85</u>	<u>188</u>		
P19				<u>90</u>	<u>195</u>		
P20				<u>95</u>	<u>202</u>		
				<u>100</u>	<u>209</u>		
				<u>105</u>	<u>217</u>		
				<u>110</u>	<u>223</u>		
				<u>115</u>	<u>230</u>		
				<u>118</u>	<u>234</u>		