



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Pickrell Drilling Co. Lease & Well No. Chapman B-1
Elevation 2494 Derrick Floor Formation Mississippian Effective Pay 9 Ft. Ticket No. 15405
Date 2-24-71 Sec. 35 Twp. 15S Range 26W County Gove State Kansas
Test Approved by Ralph W. Ruwe Western Representative Kenneth Cheney

Formation Test No. 7 O.K. Misrun _____ Interval Tested From 4419' to 4428' Total Depth 4428'
Size Main Hole 7 7/8" Rat Hole _____ Conv. _____ B.T. Damaged Yes No Conv. B.T. Damaged Yes _____ No
Top Packer Depth 4414 Ft. Size 6 3/4" Packer Depth 4419 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 9 Ft. Size 5 1/2" O.D.

RECORDERS Depth 4422 Ft. Clock No. 9725 Depth 4424 Ft. Clock No. 6859
Top Make Kuster Cap. 4150 No. 2607 Inside Outside Bottom Make Kuster Cap. 4150 No. 969 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside _____ Depth _____ Ft. Clock No. _____ Inside _____
Top Make _____ Cap. _____ No. _____ Outside _____ Bottom Make _____ Cap. _____ No. _____ Outside _____

Time Set Packer 1:08 P. M
Tool Open I.F.P. From 1:10 M. to 1:20P. M. Hr. 10 Min. From (B) 18 P.S.I. To (C) 20 P.S.I.
Tool Closed I.C.I.P. From 1:20 M. to 1:50P. M. Hr. 30 Min. (D) 1214 P.S.I.
Tool Open F.F.P. From 1:50 M. to 3:50P. M. 2 Hr. Min. From (E) 33 P.S.I. To (F) 52 P.S.I.
Tool Closed F.C.I.P. From 3:50 M. to 4:50P. M. 1 Hr. Min. (G) 720 P.S.I.
Initial Hydrostatic Pressure (A) 2375 P.S.I. Final Hydrostatic Pressure (H) 2359 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Fair to weak Bottom Choke Size 3/4 In.
Did Well Flow Yes No _____ Recovery Total Ft. 40 feet clean oil
30 feet heavy oil cut mud

Reversed Out Yes No Mud Type Starch Viscosity 50 Weight 10.1 Water Loss 11.0 cc. Maximum Temp. 132 °F
Type Circ. Sub. Plug Did Tool Plug? No Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where? _____
Length Drill Pipe 3484 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 915 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 29 ft.

Remarks _____

WESTERN TESTING CO., INC.
Pressure Data

Date 2-24-71 Test Ticket No. 15405
 Recorder No. 2607 Capacity 4150 Location 4422 Ft.
 Clock No. 9725 Elevation 2494 Derrick Floor Well Temperature 132 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2375</u> P.S.I.	Open Tool	<u>1:08</u> P. M.	
B First Initial Flow Pressure	<u>18</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>20</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1214</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>33</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>52</u> P.S.I.			
G Final Closed-in Pressure	<u>720</u> P.S.I.			
H Final Hydrostatic Mud	<u>2359</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>	<u>0</u>	<u>20</u>	<u>0</u>	<u>33</u>	<u>0</u>	<u>52</u>
P 2	<u>5</u>	<u>3</u>	<u>196</u>	<u>5</u>	<u>33</u>	<u>3</u>	<u>54</u>
P 3	<u>10</u>	<u>6</u>	<u>774</u>	<u>10</u>	<u>33</u>	<u>6</u>	<u>56</u>
P 4		<u>9</u>	<u>939</u>	<u>15</u>	<u>34</u>	<u>9</u>	<u>63</u>
P 5		<u>12</u>	<u>1022</u>	<u>20</u>	<u>35</u>	<u>12</u>	<u>73</u>
P 6		<u>15</u>	<u>1081</u>	<u>25</u>	<u>35</u>	<u>15</u>	<u>88</u>
P 7		<u>18</u>	<u>1127</u>	<u>30</u>	<u>36</u>	<u>18</u>	<u>105</u>
P 8		<u>21</u>	<u>1156</u>	<u>35</u>	<u>37</u>	<u>21</u>	<u>131</u>
P 9		<u>24</u>	<u>1179</u>	<u>40</u>	<u>39</u>	<u>24</u>	<u>162</u>
P10		<u>27</u>	<u>1204</u>	<u>45</u>	<u>40</u>	<u>27</u>	<u>215</u>
P11		<u>30</u>	<u>1214</u>	<u>50</u>	<u>40</u>	<u>30</u>	<u>281</u>
				<u>55</u>	<u>41</u>	<u>33</u>	<u>349</u>
P12				<u>60</u>	<u>42</u>	<u>36</u>	<u>427</u>
				<u>65</u>	<u>44</u>	<u>39</u>	<u>504</u>
P13				<u>70</u>	<u>46</u>	<u>42</u>	<u>554</u>
P14				<u>75</u>	<u>48</u>	<u>45</u>	<u>597</u>
				<u>80</u>	<u>49</u>	<u>48</u>	<u>635</u>
P15				<u>85</u>	<u>50</u>	<u>51</u>	<u>666</u>
P16				<u>90</u>	<u>50</u>	<u>54</u>	<u>689</u>
				<u>95</u>	<u>51</u>	<u>57</u>	<u>708</u>
P17				<u>100</u>	<u>51</u>	<u>60</u>	<u>720</u>
P18				<u>105</u>	<u>51</u>		
P19				<u>110</u>	<u>52</u>		
				<u>115</u>	<u>52</u>		
P20				<u>120</u>	<u>52</u>		

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(A)

(L)

(G)

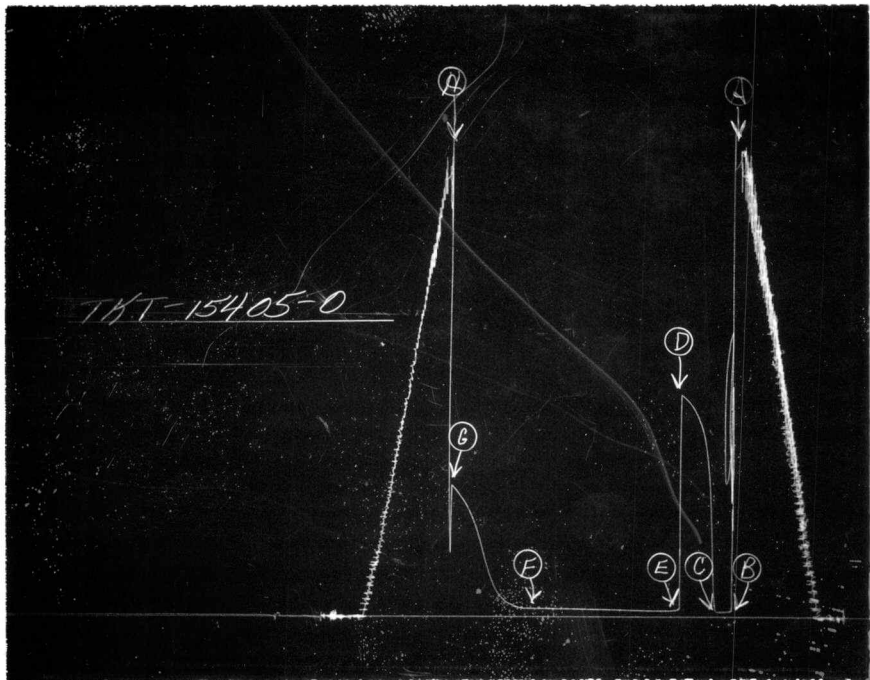
(D)

(F)

(E)

(C)

(B)





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Company Pickrell Drilling Co. Lease & Well No. Chapman B-1
Elevation 2494 Derrick Floor Formation Mississippian Effective Pay 15 Ft. Ticket No. 15406
Date 2-25-71 Sec. 35 Twp. 15S Range 26W County Gove State Kansas
Test Approved by Ralph W. Ruwwe Western Representative Kenneth Cheney

Formation Test No. 8 O.K. Misrun Interval Tested From 4429' to 4444' Total Depth 4444'
Size Main Hole 7 7/8" Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 4424 Ft. Size 6 3/4" Packer Depth 4429 Ft. Size 6 3/4"
Straddle Yes No Conv. B.T. Damaged Yes No

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.
Packer Depth _____ Ft. Size _____

RECORDERS Depth 4436 Ft. Clock No. 9725 Depth 4438 Ft. Clock No. 6859
Top Make Kuster Cap. 4150 No. 2607 Inside Outside Bottom Make Kuster Cap. 4150 No. 969 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Depth _____ Ft. Clock No. _____
Top Make _____ Cap. _____ No. _____ Inside Outside Bottom Make _____ Cap. _____ No. _____ Inside Outside

Time Set Packer 5:53 A. M
Tool Open I.F.P. From 5:55 M. to 6:05A. M. Hr. 10 Min. From (B) 7 P.S.I. To (C) 7 P.S.I.
Tool Closed I.C.I.P. From 6:05 M. to 6:35A. M. Hr. 30 Min. (D) 1300 P.S.I.
Tool Open F.F.P. From 6:35 M. to 8:05A. M. 1 Hr. 30 Min. From (E) 14 P.S.I. To (F) 21 P.S.I.
Tool Closed F.C.I.P. From 8:05 M. to 9:05A. M. 1 Hr. Min. (G) 1053 P.S.I.
Initial Hydrostatic Pressure (A) 2491 P.S.I. Final Hydrostatic Pressure (H) 2476 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Fair to weak then died after 1 hour & 15 min. Bottom Choke Size 3/4 In.
Did Well Flow Yes No Recovery Total Ft. 30 feet mud

Reversed Out Yes No Mud Type Starch Viscosity 50 Weight 10.0 Water Loss 15 cc. Maximum Temp. 132 °F
Type Circ. Sub. Plug Did Tool Plug? No Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where? _____
Length Drill Pipe 3494 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 915 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 35 ft.

Remarks _____

WESTERN TESTING CO., INC.
Pressure Data

Date 2-25-71 Test Ticket No. 15406
 Recorder No. 2607 Capacity 4150 Location 4436 Ft.
 Clock No. 9725 Elevation 2494 Derrick Floor Well Temperature 132 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2491</u> P.S.I.	Open Tool	<u>5:53</u> A.M.	
B First Initial Flow Pressure	<u>7</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>7</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1300</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>14</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>57</u> Mins.
F Second Final Flow Pressure	<u>21</u> P.S.I.			
G Final Closed-in Pressure	<u>1053</u> P.S.I.			
H Final Hydrostatic Mud	<u>2476</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In			
	Breakdown: <u>2</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.	Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.	Breakdown: <u>18</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.	Breakdown: <u>19</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.			
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>7</u>	<u>0</u>	<u>7</u>	<u>0</u>	<u>14</u>	<u>0</u>	<u>21</u>
P 2	<u>7</u>	<u>3</u>	<u>103</u>	<u>5</u>	<u>14</u>	<u>3</u>	<u>40</u>
P 3	<u>7</u>	<u>6</u>	<u>506</u>	<u>10</u>	<u>14</u>	<u>6</u>	<u>92</u>
P 4		<u>9</u>	<u>809</u>	<u>15</u>	<u>14</u>	<u>9</u>	<u>203</u>
P 5		<u>12</u>	<u>989</u>	<u>20</u>	<u>14</u>	<u>12</u>	<u>402</u>
P 6		<u>15</u>	<u>1102</u>	<u>25</u>	<u>14</u>	<u>15</u>	<u>570</u>
P 7		<u>18</u>	<u>1179</u>	<u>30</u>	<u>14</u>	<u>18</u>	<u>660</u>
P 8		<u>21</u>	<u>1231</u>	<u>35</u>	<u>14</u>	<u>21</u>	<u>735</u>
P 9		<u>24</u>	<u>1269</u>	<u>40</u>	<u>14</u>	<u>24</u>	<u>793</u>
P10		<u>27</u>	<u>1300</u>	<u>45</u>	<u>14</u>	<u>27</u>	<u>834</u>
P11				<u>50</u>	<u>15</u>	<u>30</u>	<u>870</u>
P12				<u>55</u>	<u>15</u>	<u>33</u>	<u>905</u>
P13				<u>60</u>	<u>15</u>	<u>36</u>	<u>933</u>
P14				<u>65</u>	<u>16</u>	<u>39</u>	<u>956</u>
P15				<u>70</u>	<u>16</u>	<u>42</u>	<u>977</u>
P16				<u>75</u>	<u>16</u>	<u>45</u>	<u>993</u>
P17				<u>80</u>	<u>18</u>	<u>48</u>	<u>1010</u>
P18				<u>85</u>	<u>19</u>	<u>51</u>	<u>1025</u>
P19				<u>90</u>	<u>21</u>	<u>54</u>	<u>1037</u>
P20						<u>57</u>	<u>1053</u>

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