



P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 25286

Formation Morm. Elevation 2528 Ft. Eff. Pay _____ Ft.

District Pratt Date Oct 22-76 Customer Order No. _____
COMPANY NAME Pickrell Drilling Company
ADDRESS Litwin Bldg - Suite 205 - 110 N. Market Wichita Ks 67302
LEASE AND WELL NO. #1 - McFadden "C" COUNTY Clark STATE Ks Sec. 35 Twp. 30³ Rge. 34^W
Mail Inv. To Same As Above No. Copies Requested Usual
Co. Name _____ Address _____
Mail Charts To _____ No. Copies Requested Usual
Address _____

Formation Test No. 1 O.K. Misrun Interval Tested From 5190 to 5220 Total Depth 5220
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 5185 Ft. Size 6 3/4 Bottom Packer Depth 5190 Ft. Size 6 3/4
Straddle Conv. B.T. Damaged Yes No Packer Depth _____ Ft. Size _____
Tool Size 5 1/2 Tool Joint Size 4 1/2 FT Anchor Length 30' Ft. Size 5 1/2 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 5112 Ft. Clock No. 4964 Depth 5115 Ft. Clock No. 9103
Top Make Kuster Cap. 6200 No. 1563 Inside Bottom Make Kuster Cap. 4300 No. 1567 Outside
Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Depth _____ Ft. Rec. No. _____ Clock No. _____
Inside Inside Outside Inside Outside

Time Set Packer 7:23 AM
Tool Open I.F.P. From 7:25 M. to 7:55 M. - Hr. 30 Min. From (B) 75 97 P.S.I. To (C) 86 102 P.S.I.
Tool Closed I.C.I.P. From 7:55 M. to 9:00 M. 1 Hr. 05 Min. (D) 1554 1565 P.S.I.
Tool Open F.F.P. From 9:00 M. to 10:30 M. 1 Hr. 30 Min. From (E) 97 112 P.S.I. To (F) 146 162 P.S.I.
Tool Closed F.C.I.P. From 10:30 M. to 11:30 M. 1 Hr. _____ Min. (G) 1392 1392 P.S.I.
Initial Hydrostatic Pressure (A) 2797 P.S.I. Final Hydrostatic Pressure (H) 2784 2811 Maximum Temp. 120°

BLOW Weak 1/2" Blow Through Out Flow Period
INFORMATION
Did Well Flow Yes No Recovery Total Ft. 150' Thin Mud w/ Sl; show of Oil
120' Very Thin w/ try Mud

Reversed Out Yes No Mud Type Starch Viscosity 56 Weight 9.9 Water Loss 10. cc. Chlorides 68,000 ppm
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint _____ Jars: Size 4 3/4 In. Make W.T.S. Ser. No. 408
Dual Packers Yes Did Packers Hold? Yes Did Tool Plug? NO Where? _____
DRILLING CONTRACTOR Pickrell Drle #1 Length Drill Pipe 4915 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size _____ In.
Length Weight Pipe _____ ft. I.D. Weight Pipe _____ In. Tool Joint Size _____ In. Length Drill Collars 245 ft. I.D. Drill Collars 2 1/4 In.
Tool Joint Size 4 1/2 #190 In. Length D.S.T. Tool 60' ft.

Remarks Pressure From 1567
RECEIVED OCT 25 1976

COMPANY TERMS
Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.
All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

INVOICE SECTION	
Open Hole Test	\$ 425.00
Straddle Test	\$
Jars	\$ 165.00
Selective Zone	\$
Safety Joint	\$
Misrun	\$
Evaluation	\$
Packer	\$
Circ. Sub.	\$
Total	\$ 590.00

Test Approved By Brad New Western Representative May Krize
Signature of Customer or his Authorized Representative Operator's Time Thank You Hrs.

WESTERN TESTING CO., INC.

Pressure Data

Date 10-22-76 Test Ticket No. 25286
 Recorder No. 15687 Capacity 4300 Location 5115
 Clock No. 9103 Elevation 2528 Kelly Bunting Well Temperature 120

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2853</u> P.S.I.	<u>7:23 A.M.</u>	
B First Initial Flow Pressure	<u>97</u> P.S.I.	<u>30</u> Mins.	<u>35</u> Mi
C First Final Flow Pressure	<u>102</u> P.S.I.	<u>65</u> Mins.	<u>57</u> Mi
D Initial Closed-in Pressure	<u>1565</u> P.S.I.	<u>90</u> Mins.	<u>90</u> Mi
E Second Initial Flow Pressure	<u>112</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mi
F Second Final Flow Pressure	<u>162</u> P.S.I.		
G Final Closed-in Pressure	<u>1392</u> P.S.I.		
H Final Hydrostatic Mud	<u>2811</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>18</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> min. 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 0	<u>97</u>	0	<u>162</u>	0	<u>112</u>	0	<u>162</u>
P 2 5	162 <u>Plugging Action</u>	3	<u>265</u>	5	<u>106</u>	3	<u>238</u>
P 3 10	<u>80</u>	6	<u>431</u>	10	<u>112</u>	6	<u>357</u>
P 4 15	<u>Plugging Action</u>	9	<u>730</u>	15	<u>117</u>	9	<u>534</u>
P 5 20		12	<u>970</u>	20	<u>121</u>	12	<u>706</u>
P 6 25	<u>82</u>	15	<u>1112</u>	25	<u>125</u>	15	<u>842</u>
P 7 30	<u>Plugging Action</u>	18	<u>1211</u>	30	<u>130</u>	18	<u>950</u>
P 8 35	<u>102</u>	21	<u>1286</u>	35	<u>134</u>	21	<u>1032</u>
P 9 40		24	<u>1342</u>	40	<u>138</u>	24	<u>1095</u>
P10 45		27	<u>1386</u>	45	<u>145</u>	27	<u>1146</u>
P11 50		30	<u>1418</u>	50	<u>147</u>	30	<u>1189</u>
P12 55		33	<u>1446</u>	55	<u>151</u>	33	<u>1224</u>
P13 60		36	<u>1470</u>	60	<u>153</u>	36	<u>1254</u>
P14		39	<u>1491</u>	65	<u>156</u>	39	<u>1282</u>
P15		42	<u>1506</u>	70	<u>158</u>	42	<u>1306</u>
P16		45	<u>1519</u>	75	<u>"</u>	45	<u>1325</u>
P17		48	<u>1535</u>	80	<u>160</u>	48	<u>1344</u>
P18		51	<u>1545</u>	85	<u>162</u>	51	<u>1362</u>
P19		54	<u>1556</u>	90	<u>162</u>	54	<u>1375</u>
P20		57	<u>1565</u>			57	<u>1390</u>
		60				60	<u>1392</u>



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Pickrell Drilling Company Lease & Well No. McFadden #C-1

Elevation 2528 Kelly Bush. Formation Marmation Effective Pay - Ft. Ticket No. 25286

Date 10-22-76 Sec. 35 Twp. 30S Range 24W County Clark State Kansas

Test Approved by Brad Rine Western Representative Max Knipe

Formation Test No. 1 O.K. Misrun Interval Tested From 5190' to 5220' Total Depth 5220'

Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No

Top Packer Depth 5185 Ft. Size 6 3/4 Bottom Packer Depth 5190 Ft. Size 6 3/4

Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 30 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 5112 Ft. Clock No. 4964 Depth 5115 Ft. Clock No. 9103

Top Make Kuster Cap. 6200 No. 1563 ~~Inside~~ Outside Bottom Make Kuster Cap. 4300 No. 1567 ~~Inside~~ Outside

Below Straddle: Depth Rec. No. Clock No. ~~Inside~~ Outside Depth Ft. Rec. No. Clock No. ~~Inside~~ Outside

Time Set Packer 7:23 A. M

Tool Open I.F.P. From 7:25A M. to 7:55A M. Hr. 30 Min. From (B) 97 P.S.I. To (C) 102 P.S.I.

Tool Closed I.C.I.P. From 7:55A M. to 9:00A M. 1 Hr. 05 Min (D) 1565 P.S.I.

Tool Open F.F.P. From 9:00A M. to 10:30A M. 1 Hr. 30 Min. From (E) 112 P.S.I. To (F) 162 P.S.I.

Tool Closed F.C.I.P. From 10:30A M. to 11:30A M. 1 Hr. Min. (G) 1392 P.S.I.

Initial Hydrostatic Pressure (A) 2853 P.S.I. Final Hydrostatic Pressure (H) 2811 P.S.I. Maximum Temp. 120

INFORMATION

BLOW Weak 1/2" blow throughout test.

Did Well Flow Yes No Recovery Total Ft. 150' of thin mud with slight show of oil, 120' of very thi
watery mud.

Reversed Out Yes No Mud Type Starch Viscosity 56 Weight 9.9 Water Loss 10 cc. Chlorides 68,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Jars: Size 4 3/4 ^{OD} In. Make WTC Ser. No. 408

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Pickrell Drlg. Co. Length Drill Pipe? 4915 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size In.

Length Weight Pipe Ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars 245 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 H-90 In. Length D.S.T. Tool 60 Ft.

Remarks: Read recorder #1567.



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Pickrell Drilling Company Lease & Well No. McFadden #C-1

Elevation 2528 Kelly Bush. Formation Marmation Effective Pay - Ft. Ticket No. 25286

Date 10-22-76 Sec. 35 Twp. 30S Range 24W County Clark State Kansas

Test Approved by Brad Rine Western Representative Max Knife

Formation Test No. 1 O.K. Misrun Interval Tested From 5190' to 5220' Total Depth 5220'

Size Main Hole 7 7/8 Bit Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No

Top Packer Depth 5185 Ft. Size 6 3/4 Bottom Packer Depth 5190 Ft. Size 6 3/4

Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 30 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 5112 Ft. Clock No. 4964 Depth 5115 Ft. Clock No. 9103

Top Make Kuster Cap. 6200 No. 1563 ~~Outside~~ ^{Inside} Bottom Make Kuster Cap. 4300 No. 1567 ~~Outside~~ ^{Inside}

Below Straddle: Depth Rec. No. Clock No. ~~Outside~~ ^{Inside} Depth Ft. Rec. No. Clock No. ~~Outside~~ ^{Inside}

Time Set Packer 7:23 A. M

Tool Open I.F.P. From 7:25A M. to 7:55A M. - Hr. 30 Min. From (B) 97 P.S.I. To (C) 102 P.S.I.

Tool Closed I.C.I.P. From 7:55A M. to 9:00A M. 1 Hr. 05 Min (D) 1565 P.S.I.

Tool Open F.F.P. From 9:00A M. to 10:30A M. 1 Hr. 30 Min. From (E) 112 P.S.I. To (F) 162 P.S.I.

Tool Closed F.C.I.P. From 10:30A M. to 11:30A M. 1 Hr. - Min. (G) 1392 P.S.I.

Initial Hydrostatic Pressure (A) 2853 P.S.I. Final Hydrostatic Pressure (H) 2811 P.S.I. Maximum Temp. 120

INFORMATION

BLOW Weak 1/2" blow throughout test.

Did Well Flow - Yes No Recovery Total Ft. 150' of thin mud with slight show of oil, 120' of very thin watery mud.

Reversed Out. - Yes No Mud Type Starch Viscosity 56 Weight 9.9 Water Loss 10 cc. Chlorides 68,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Jars: Size 4 3/4 ^{OD} In. Make WTC Ser. No. 408

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Pickrell Drlg. Co. Length Drill Pipe? 4915 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size - In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 245 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/4 H-9Q In. Length D.S.T. Tool 60 Ft.

Remarks: Read recorder #1567.

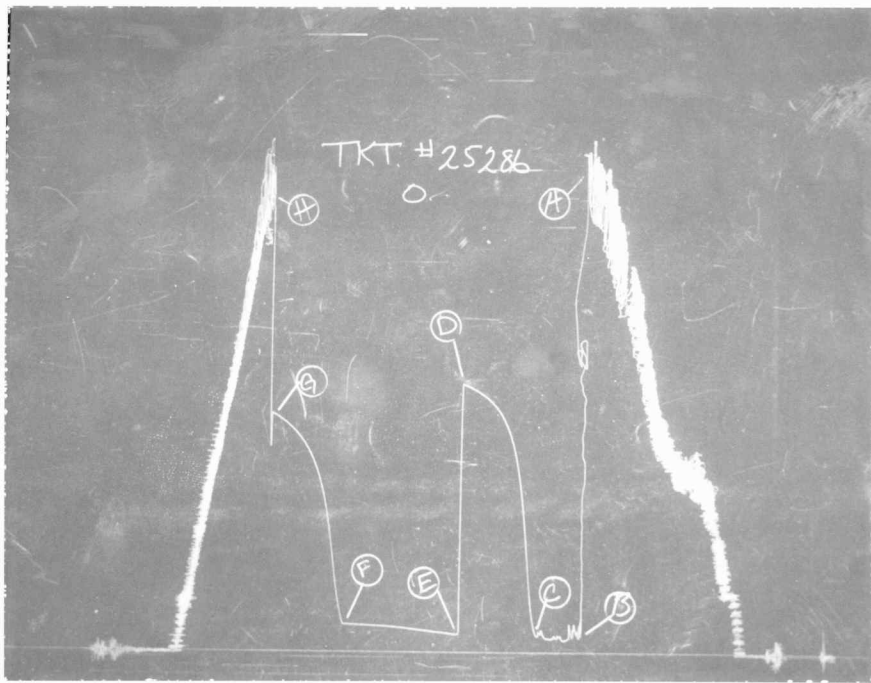
WESTERN TESTING CO., INC.
Pressure Data

Date 10-22-76 Test Ticket No. 25286
 Recorder No. 1567 Capacity 4300 Location 5115 Ft.
 Clock No. 9103 Elevation 2528 Kelly Bushing Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2853</u> P.S.I.	Open Tool	<u>7:23A.</u> M	
B First Initial Flow Pressure	<u>97</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>102</u> P.S.I.	Initial Closed-in Pressure	<u>65</u> Mins.	<u>57</u> Mins.
D Initial Closed-in Pressure	<u>1565</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>112</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>162</u> P.S.I.			
G Final Closed-in Pressure	<u>1392</u> P.S.I.			
H Final Hydrostatic Mud	<u>2811</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>18</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>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>97</u>	<u>0</u>	<u>102</u>	<u>0</u>	<u>112</u>	<u>0</u>	<u>162</u>
P 2 <u>5</u> <u>Plugging Action</u>		<u>3</u>	<u>205</u>	<u>5</u>	<u>106</u>	<u>3</u>	<u>238</u>
P 3 <u>10</u>	<u>80</u>	<u>6</u>	<u>431</u>	<u>10</u>	<u>112</u>	<u>6</u>	<u>357</u>
P 4 <u>15</u> <u>Plugging Action</u>		<u>9</u>	<u>730</u>	<u>15</u>	<u>117</u>	<u>9</u>	<u>534</u>
P 5 <u>20</u> <u>Plugging Action</u>		<u>12</u>	<u>970</u>	<u>20</u>	<u>121</u>	<u>12</u>	<u>706</u>
P 6 <u>25</u>	<u>82</u>	<u>15</u>	<u>1112</u>	<u>25</u>	<u>125</u>	<u>15</u>	<u>842</u>
P 7 <u>30</u> <u>Plugging Action</u>		<u>18</u>	<u>1211</u>	<u>30</u>	<u>130</u>	<u>18</u>	<u>950</u>
P 8 <u>35</u>	<u>102</u>	<u>21</u>	<u>1286</u>	<u>35</u>	<u>134</u>	<u>21</u>	<u>1032</u>
P 9		<u>24</u>	<u>1342</u>	<u>40</u>	<u>138</u>	<u>24</u>	<u>1095</u>
P10		<u>27</u>	<u>1386</u>	<u>45</u>	<u>145</u>	<u>27</u>	<u>1146</u>
P11		<u>30</u>	<u>1418</u>	<u>50</u>	<u>147</u>	<u>30</u>	<u>1189</u>
P12		<u>33</u>	<u>1446</u>	<u>55</u>	<u>151</u>	<u>33</u>	<u>1224</u>
P13		<u>36</u>	<u>1470</u>	<u>60</u>	<u>153</u>	<u>36</u>	<u>1254</u>
P14		<u>39</u>	<u>1491</u>	<u>65</u>	<u>156</u>	<u>39</u>	<u>1282</u>
P15		<u>42</u>	<u>1506</u>	<u>70</u>	<u>158</u>	<u>42</u>	<u>1306</u>
P16		<u>45</u>	<u>1519</u>	<u>75</u>	<u>158</u>	<u>45</u>	<u>1325</u>
P17		<u>48</u>	<u>1535</u>	<u>80</u>	<u>160</u>	<u>48</u>	<u>1344</u>
P18		<u>51</u>	<u>1545</u>	<u>85</u>	<u>162</u>	<u>51</u>	<u>1362</u>
P19		<u>54</u>	<u>1556</u>	<u>90</u>	<u>162</u>	<u>54</u>	<u>1375</u>
P20		<u>57</u>	<u>1565</u>			<u>57</u>	<u>1390</u>
						<u>60</u>	<u>1392</u>



P. O. BOX 793
GREAT BEND, KANSAS

PHONE 793-7903

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 21701

Formation MORROW Elevation _____ Eff. Pay _____ Ft.

District ORAN Date 10-24-76 Customer Order No. _____

COMPANY NAME PICKRELL Drilling Company

ADDRESS LITWIN BLDG. SUITE 205 110 N. MARKET, WICHITA, KS 67202

LEASE AND WELL NO. MCFADDEN # C-1 COUNTY CLARK STATE KS. Sec. 35 Twp. 30S Rge. 24W

Mail Inv. To _____ Co. Name SAME Address _____ No. Copies Requested OSCAR

Mail Charts To _____ Co. Name SAME Address _____ No. Copies Requested USCAR

Formation Test No. 2 O.K. Misrun _____ Interval Tested From 5402 to 5440 Total Depth 5440

Size Main Hole 7/8 Rat Hole _____ Conv. B.T. _____ Damaged Yes No Conv. _____ B.T. Damaged Yes No

Top Packer Depth 5397 Ft. Size 6 3/4 Bottom Packer Depth 5402 Ft. Size 6 3/4

Straddle _____ Conv. _____ B.T. _____ Damaged Yes _____ No Packer Depth _____ Ft. Size _____

Tool Size 5/8 O.D. Tool Joint Size 1 1/2 H. Anchor Length 38 Ft. Size 5/8 O.D. Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 5430 Ft. Clock No. 4763 Depth 5433 Ft. Clock No. 9912

Top Make ROSTER Cap 4150 No. 2604 Inside _____ Outside _____ Bottom Make ROSTER Cap 4100 No. 3660 Inside _____ Outside _____

Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside _____ Outside _____

Time Set Packer 6:53 A.M.

Tool Open I.F.P. From 6:55 M. to 9:25 M. Hr. 30 Min. From (B) 5039 P.S.I. To (C) 47 P.S.I.

Tool Closed I.C.I.P. From 7:25 M. to 8:25 M. 1 Hr. _____ Min. (D) 15 / 186 P.S.I.

Tool Open F.F.P. From 8:25 M. to 9:55 M. 1 Hr. 30 Min. From (E) 5057 P.S.I. To (F) 7067 P.S.I.

Tool Closed F.C.I.P. From 9:55 M. to 10:55 M. 1 Hr. _____ Min. (G) 15 / 160 P.S.I.

Initial Hydrostatic Pressure (A) 2785 P.S.I. Final Hydrostatic Pressure (H) 2785 P.S.I. Maximum Temp. 122

BLOW FAIR BLOW TREV-OUT TEST - 4" UNDER WATER

Did Well Flow Yes No _____ Recovery Total Ft. 65 ft. Reg. mud

Reversed Out Yes No _____ Mud Type SARCA Viscosity 57 Weight 9.9 Water Loss 11.2 cc. Chlorides 59,000

EXTRA EQUIPMENT: Type Circ. Sub. PLW Safety Joint _____ Jars: Size _____ In. Make _____ Ser. No. _____

Dual Packers YES Did Packers Hold? YES Did Tool Plug? NO Where? _____

DRILLING CONTRACTOR CO. TOOLS Length Drill Pipe 51.29 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 1 1/2 H. In.

Length Weight Pipe _____ ft. I.D. Weight Pipe _____ In. Tool Joint Size _____ In. Length Drill Collars 246 ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 1 1/2 H. In. Length D.S.T. Tool 65 ft.

Remarks clock #4763 STOPPED

INVOICE SECTION

Open Hole Test	\$ <u>425</u>
Straddle Test	\$ _____
Jars	\$ <u>165</u>
Selective Zone	\$ _____
Safety Joint	\$ _____
Misrun	\$ _____
Evaluation	\$ _____
Packer	\$ _____
Circ. Sub.	\$ _____
Total	\$ <u>590</u>

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made. All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Brad Rind
Signature of Customer or his Authorized Representative

Western Representative Bill Hager
Operator's Time Thank You

WESTERN TESTING CO., INC.

Pressure Data

Date 10-24-76

Test Ticket No. 21701

Recorder No. 3660

Capacity 4000

Location 5433

Clock No. 9712

Elevation —

Well Temperature 122

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2842</u> P.S.I.	Open Tool	<u>6:53 A.</u> M	
B First Initial Flow Pressure	<u>34</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> M
C First Final Flow Pressure	<u>47</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>54</u> M
D Initial Closed-in Pressure	<u>156</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> M
E Second Initial Flow Pressure	<u>57</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>57</u> M
F Second Final Flow Pressure	<u>67</u> P.S.I.			
G Final Closed-in Pressure	<u>160</u> P.S.I.			
H Final Hydrostatic Mud	<u>2842</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 18 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 18 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 19 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>34</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>57</u>	<u>0</u>	<u>67</u>
P 2	<u>5</u>	<u>37</u>	<u>3</u>	<u>49</u>	<u>5</u>	<u>53</u>	<u>3</u>	<u>72</u>
P 3	<u>10</u>	<u>39</u>	<u>6</u>	<u>51</u>	<u>10</u>	<u>54</u>	<u>6</u>	<u>77</u>
P 4	<u>15</u>	<u>40</u>	<u>9</u>	<u>"</u>	<u>15</u>	<u>"</u>	<u>9</u>	<u>83</u>
P 5	<u>20</u>	<u>"</u>	<u>12</u>	<u>53</u>	<u>20</u>	<u>55</u>	<u>12</u>	<u>89</u>
P 6	<u>25</u>	<u>41</u>	<u>15</u>	<u>59</u>	<u>25</u>	<u>57</u>	<u>15</u>	<u>93</u>
P 7	<u>30</u>	<u>47</u>	<u>18</u>	<u>67</u>	<u>30</u>	<u>58</u>	<u>18</u>	<u>96</u>
P 8	<u>35</u>		<u>21</u>	<u>75</u>	<u>35</u>	<u>59</u>	<u>21</u>	<u>100</u>
P 9	<u>40</u>		<u>24</u>	<u>83</u>	<u>40</u>	<u>60</u>	<u>24</u>	<u>103</u>
P10	<u>45</u>		<u>27</u>	<u>91</u>	<u>45</u>	<u>"</u>	<u>27</u>	<u>107</u>
P11	<u>50</u>		<u>30</u>	<u>97</u>	<u>50</u>	<u>61</u>	<u>30</u>	<u>113</u>
P12	<u>55</u>		<u>33</u>	<u>105</u>	<u>55</u>	<u>63</u>	<u>33</u>	<u>118</u>
P13	<u>60</u>		<u>36</u>	<u>113</u>	<u>60</u>	<u>"</u>	<u>36</u>	<u>122</u>
P14			<u>39</u>	<u>119</u>	<u>65</u>	<u>64</u>	<u>39</u>	<u>128</u>
P15			<u>42</u>	<u>128</u>	<u>70</u>	<u>"</u>	<u>42</u>	<u>134</u>
P16			<u>45</u>	<u>134</u>	<u>75</u>	<u>65</u>	<u>45</u>	<u>140</u>
P17			<u>48</u>	<u>142</u>	<u>80</u>	<u>66</u>	<u>48</u>	<u>144</u>
P18			<u>51</u>	<u>150</u>	<u>85</u>	<u>67</u>	<u>51</u>	<u>150</u>
P19			<u>54</u>	<u>156</u>	<u>90</u>	<u>67</u>	<u>54</u>	<u>156</u>
P20			<u>57</u>				<u>57</u>	<u>160</u>
			<u>60</u>				<u>60</u>	



Home Office: Wichita, Kansas 67201
 P. O. Box 1599 (316) 838-0601

Company Pickrell Drilling Company Lease & Well No. McFadden #C-1
 Elevation - Formation Morrow Effective Pay - Ft. Ticket No. 21701
 Date 10-24-76 Sec. 35 Twp. 30S Range 24W County Clark State Kansas
 Test Approved by Brad Rine Western Representative Bill Hager

Formation Test No. 2 O.K. Misrun Interval Tested From 5402' to 5440' Total Depth 5440'
 Size Main Hole 7 7/8" Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 5397 Ft. Size 6 3/4 Bottom Packer Depth 5402 Ft. Size 6 3/4
 Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
 Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 38 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 5430 Ft. Clock No. 4763 Depth 5433 Ft. Clock No. 9712
 Top Make Kuster Cap. 4150 No. 2604 ~~Inside~~ Outside Bottom Make Kuster Cap. 4000 No. 3660 ~~Inside~~ Outside
 Below Straddle: Depth - Rec. No. - Clock No. - ~~Inside~~ Outside Depth - Ft. Rec. No. - Clock No. - ~~Inside~~ Outside

Time Set Packer 6:53 A. M
 Tool Open I.F.P. From 6:55A M. to 7:25A M. - Hr. 30 Min. From (B) 34 P.S.I. To (C) 47 P.S.I.
 Tool Closed I.C.I.P. From 7:25A M. to 8:25A M. - Hr. 60 Min (D) 156 P.S.I.
 Tool Open F.F.P. From 8:25A M. to 9:55A M. 1 Hr. 30 Min. From (E) 57 P.S.I. To (F) 67 P.S.I.
 Tool Closed F.C.I.P. From 9:55A M. to 10:55A M. 1 Hr. - Min. (G) 160 P.S.I.
 Initial Hydrostatic Pressure (A) 2842 P.S.I. Final Hydrostatic Pressure (H) 2842 P.S.I. Maximum Temp. 122

INFORMATION

BLOW Fair blow throughout test. (4" under water)

Did Well Flow Yes No Recovery Total Ft. 65' of drilling mud.

Reversed Out Yes No Mud Type Starch Viscosity 57 Weight 9.9 Water Loss 11.2 cc. Chlorides 59,000 PPM

EXTRA EQUIPMENT: Type Pin Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Pickrell Drilling Co. Length Drill Pipe? 5129 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 246 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 H-90 Length D.S.T. Tool 65 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 10-24-76 Test Ticket No. 21701
 Recorder No. 3660 Capacity 4000 Location 5433 Ft.
 Clock No. 9712 Elevation - Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2842</u> P.S.I.	Open Tool	<u>6:53 A.</u> M	
B First Initial Flow Pressure	<u>34</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>47</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>54</u> Mins.
D Initial Closed-in Pressure	<u>156</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>57</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>57</u> Mins.
F Second Final Flow Pressure	<u>67</u> P.S.I.			
G Final Closed-in Pressure	<u>160</u> P.S.I.			
H Final Hydrostatic Mud	<u>2842</u> P.S.I.			

PRESSURE BREAKDOWN

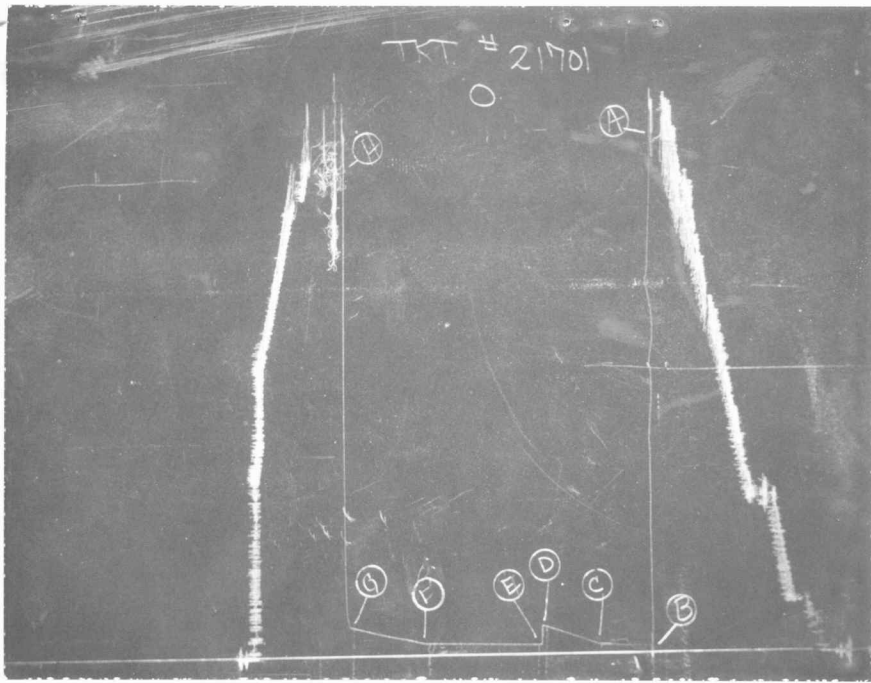
First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 18 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 18 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 19 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 0	<u>34</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>57</u>	<u>0</u>	<u>67</u>
P 2 5	<u>37</u>	<u>3</u>	<u>49</u>	<u>5</u>	<u>53</u>	<u>3</u>	<u>72</u>
P 3 10	<u>39</u>	<u>6</u>	<u>51</u>	<u>10</u>	<u>54</u>	<u>6</u>	<u>77</u>
P 4 15	<u>40</u>	<u>9</u>	<u>51</u>	<u>15</u>	<u>54</u>	<u>9</u>	<u>83</u>
P 5 20	<u>40</u>	<u>12</u>	<u>53</u>	<u>20</u>	<u>55</u>	<u>12</u>	<u>89</u>
P 6 25	<u>41</u>	<u>15</u>	<u>59</u>	<u>25</u>	<u>57</u>	<u>15</u>	<u>93</u>
P 7 30	<u>47</u>	<u>18</u>	<u>67</u>	<u>30</u>	<u>58</u>	<u>18</u>	<u>96</u>
P 8		<u>21</u>	<u>75</u>	<u>35</u>	<u>59</u>	<u>21</u>	<u>100</u>
P 9		<u>24</u>	<u>83</u>	<u>40</u>	<u>60</u>	<u>24</u>	<u>103</u>
P10		<u>27</u>	<u>91</u>	<u>45</u>	<u>60</u>	<u>27</u>	<u>107</u>
P11		<u>30</u>	<u>97</u>	<u>50</u>	<u>61</u>	<u>30</u>	<u>113</u>
P12		<u>33</u>	<u>105</u>	<u>55</u>	<u>63</u>	<u>33</u>	<u>118</u>
P13		<u>36</u>	<u>113</u>	<u>60</u>	<u>63</u>	<u>36</u>	<u>122</u>
P14		<u>39</u>	<u>119</u>	<u>65</u>	<u>64</u>	<u>39</u>	<u>128</u>
P15		<u>42</u>	<u>128</u>	<u>70</u>	<u>64</u>	<u>42</u>	<u>134</u>
P16		<u>45</u>	<u>134</u>	<u>75</u>	<u>65</u>	<u>45</u>	<u>140</u>
P17		<u>48</u>	<u>142</u>	<u>80</u>	<u>66</u>	<u>48</u>	<u>144</u>
P18		<u>51</u>	<u>150</u>	<u>85</u>	<u>67</u>	<u>51</u>	<u>150</u>
P19		<u>54</u>	<u>156</u>	<u>90</u>	<u>67</u>	<u>54</u>	<u>156</u>
P20						<u>57</u>	<u>160</u>





P. O. BOX 793 PHONE 793-7903
GREAT BEND, KANSAS

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 21673

Formation Miss Elevation 2528 KB Eff. Pay _____ Ft.

District Pratt Date 10-25-76 Customer Order No. _____

COMPANY NAME Pickrell Drilling Company

ADDRESS Litwin Building - Suite 205 110 N. Market Wichita Ks. 67202

LEASE AND WELL NO. #1 McFadden "C" COUNTY Clark STATE Kansas Sec. 35 Twp. 30S Rge. 24W

Mail Inv. To same Co. Name _____ Address _____ No. Copies Requested usual

Mail Charts To same Address _____ No. Copies Requested usual

Formation Test No. #3 O.K. Misrun _____ Interval Tested From 5448 to 5505 Total Depth 5505

Size Main Hole 7 7/8 Rat Hole _____ Conv. B.T. _____ Damaged Yes _____ No Conv. _____ B.T. Damaged Yes _____ No

Top Packer Depth 5443 Ft. Size 6 3/4 Bottom Packer Depth 5448 Ft. Size 6 3/4

Straddle _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No Packer Depth _____ Ft. Size _____

Tool Size 5 1/2 Tool Joint Size 4 1/2 FH Anchor Length 57 Ft. Size 4 1/2 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 5497 Ft. Clock No. 6799 Depth 5500 Ft. Clock No. 8386

Top Make Kuster Cap. 4150 No. 2606 Inside _____ Outside _____ Bottom Make Kuster Cap. 4000 No. 3357 Inside _____ Outside _____

Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Depth _____ Ft. Rec. No. _____ Clock No. _____ Inside _____ Outside _____

Time Set Packer 7:07 A M

Tool Open I.F.P. From 7:10 M. to 7:40 M. Hr. 30 Min. From (B) 52 56 P.S.I. To (C) 172 P.S.I.

Tool Closed I.C.I.P. From 7:40 M. to 8:40 M. 1 Hr. Min. (D) 1,060 1072 P.S.I.

Tool Open F.F.P. From 8:40 M. to 9:10 M. Hr. 30 Min. From (E) 197202 P.S.I. To (F) 176 172 P.S.I.

Tool Closed F.C.I.P. From 9:10 M. to 9:40 M. Hr. 30 Min. (G) 520 494 P.S.I.

Initial Hydrostatic Pressure (A) 2,901 2928 N.S.I. Final Hydrostatic Pressure (H) 2,901 2928 I. Maximum Temp. 122

BLOW Good blow 1st opening did in 2nd opening in 20 min. INFORMATION

Did Well Flow _____ Yes No _____ Recovery Total Ft. 243 ft mud

Reversed Out _____ Yes No _____ Mud Type Starch Viscosity 58 Weight 9.7 Water Loss 10.8 cc. Chlorides 68000

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint _____ Jars: Size 4 In. Make TCS Ser. No. 405

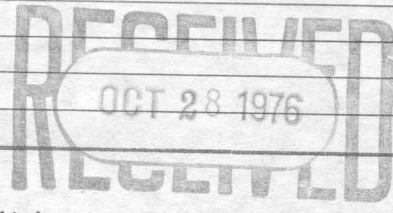
Dual Packers yes Did Packers Hold? yes Did Tool Plug? no Where? _____

DRILLING CONTRACTOR Co. Tools Length Drill Pipe 5206 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 X 1 1/2 In.

Length Weight Pipe _____ ft. I.D. Weight Pipe _____ In. Tool Joint Size _____ In. Length Drill Collars 245 ft. I.D. Drill Collars 3.8 In.

Tool Joint Size 4 1/2 X 1 1/2 In. Length D.S.T. Tool 84 ft.

Remarks _____



INVOICE SECTION

Open Hole Test	\$425.00
Straddle Test	\$1165.00
Jars	\$
Selective Zone	\$
Safety Joint	\$
Misrun	\$
Evaluation	\$
Packer	\$
Circ. Sub.	\$
Total	\$590.00

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made. All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Brad Pine Signature of Customer or his Authorized Representative Western Representative Lennie J. Chip Operator's Time L. Park Hrs.

WESTERN TESTING CO., INC.
Pressure Data

Date 10-25-76

Test Ticket No. 21673

Recorder No. 2606

Capacity 4150

Location 5497

Clock No. 6799

Elevation 2528 Kelly Bushing

Well Temperature 122

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2926</u> P.S.I.	Open Tool	<u>7:07 A.</u> M	
B First Initial Flow Pressure	<u>56</u> P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>36</u> M
C First Final Flow Pressure	<u>172</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins	<u>60</u> M
D Initial Closed-in Pressure	<u>1072</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins	<u>30</u> M
E Second Initial Flow Pressure	<u>202</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins	<u>30</u> M
F Second Final Flow Pressure	<u>172</u> P.S.I.			
G Final Closed-in Pressure	<u>494</u> P.S.I.			
H Final Hydrostatic Mud	<u>2926</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>6</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>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>56</u>	<u>0</u> <u>172</u>	<u>0</u> <u>202</u>	<u>0</u> <u>172</u>			
P 2	<u>5</u> <u>154</u>	<u>3</u> <u>235</u>	<u>5</u> <u>181</u>	<u>3</u> <u>187</u>			
P 3	<u>10</u> <u>164</u>	<u>6</u> <u>318</u>	<u>10</u> <u>177</u>	<u>6</u> <u>225</u>			
P 4	<u>15</u> <u>164</u>	<u>9</u> <u>396</u>	<u>15</u> <u>176</u>	<u>9</u> <u>258</u>			
P 5	<u>20</u> <u>164</u>	<u>12</u> <u>456</u>	<u>20</u> <u>176</u>	<u>12</u> <u>291</u>			
P 6	<u>25</u> <u>175</u>	<u>15</u> <u>514</u>	<u>25</u> <u>175</u>	<u>15</u> <u>329</u>			
P 7	<u>30</u> <u>172</u>	<u>18</u> <u>562</u>	<u>30</u> <u>172</u>	<u>18</u> <u>366</u>			
P 8	<u>35</u> _____	<u>21</u> <u>608</u>	<u>35</u> _____	<u>21</u> <u>400</u>			
P 9	<u>40</u> _____	<u>24</u> <u>655</u>	<u>40</u> _____	<u>24</u> <u>435</u>			
P10	<u>45</u> _____	<u>27</u> <u>697</u>	<u>45</u> _____	<u>27</u> <u>469</u>			
P11	<u>50</u> _____	<u>30</u> <u>738</u>	<u>50</u> _____	<u>30</u> <u>494</u>			
P12	<u>55</u> _____	<u>33</u> <u>780</u>	<u>55</u> _____	<u>33</u> _____			
P13	<u>60</u> _____	<u>36</u> <u>817</u>	<u>60</u> _____	<u>36</u> _____			
P14	_____	<u>39</u> <u>859</u>	<u>65</u> _____	<u>39</u> _____			
P15	_____	<u>42</u> <u>894</u>	<u>70</u> _____	<u>42</u> _____			
P16	_____	<u>45</u> <u>927</u>	<u>75</u> _____	<u>45</u> _____			
P17	_____	<u>48</u> <u>963</u>	<u>80</u> _____	<u>48</u> _____			
P18	_____	<u>51</u> <u>994</u>	<u>85</u> _____	<u>51</u> _____			
P19	_____	<u>54</u> <u>1027</u>	<u>90</u> _____	<u>54</u> _____			
P20	_____	<u>57</u> <u>1094</u>	_____	<u>57</u> _____			
WTC - 4	_____	<u>60</u> <u>1072</u>	_____	<u>60</u> _____			



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Pickrell Drilling Company Lease & Well No. McFadden "C" #1
Elevation 2528 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. #21673
Date 10-25-76 Sec. 35 Twp. 30S Range 24W County Clark State Kansas
Test Approved by Brad Price Western Representative Lonnie Cline

Formation Test No. 3 O.K. Misrun Interval Tested From 5448' to 5505' Total Depth 5505'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 5443 Ft. Size 6 3/4 Bottom Packer Depth 5448 Ft. Size 6 3/4
Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 57 Ft. Size 4 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 5497 Ft. Clock No. 6799 Depth 5500 Ft. Clock No. 8376
Top Make Kuster Cap. 4150 No. 2606 Inside Outside Bottom Make Kuster Cap. 4000 No. 3351 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 7:07 A M
Tool Open I.F.P. From 7:10A M. to 7:40A M. - Hr. 30 Min. From (B) 56 P.S.I. To (C) 172 P.S.I.
Tool Closed I.C.I.P. From 7:40A M. to 8:40A M. - Hr. 60 Min (D) 1072 P.S.I.
Tool Open F.F.P. From 8:40A M. to 9:10A M. - Hr. 30 Min. From (E) 202 P.S.I. To (F) 172 P.S.I.
Tool Closed F.C.I.P. From 9:10A M. to 9:40A M. - Hr. 30 Min. (G) 494 P.S.I.
Initial Hydrostatic Pressure (A) 2926 P.S.I. Final Hydrostatic Pressure (H) 2926 P.S.I. Maximum Temp. 122

INFORMATION

BLOW Good blow first opening. Died in second opening in 20 minutes.

Did Well Flow Yes No Recovery Total Ft. 243' mud.

Reversed Out Yes No Mud Type starch Viscosity 58 Weight 9.7 Water Loss 10.8 cc. Chlorides 68,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size 4 In. Make Western Ser. No. 405

Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR Co. Tools Length Drill Pipe? 5206 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 245 Ft. I.D. Drill Collars 2.9 In.

Tool Joint Size 4 1/2 H90 In. Length D.S.T. Tool 84 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 10-25-76

Test Ticket No. #21673

Recorder No. 2606 Capacity 4150 Location 5497 Ft.

Clock No. 6799 Elevation 2528 Kelly Bushing Well Temperature 122 °F

Point	Pressure		Time	
			Given	Computed
A. Initial Hydrostatic Mud	2926 P.S.I.	Open Tool	7:07 A	M
B First Initial Flow Pressure	56 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	172 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1072 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	202 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	172 P.S.I.			
G Final Closed-in Pressure	494 P.S.I.			
H Final Hydrostatic Mud	2926 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In		
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>6</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>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	0	56	0	172	0	202	0	173
P 2	5	154	3	235	5	181	3	187
P 3	10	164	6	318	10	177	6	225
P 4	15	164	9	396	15	176	9	258
P 5	20	164	12	456	20	176	12	291
P 6	25	175	15	514	25	175	15	329
P 7	30	172	18	562	30	172	18	366
P 8			21	608			21	400
P 9			24	655			24	435
P10			27	697			27	469
P11			30	738			30	494
P12			33	780				
P13			36	817				
P14			39	859				
P15			42	894				
P16			45	927				
P17			48	963				
P18			51	994				
P19			54	1027				
P20			57	1054				
WTC - 4			60	1072				

TKT # 21683

I

(A)

(D)

(D)

(G)

(F)

(E)

(C)

(B)

