



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 4021

P. O. BOX 1599 WICHITA, KANSAS 67201
PHONE (316) 838-0601

Elevation 2307 K.B. Formation Huck Zone Eff. Pay Ft.

District PRATT Date 11-4-79 Customer Order No.
COMPANY NAME Pickell Drly. Co.
ADDRESS 305 Astoria Bldg Wichita
LEASE AND WELL NO #1 SEACAT C COUNTY CLARK STATE KS. Sec. 29 Twp. 30S Rge 21W
Mail Invoice To SEACAT #1-C SAME No. Copies Requested Reg.
Co. Name SAME Address No. Copies Requested Reg.

Formation Test No. 1 Interval Tested from 5164 ft. to 5192 ft. Total Depth 5192 ft.
Packer Depth 5159 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 5164 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set
Top Recorder Depth (Inside) 5184 ft. Recorder Number 5673 Cap. 5400
Bottom Recorder Depth (Outside) 5187 ft. Recorder Number 6246 Cap. 5200
Below Straddle Recorder Depth ft. Recorder Number Cap.
Drilling Contractor Co-Tools #1 Drill Collar Length 240 I. D. 2.1 in.
Mud Type DRIS PAC Viscosity 44 Weight Pipe Length I. D. in.
Weight 9.3 Water Loss 15.2 cc. Drill Pipe Length 4876 I. D. 3.5 in.
Chlorides 28,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 C.D. in.
Jars: Make W.T.C. Serial Number Anchor Length 28 ft. Size 5 1/2 C.D. in.
Did Well Flow? NO Reversed Out Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 X 1 1/2 in.

Blow: Moderate during 25 min. Initial opening
Weak Blow Final Flow during 10 min.

Recovered 70 ft. of Slightly Gas cut Drly mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:
RECEIVED NOV 6 - 1979

Time Set Packer(s) 12:05 P.M. Time Started Off Bottom 3:05 P.M. Maximum Temperature 117
Initial Hydrostatic Pressure (A) 2564 P.S.I.
Initial Flow Period Minutes 30 (B) 40 P.S.I. to (C) 40 P.S.I.
Initial Closed In Period Minutes 60 (D) 109 P.S.I.
Final Flow Period Minutes 30 (E) 54 P.S.I. to (F) 40 P.S.I.
Final Closed In Period Minutes 60 (G) 109 P.S.I.
Final Hydrostatic Pressure (H) 2537 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages 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, of 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 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative
Western Representative Dave Sloan Thank you

FIELD INVOICE

Open Hole Test \$600.00
Misrun \$
Straddle Test \$
Jars \$ 275.00
Selective Zone \$
Safety Joint \$ 35.00
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage 65 \$
Fluid Sampler \$
Extra Charts \$
TOTAL \$ 910.00

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 11-4-79 Test Ticket No. 4021  
 Recorder No. 5673 Capacity 5400 Location 5184 Ft.  
 Block No. \_\_\_\_\_ Elevation 2307 KB Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
1 Initial Hydrostatic Mud	<u>2586</u> P.S.I.	Open Tool	<u>12:05 P M</u>	
3 First Initial Flow Pressure	<u>55</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
2 First Final Flow Pressure	<u>60</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
3 Initial Closed-in Pressure	<u>139</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
3 Second Initial Flow Pressure	<u>68</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
3 Second Final Flow Pressure	<u>62</u> P.S.I.			
3 Final Closed-in Pressure	<u>136</u> P.S.I.			
1 Final Hydrostatic Mud	<u>2551</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>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.
1 0	<u>55</u>	0	<u>60</u>	0	<u>68</u>	0	<u>62</u>
2 5	}	3	<u>63</u>	5	<u>68</u>	3	<u>66</u>
3 10		6	<u>66</u>	10	<u>63</u>	6	<u>70</u>
4 15		9	<u>70</u>	15	<u>62</u>	9	<u>74</u>
5 20	<u>55</u>	12	<u>74</u>	20	}	12	<u>77</u>
6 25	<u>57</u>	15	<u>77</u>	25		15	<u>82</u>
7 30	<u>60</u>	18	<u>79</u>	30		18	<u>86</u>
8 35		21	<u>84</u>	35		21	<u>90</u>
9 40		24	<u>87</u>	40		24	<u>93</u>
10 45		27	<u>90</u>	45		27	<u>96</u>
11 50		30	<u>93</u>	50		30	<u>98</u>
12 55		33	<u>96</u>	55		33	<u>103</u>
13 60		36	<u>101</u>	60		36	<u>107</u>
14		39	<u>104</u>	65		39	<u>109</u>
15		42	<u>109</u>	70		42	<u>114</u>
16		45	<u>115</u>	75		45	<u>119</u>
17		48	<u>120</u>	80		48	<u>122</u>
18		51	<u>126</u>	85		51	<u>126</u>
19		54	<u>131</u>	90		54	<u>128</u>
20		57	<u>134</u>			57	<u>131</u>
		60	<u>139</u>			60	<u>136</u>

Company Pickrell Drilling Company Lease & Well No. Seacat "C" #1  
 Elevation 2307 Kelly Bushing Huck Zone Formation Effective Pay --- Ft. Ticket No. 4021  
 Date 11/4/79 Sec. 29 Twp 30S Range 21W County Clark State Kansas  
 Test Approved by Mike G. Russell Western Representative Dave Sloan

Formation Test No. 1 Interval Tested from 5164 ft. to 5192 ft. Total Depth 5192 ft.  
 Packer Depth 5159 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 5164 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 5184 ft. Recorder Number 5673 Cap. 5400  
 Bottom Recorder Depth (Outside) 5187 ft. Recorder Number 6246 Cap. 5200  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Pickrell Drilling #1 Drill Collar Length 240 I. D. 2.2 in.  
 Mud Type drispac Viscosity 44 Weight Pipe Length - I. D. - in.  
 Weight 9.3 Water Loss 15.2 cc. Drill Pipe Length 4896 I. D. 3.8 in.  
 Chlorides 28,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.  
 Jars: Make WTC Serial Number 402 Anchor Length 28 ft. Size 5 1/2 OD in.  
 Did Well Flow? No Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Moderate dying twenty-five minutes into initial opening. Weak blow final flow, dying in ten minutes.

Recovered 70 ft. of slightly gas cut drilling mud  
 Recovered        ft. of         
 Recovered        ft. of         
 Recovered        ft. of         
 Recovered        ft. of       

Remarks:       

Time Set Packer(s)	<u>12:05</u>	<u>AM</u>	Time Started Off Bottom	<u>3:05</u>	<u>AM</u>	Maximum Temperature	<u>117<sup>0</sup></u>
Initial Hydrostatic Pressure		<u>P.M.</u>		<u>2586</u>			
Initial Flow Period			Minutes	<u>30</u>		<u>60</u>	<u>P.S.I.</u>
Initial Closed In Period			Minutes	<u>60</u>			<u>P.S.I.</u>
Final Flow Period			Minutes	<u>30</u>		<u>62</u>	<u>P.S.I.</u>
Final Closed In Period			Minutes	<u>60</u>			<u>P.S.I.</u>
Final Hydrostatic Pressure				<u>2551</u>			<u>P.S.I.</u>

# WESTERN TESTING CO., INC.

## Pressure Data

Date 11/4/79 Test Ticket No. 4021  
 Recorder No. 5673 Capacity 5400 Location 5184 Ft.  
 Clock No. --- Elevation 2307 Kelly Bushing Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2586	P.S.I.	12:05P	M
B First Initial Flow Pressure	55	P.S.I.	30	Mins. 30
C First Final Flow Pressure	60	P.S.I.	60	Mins. 60
D Initial Closed-in Pressure	139	P.S.I.	30	Mins. 30
E Second Initial Flow Pressure	68	P.S.I.	60	Mins. 60
F Second Final Flow Pressure	62	P.S.I.		
G Final Closed-in Pressure	136	P.S.I.		
H Final Hydrostatic Mud	2551	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: 20 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

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

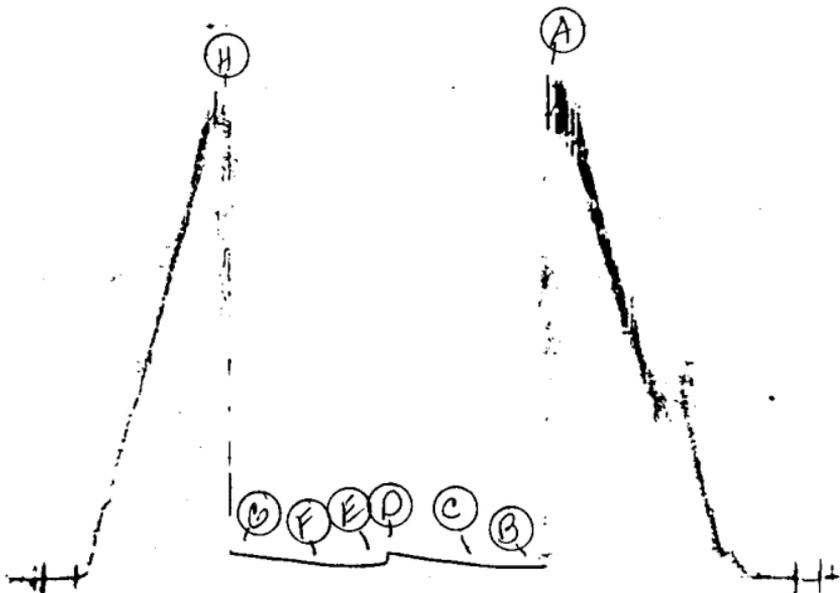
**Final Shut-In**  
 Breakdown: 20 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	55	0	60	0	68	0	62
P 2	55	3	63	5	68	3	66
P 3	55	6	66	10	63	6	70
P 4	55	9	70	15	62	9	74
P 5	55	12	74	20	62	12	77
P 6	57	15	77	25	62	15	82
P 7	60	18	79	30	62	18	86
P 8		21	84			21	90
P 9		24	87			24	93
P10		27	90			27	96
P11		30	93			30	98
P12		33	96			33	103
P13		36	101			36	107
P14		39	104			39	109
P15		42	109			42	114
P16		45	115			45	119
P17		48	120			48	122
P18		51	126			51	126
P19		54	131			54	128
P20		57	134			57	131
		60	139			60	136

5673

TKT# 4021  
I

pickroll DRL7 co.  
SEARCH C-1  
DST 1





# WESTERN TESTING CO., INC.

## FORMATION TESTING

### TICKET NO 4022

P. O. BOX 1599 PHONE (316) 838-0601  
WICHITA, KANSAS 67201

Elevation 2307 K.B. Formation Miss. Eff. Pay      Ft.

District PRATT Date 11-5-79 Customer Order No.     

COMPANY NAME Pickwell Drilling Co.

ADDRESS Litwin Bldg Suite 205 - Wichita, Kan.

LEASE AND WELL NO. #1 SEACAT C COUNTY CLARK STATE Ks. Sec. 29 Twp 30S Rge 21W

Mail Invoice To SEACAT #1 C Co. Name SAME Address      No. Copies Requested Reg.

Mail Charts To      Address      No. Copies Requested Reg.

Formation Test No. 79 Interval Tested from 5182 ft. to 5216 ft. Total Depth 5216 ft.  
Packer Depth 5177 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Packer Depth 5182 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Depth of Selective Zone Set       
Top Recorder Depth (Inside) 5208 ft. Recorder Number 5673 Cap. 5400  
Bottom Recorder Depth (Outside) 5211 ft. Recorder Number 6296 Cap. 5200  
Below Straddle Recorder Depth      ft. Recorder Number      Cap.     

Drilling Contractor CO-TOOLS #1 Drill Collar Length 240 I. D. 2.2 in.  
Mud Type DRISPAW Viscosity 49 Weight Pipe Length      I. D.      in.  
Weight 9.2 Water Loss 14.8 cc. Drill Pipe Length 4914 I. D. 3.8 in.  
Chlorides 22,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 O.P. in.  
Jars: Make W.T.C. Serial Number      Anchor Length 34 ft. Size 5 1/2 O.P. in.  
Did Well Flow? NO Reversed Out      Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 X 1 1/2 in.

Blow: Moderate Blow during AFTER 15 min.  
FINAL Flow period

Recovered 60 ft. of Slightly Gas cut Drilg. Mud  
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of     

Remarks: HAD PROBLEM Laying down Landing Joint - Final  
Shot in Ran over 20 min. 80 instead of 60

Time Set Packer(s)	A.M. / P.M.	Time Started Off Bottom	A.M. / P.M.	Maximum Temperature
<u>4:15</u>	<u>    </u>	<u>7:45</u>	<u>    </u>	<u>118</u>
Initial Hydrostatic Pressure	(A)	<u>2537</u>	P.S.I.	
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>40</u> P.S.I. to (C)
Initial Closed In Period	Minutes	<u>60</u>	(D)	<u>109</u> P.S.I.
Final Flow Period	Minutes	<u>30</u>	(E)	<u>40</u> P.S.I. to (F)
Final Closed In Period	Minutes	<u>80</u>	(G)	<u>109</u> P.S.I.
Final Hydrostatic Pressure	(H)	<u>2524</u>	P.S.I.	

### COMPANY TERMS

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All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature]  
Signature of Customer or his authorized representative  
Western Representative [Signature]  
Thank you

### FIELD INVOICE

Open Hole Test	\$ <u>✓600<sup>00</sup></u>
Misrun	\$ <u>    </u>
Straddle Test	\$ <u>    </u>
Jars	\$ <u>✓275<sup>00</sup></u>
Selective Zone	\$ <u>    </u>
Safety Joint	\$ <u>✓35<sup>00</sup></u>
Standby	\$ <u>    </u>
Evaluation	\$ <u>    </u>
Extra Packer	\$ <u>    </u>
Circ. Sub.	\$ <u>    </u>
Mileage <u>60</u>	\$ <u>    </u>
Fluid Sampler	\$ <u>    </u>
Extra Charts	\$ <u>    </u>
TOTAL	\$ <u>910<sup>00</sup></u>

NOV 6 - 1979

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 11-5-79 Test Ticket No. 4022  
 Recorder No. 5673 Capacity 5400 Location 5208 Ft.  
 Clock No. \_\_\_\_\_ Elevation 2307 KB Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2614</u> P.S.I.	Open Tool	<u>4:25</u> A M	
B First Initial Flow Pressure	<u>44</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>49</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>120</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>52</u> P.S.I.	Final Closed-in Pressure	<u>80</u> Mins.	<u>75</u> Mins.
F Second Final Flow Pressure	<u>52</u> P.S.I.			
G Final Closed-in Pressure	<u>130</u> P.S.I.			
H Final Hydrostatic Mud	<u>2522</u> P.S.I.			

**PRESSURE BREAKDOWN**

<b>First Flow Pressure</b> Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Initial Shut-In</b> Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	<b>Second Flow Pressure</b> Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Final Shut-In</b> Breakdown: <u>25</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>44</u>	0	<u>49</u>	0	<u>52</u>	0	<u>52</u>
P 2		3	<u>52</u>	5	<u>52</u>	3	<u>55</u>
P 3		6	<u>55</u>	10	<u>52</u>	6	<u>57</u>
P 4		9	<u>60</u>	15		9	<u>62</u>
P 5	<u>44</u>	12	<u>66</u>	20		12	<u>63</u>
P 6	<u>46</u>	15	<u>70</u>	25		15	<u>66</u>
P 7	<u>49</u>	18	<u>76</u>	30	<u>52</u>	18	<u>68</u>
P 8		21	<u>78</u>	35		21	<u>74</u>
P 9		24	<u>82</u>	40		24	<u>77</u>
P10		27	<u>85</u>	45		27	<u>82</u>
P11		30	<u>89</u>	50		30	<u>85</u>
P12		33	<u>90</u>	55		33	<u>87</u>
P13		36	<u>96</u>	60		36	<u>90</u>
P14		39	<u>98</u>	65		39	<u>96</u>
P15		42	<u>103</u>	70		42	<u>98</u>
P16		45	<u>107</u>	75		45	<u>101</u>
P17		48	<u>109</u>	80		48	<u>104</u>
P18		51	<u>112</u>	85		51	<u>108</u>
P19		54	<u>115</u>	90		54	<u>109</u>
P20		57	<u>117</u>			57	<u>112</u>
		60	<u>120</u>			60	<u>115</u>

(cont)

WESTERN TESTING CO., INC.

Pressure Data

Test Ticket No. 4022

Order No. \_\_\_\_\_ Capacity \_\_\_\_\_ Location \_\_\_\_\_ Ft

Well No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_ °F

Item	Pressure	Open Tool	Time Given	Time Computed
Initial Hydrostatic Mud	_____ P.S.I.	_____	_____ M	_____
First Initial Flow Pressure	_____ P.S.I.	First Flow Pressure	_____ Mins	_____ Min
First Final Flow Pressure	_____ P.S.I.	Initial Closed-in Pressure	_____ Mins	_____ Min
Initial Closed-in Pressure	_____ P.S.I.	Second Flow Pressure	_____ Mins	_____ Min
Second Initial Flow Pressure	_____ P.S.I.	Final Closed-in Pressure	_____ Mins	_____ Min
Second Final Flow Pressure	_____ P.S.I.			
Final Closed-in Pressure	_____ P.S.I.			
Final Hydrostatic Mud	_____ P.S.I.			

PRESSURE BREAKDOWN

Point Minutes	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown: _____ Inc.	of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc.	of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc.	of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc.	of _____ mins. and a final inc. of _____ Min.
Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
63		63		63		63	117	
66		66		66		66	120	
69		69		69		69	125	
72		72		72		72	127	
75		75		75		75	130	
78		78		78		78		
81		81		81		81		
84		84		84		84		
87		87		87		87		
90		90		90		90		
93		93		93		93		
96		96		96		96		
99		99		99		99		
102		102		102		102		
105		105		105		105		
108		108		108		108		
111		111		111		111		
114		114		114		114		
117		117		117		117		
120		120		120		120		

Company Pickrell Drilling Company Lease & Well No. Seacat "C" #1  
 Elevation 2307 Kelly Bushing Mississippi Effective Pay ---- Ft. Ticket No. 4022  
 Date 11/5/79 Sec. 29 Twp. 30S Range 21W County Clark State Kansas  
 Test Approved by Mike G. Russell Western Representative Dave Sloan

Formation Test No. 2 Interval Tested from 5182 ft. to 5216 ft. Total Depth 5216 ft.  
 Packer Depth 5177 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 5182 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 5208 ft. Recorder Number 5673 Cap. 5400  
 Bottom Recorder Depth (Outside) 5211 ft. Recorder Number 6246 Cap. 5200  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Pickrell Drilling Rig #1 Drill Collar Length 240 I. D. 2.2 in.  
 Mud Type drispac Viscosity 49 Weight Pipe Length - I. D. - in.  
 Weight 9.2 Water Loss 14.8 cc. Drill Pipe Length 4914 I. D. 3.8 in.  
 Chlorides 22,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.  
 Jars: Make WTC Serial Number 402 Anchor Length 34 ft. Size 5 1/2 in.  
 Did Well Flow? No Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Moderate blow dying after fifteen minutes final flow period.

Recovered 60 ft. of slightly gas cut drilling mud  
 Recovered ft. of   
 Recovered ft. of   
 Recovered ft. of   
 Recovered ft. of Had problem laying down landing joint-Final Shut-In rant over twenty minutes  
 Remarks: Eighty instead of sixty.

Time Set Packer(s) 4:25 ~~P.M.~~ A.M. Time Started Off Bottom 7:45 ~~P.M.~~ A.M. Maximum Temperature 118<sup>0</sup>  
 Initial Hydrostatic Pressure (A) 2614 P.S.I.  
 Initial Flow Period Minutes 30 (B) 44 P.S.I. to (C) 49 P.S.I.  
 Initial Closed In Period Minutes 60 (D) 120 P.S.I.  
 Final Flow Period Minutes 30 (E) 52 P.S.I. to (F) 52 P.S.I.  
 Final Closed In Period Minutes 75 (G) 130 P.S.I.  
 Final Hydrostatic Pressure (H) 2522 P.S.I.

# WESTERN TESTING CO., INC.

## Pressure Data

Date 11/5/79 Test Ticket No. 4022  
 Recorder No. 5673 Capacity 5400 Location 5208 Ft.  
 Clock No. --- Elevation 2307 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2614	P.S.I.	4:25 A	M
B First Initial Flow Pressure	44	P.S.I.	30	30
C First Final Flow Pressure	49	P.S.I.	60	60
D Initial Closed-in Pressure	120	P.S.I.	30	30
E Second Initial Flow Pressure	52	P.S.I.	80	75
F Second Final Flow Pressure	52	P.S.I.		
G Final Closed-in Pressure	130	P.S.I.		
H Final Hydrostatic Mud	2522	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: 20 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

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

**Final Shut-In**  
 Breakdown: 25 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	44	0	49	0	52	0	52
P 2 5	44	3	52	5	52	3	55
P 3 10	44	6	55	10	52	6	57
P 4 15	44	9	60	15	52	9	62
P 5 20	44	12	66	20	52	12	63
P 6 25	46	15	70	25	52	15	66
P 7 30	49	8	76	30	52	18	68
P 8		21	78			21	74
P 9		24	82			24	77
P10		27	85			27	82
P11		30	89			30	85
P12		33	90			33	87
P13		36	96			36	90
P14		39	98			39	96
P15		42	103			42	98
P16		45	107			45	101
P17		48	109			48	104
P18		51	112			51	108
P19		54	115			54	109
P20		57	117			57	112
		60	120			60	115

**WESTERN JESTING CO., INC.**

**Pressure Data**

Date 11/5/79 Test Ticket No. 4022  
 Recorder No. 5673 Capacity 5400 Location 5208 Ft.  
 Clock No. --- Elevation 2307 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2614	P.S.I.	4:25 A	M
B First Initial Flow Pressure	44	P.S.I.	30	30 Mins.
C First Final Flow Pressure	49	P.S.I.	60	60 Mins.
D Initial Closed-in Pressure	120	P.S.I.	30	30 Mins.
E Second Initial Flow Pressure	52	P.S.I.	80	75 Mins.
F Second Final Flow Pressure	52	P.S.I.		
G Final Closed-in Pressure	130	P.S.I.		
H Final Hydrostatic Mud	2522	P.S.I.		

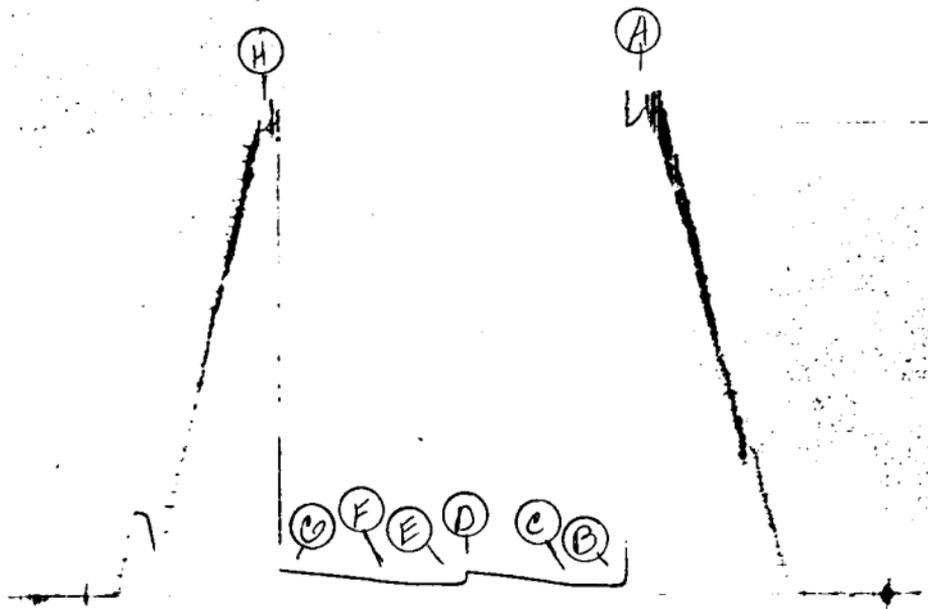
**PRESSURE BREAKDOWN**

<p><b>First Flow Pressure</b>                  Breakdown: <u>6</u> Inc.                  of <u>5</u> mins. and a                  final inc. of <u>0</u> Min.</p>	<p><b>Initial Shut-In</b>                  Breakdown: <u>20</u> Inc.                  of <u>3</u> mins. and a                  final inc. of <u>0</u> Min.</p>	<p><b>Second Flow Pressure</b>                  Breakdown: <u>6</u> Inc.                  of <u>5</u> mins. and a                  final inc. of <u>0</u> Min.</p>	<p><b>Final Shut-In</b>                  Breakdown: <u>25</u> Inc.                  of <u>3</u> mins. and a                  final inc. of <u>0</u> Min.</p>
---	--	--	--

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	117
P 2						66	120
P 3						69	125
P 4						72	127
P 5						75	130
P 6							
P 7							
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TRK # 4022  
I

1# / SCACHT 2  
DST 2





WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 4023

P. O. BOX 1599 PHONE (316) 838-0601 WICHITA, KANSAS 67201

Elevation 2307 K.B. Formation MISS. Eff. Pay Ft.

District PRATT Date 11-6-79 Customer Order No. COMPANY NAME PICKRELL DRILLING CO. ADDRESS #1 SEVENTH C. LITTON BLDG SUITE 205 WICHITA LEASE AND WELL NO. #1 SEVENTH C. COUNTY CLARK STATE KS. Sec. 29 Twp. 30S Rge. 21W Mail Invoice To SAME Co. Name SAME Address SAME No. Copies Requested Reg. Mail Charts To SAME Address SAME No. Copies Requested Reg.

Formation Test No. 3 Interval Tested from 5216 ft. to 5270 ft. Total Depth 5270 ft. Packer Depth 5211 ft. Size 6 3/4 in. Packer Depth 5216 ft. Size 6 3/4 in. Packer Depth 5216 ft. Size 6 3/4 in. Depth of Selective Zone Set

Top Recorder Depth (Inside) 5232 ft. Recorder Number 5673 Cap. 5400 Bottom Recorder Depth (Outside) 5235 ft. Recorder Number 6246 Cap. 5200 Below Straddle Recorder Depth ft. Recorder Number Cap. Drilling Contractor Co-Tools #1 Drill Collar Length 210 I. D. 2.1 in. Mud Type DRIS PAC Viscosity 51 Weight 9 Water Loss 208 cc. Drill Pipe Length 4978 I. D. 3.8 in. Chlorides 29,000 P.P.M. Test Tool Length 28' 0" 28' 0" Tool Size 5 1/2 O.D. in. Jars: Make W.T.C. Serial Number Anchor Length 29' 0" 25' 0" Size 5 1/2 O.D. in. Did Well Flow? Reversed Out Surface Choke Size 3/4 in. Bottom Choke Size 1/4 in. Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: MIS-Run - PACKERS WOULDN'T HOLD. Recovered ft. of. Tried to set packers three times. Recovered ft. of. Recovered ft. of. Recovered ft. of. Recovered ft. of.

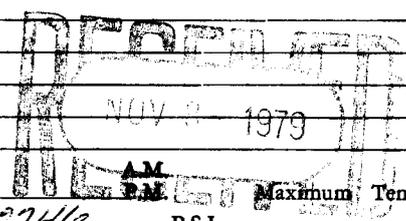


Table with columns: Time Set Packer(s), A.M./P.M., Time Started Off Bottom, Maximum Temperature. Rows include Initial Hydrostatic Pressure (2746 P.S.I.), Initial Flow Period (30 minutes), Initial Closed In Period (60 minutes), Final Flow Period, Final Closed In Period, and Final Hydrostatic Pressure (2508 P.S.I.).

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages 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, of 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 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

Western Representative [Signature] Thank you

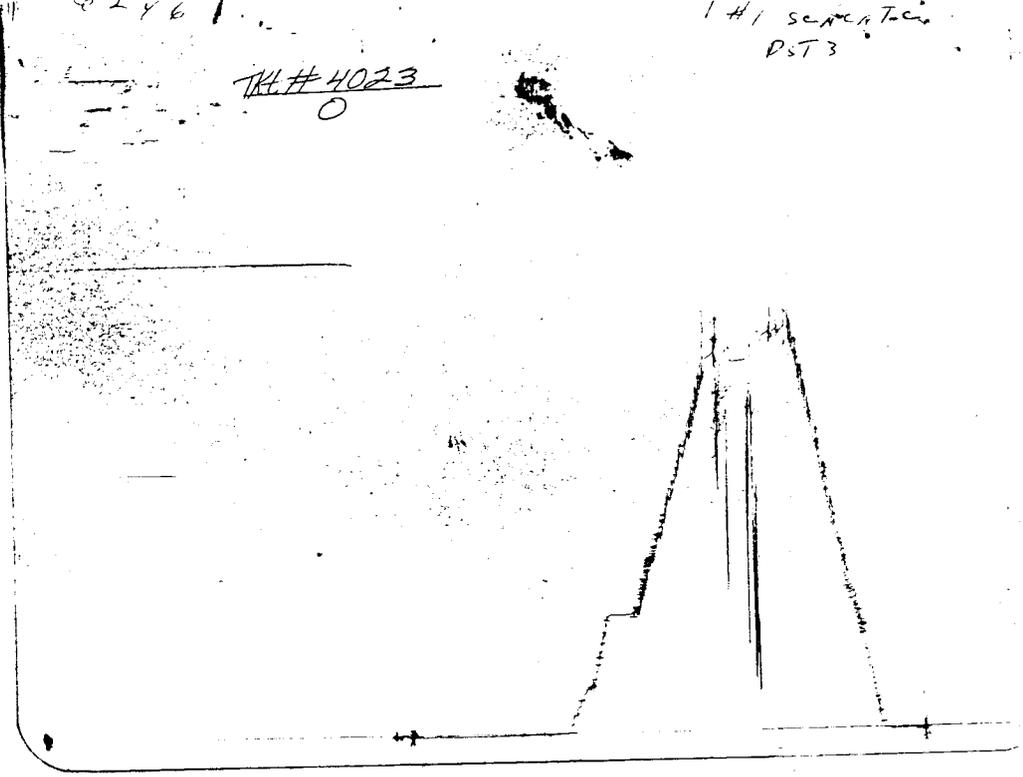
FIELD INVOICE

Table with columns: Item, Price. Items include Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Fluid Sampler, Extra Charts, and TOTAL (\$585.00).

8246

1 #1 SCHEMATIC  
DST 3

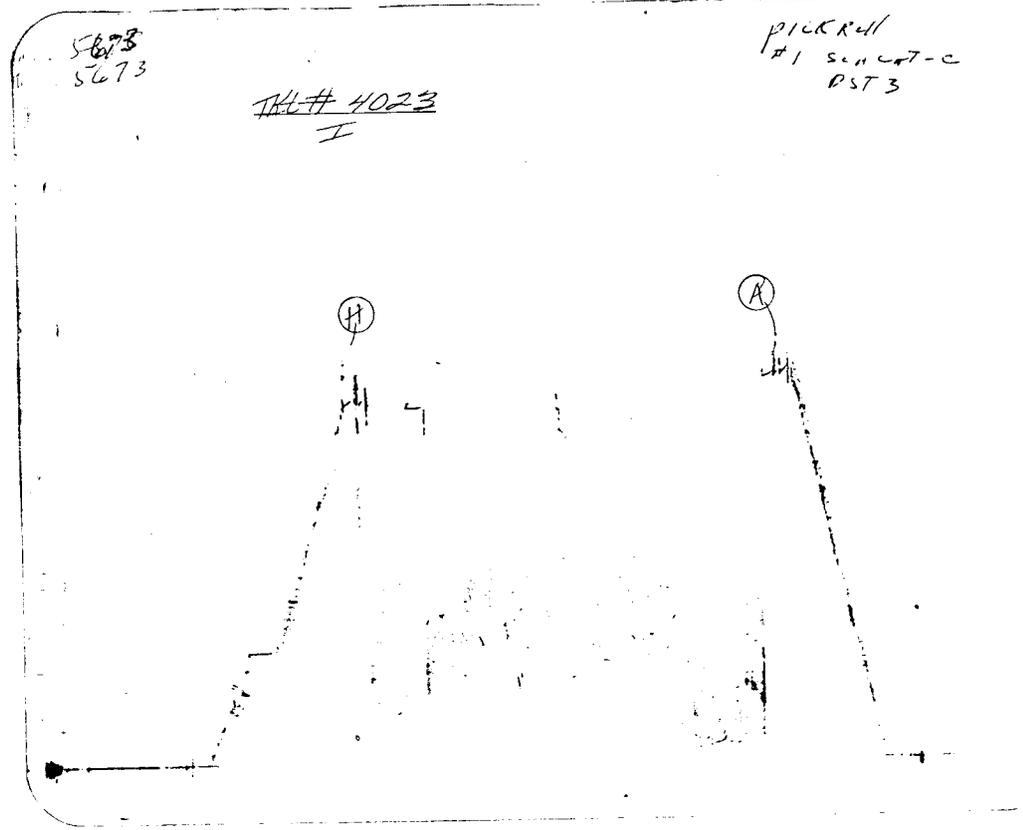
TRK # 4023  
O



5673  
5673

PICKUP  
#1 SCHEMATIC  
DST 3

TRK # 4023  
I



Company Pickrell Drilling Company Lease & Well No. Seacat "C" #1  
 Elevation 2307 Kelly Bushing Mississippi Formation ----- Effective Pay ----- Ft. Ticket No. 4023  
 Date 11/6/79 Sec. 29 Twp. 30S Range 21W County Clark State Kansas  
 Test Approved by Mike G. Russell Western Representative Dave Sloan

Formation Test No. 3 Interval Tested from 5216 ft. to 5270 ft. Total Depth 5270 ft.  
 Packer Depth 5211 ft. Size 6 3/4 in. Packer Depth --- ft. Size -- in.  
 Packer Depth 5216 ft. Size 6 3/4 in. Packer Depth --- ft. Size -- in.  
 Depth of Selective Zone Set ---  
 Top Recorder Depth (Inside) 5232 ft. Recorder Number 5673 Cap. 5400  
 Bottom Recorder Depth (Outside) 5235 ft. Recorder Number 6246 Cap. 5200  
 Below Straddle Recorder Depth --- ft. Recorder Number --- Cap. ---  
 Drilling Contractor Pickrell Drilling Company Drill Collar Length 210 I. D. 2.2 in.  
 Mud Type drispac Viscosity 51 Weight Pipe Length --- I. D. --- in.  
 Weight 9 Water Loss 20.8 cc. Drill Pipe Length 4978 I. D. 3.8 in.  
 Chlorides 29,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.  
 Jars: Make WTC Serial Number 402 Anchor Length 29' DC+25 ft. Size 5 1/2 OD in.  
 Did Well Flow? --- Reversed Out --- Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: MISRUN PACKERS WOULDN'T HOLD  
TRIED TO SET PACKERS THREE TIMES.

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_  
 \_\_\_\_\_

Time Set Packer(s)	A.M. P.M.	Time Started Off Bottom	A.M. P.M.	Maximum Temperature
Initial Hydrostatic Pressure		(A) _____	<u>2746</u> P.S.I.	
Initial Flow Period		Minutes <u>30</u> (B) _____	--- P.S.I. to (C) _____	--- P.S.I.
Initial Closed In Period		Minutes <u>60</u> (D) _____	--- P.S.I.	
Final Flow Period		Minutes _____ (E) _____	--- P.S.I. to (F) _____	--- P.S.I.
Final Closed In Period		Minutes _____ (G) _____	--- P.S.I.	
Final Hydrostatic Pressure		(H) _____	<u>2508</u> P.S.I.	



Home Office: Wichita, Kansas 67201

P. O. Box 1599

(316) 838-0601

Pickrell Drilling Company

Cowen "A" #1

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_

Elevation 2038 Kelly Bushing Formation Lansing Effective Pay ---- Ft. Ticket No. 3918

Date 11/6/79 Sec. 5 Twp. 28S Range 14W County Pratt State Kansas

Test Approved by Harlan B. Dixon Western Representative Roger Lisenby

Formation Test No. 3 Interval Tested from 4152 ft. to 4175 ft. Total Depth 4175 ft.

Packer Depth 4147 ft. Size 6 3/4 in. Packer Depth 4152 ft. Size 6 3/4 in.

Packer Depth -- ft. Size --- in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4163 ft. Recorder Number 3085 Cap. 4500

Bottom Recorder Depth (Outside) 4169 ft. Recorder Number 1564 Cap. 3150

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Pickrell Drilling Company Rig #10 Drill Collar Length -- I. D. -- in.

Mud Type premix Viscosity 42 Weight Pipe Length 566 I. D. 2.7 in.

Weight 9.2 Water Loss 11.2 cc. Drill Pipe Length 3565 I. D. 3.8 in.

Chlorides 26,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.

Jars: Make -- Serial Number -- Anchor Length 23 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out no Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak blow increasing to 1/2" to 1/2" deep in bucket first opening. Blow increasing from 1/2" to 3 1/2" in bucket final opening.

Recovered 100 ft. of gas in pipe

Recovered 20 ft. of oil and gas cut muddy water

Recovered 60 ft. of muddy water

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of Chlorides 63,000 ppm

Remarks: \_\_\_\_\_

Time Set Packer(s) 1:30 <sup>AM</sup> P.M. Time Started Off Bottom 5:33 <sup>AM</sup> P.M. Maximum Temperature 117<sup>0</sup>

Initial Hydrostatic Pressure \_\_\_\_\_ (A) 2093 P.S.I.

Initial Flow Period \_\_\_\_\_ Minutes 30 (B) 22 P.S.I. to (C) 22 P.S.I.

Initial Closed In Period \_\_\_\_\_ Minutes 60 (D) 1514 P.S.I.

Final Flow Period \_\_\_\_\_ Minutes 90 (E) 38 P.S.I. to (F) 65 P.S.I.

Final Closed In Period \_\_\_\_\_ Minutes 60 (G) 1500 P.S.I.

Final Hydrostatic Pressure \_\_\_\_\_ (H) 2050 P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

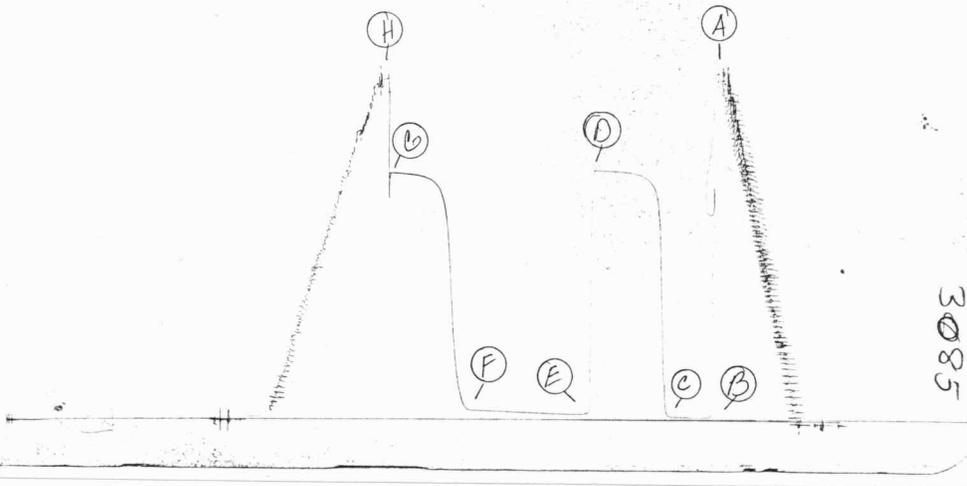
Date 11/6/79 Recorder No. 3085 Capacity 4500 Test Ticket No. 3918  
 Clock No. --- Elevation 2038 Kelly Bushing Location 4163 Ft. ---  
 Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2093	P.S.I.	1:30P	M
B First Initial Flow Pressure	22	P.S.I.	30	30 Mins.
C First Final Flow Pressure	22	P.S.I.	60	60 Mins.
D Initial Closed-in Pressure	1514	P.S.I.	90	90 Mins.
E Second Initial Flow Pressure	38	P.S.I.	60	60 Mins.
F Second Final Flow Pressure	65	P.S.I.		
G Final Closed-in Pressure	1500	P.S.I.		
H Final Hydrostatic Mud	2050	P.S.I.		

**PRESSURE BREAKDOWN**

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>18</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.	Point Minutes	Press.	Point Minutes
1	22	0	22	0
2	22	3	33	3
3	22	6	198	6
4	22	9	519	9
5	22	12	1162	12
6	22	15	1379	15
7	22	18	1435	18
8		21	1461	21
9		24	1479	24
10		27	1486	27
11		30	1494	30
12		33	1500	33
13		36	1502	36
14		39	1505	39
15		42	1507	42
16		45	1509	45
17		48	1510	48
18		51	1511	51
19		54	1512	54
20		57	1513	57
		60	1514	60

TKL #3918  
I





O. BOX 1599 PHONE (316) 838-0601  
WICHITA, KANSAS 67201

WESTERN TESTING CO., INC.  
FORMATION TESTING

TICKET No 4024

Elevation 2307 K.B. Formation MISS. Eff. Pay      Ft.

District PRATT Date 11-6-79 Customer Order No.     

COMPANY NAME Pickrell Drilling Co.  
ADDRESS Litwin Bldg Santa Rosa Wichita  
LEASE AND WELL NO. #1 SCARAT-C COUNTY CLARK STATE Ks. Sec 29 Twp 30S Rge 21W

Mail Invoice To      Co. Name      Address      No. Copies Requested       
Mail Charts To      Address      No. Copies Requested     

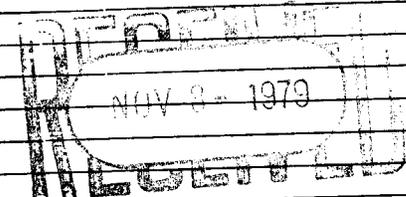
Formation Test No. 4 Interval Tested from 5227 ft. to 5270 ft. Total Depth 5270 ft.  
Packer Depth 5222 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Packer Depth 5227 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Depth of Selective Zone Set       
Top Recorder Depth (Inside) 5232 ft. Recorder Number 5673 Cap. 8400  
Bottom Recorder Depth (Outside) 5235 ft. Recorder Number 6246 Cap. 5200  
Below Straddle Recorder Depth      ft. Recorder Number      Cap.     

Drilling Contractor Co-Tools #1 Drill Collar Length 210 I. D. 2.2 in.  
Mud Type DRIS pac Viscosity 51 Weight Pipe Length      I. D.      in.  
Weight 9 Water Loss 20.8 cc. Drill Pipe Length 4989 I. D. 3.8 in.  
Chlorides 29,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 O.D.  
Jars: Make WITIC. Serial Number      Anchor Length 43 ft. Size 5 1/2 O.D.  
Did Well Flow? NO Reversed Out      Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
Main Hole Size 7/8 in. Tool Joint Size 4 1/2 X-11 in.

Blow: WEAK Blow dying 25 min. Initial Flow Period  
WEAK Blow dying 15 min. Final Flow Period

Recovered 10 ft. of DRlg. mud  
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Remarks:     



Time Set Packer(s) <u>11:50</u> A.M. P.M.	Time Started Off Bottom <u>2:50</u> A.M. P.M.	Maximum Temperature <u>118</u>
Initial Hydrostatic Pressure <u>    </u> (A) <u>2537</u> P.S.I.	Initial Flow Period <u>30</u> Minutes (B) <u>27</u> P.S.I.	to (C) <u>27</u> P.S.I.
Initial Closed In Period <u>    </u> Minutes (D) <u>1132</u> P.S.I.	Final Flow Period <u>30</u> Minutes (E) <u>40</u> P.S.I.	to (F) <u>40</u> P.S.I.
Final Closed In Period <u>    </u> Minutes (G) <u>532</u> P.S.I.	Final Hydrostatic Pressure <u>    </u> (H) <u>2524</u> P.S.I.	

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages 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, of 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 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature]  
Signature of Customer or his authorized representative

Western Representative [Signature]  
Thank you

FIELD INVOICE

Open Hole Test	\$ <u>2600.00</u>
Misrun	\$ <u>    </u>
Straddle Test	\$ <u>    </u>
Jars	\$ <u>275.00</u>
Selective Zone	\$ <u>    </u>
Safety Joint	\$ <u>35.00</u>
Standby	\$ <u>    </u>
Evaluation	\$ <u>    </u>
Extra Packer	\$ <u>    </u>
Circ. Sub.	\$ <u>    </u>
Mileage <u>6</u> mi.	\$ <u>    </u>
Fluid Sampler	\$ <u>    </u>
Extra Charts	\$ <u>    </u>
TOTAL	\$ <u>910.00</u>

# WESTERN TESTING CO., INC.

## Pressure Data

Test Ticket No. 4024  
 Location 5232 Ft.  
 Capacity 5400  
 Well Temperature 118 °F  
 Order No. 5673  
 Elevation 2307 KB  
 Date 11-6-79  
 Time Given 11:50 A M  
 Time Computed \_\_\_\_\_

Initial Hydrostatic Mud 2551 P.S.I.  
 First Initial Flow Pressure 38 P.S.I.  
 First Final Flow Pressure 36 P.S.I.  
 Initial Closed-in Pressure 1157 P.S.I.  
 Second Initial Flow Pressure 60 P.S.I.  
 Second Final Flow Pressure 68 P.S.I.  
 Final Closed-in Pressure 555 P.S.I.  
 Final Hydrostatic Mud 2524 P.S.I.

Open Tool  
 First Flow Pressure 30 Mins. 30 Mins.  
 Initial Closed-in Pressure 60 Mins. 60 Mins.  
 Second Flow Pressure 30 Mins. 30 Mins.  
 Final Closed-in Pressure 60 Mins. 60 Mins.

### PRESSURE BREAKDOWN

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

Initial Shut-In  
 Breakdown: 20 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

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

Final Shut-In  
 Breakdown: 20 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

Point Mins.	Press.
P 1 0	38
P 2 5	38
P 3 10	36
P 4 15	
P 5 20	
P 6 25	
P 7 30	36
P 8 35	
P 9 40	
P 10 45	
P 11 50	
P 12 55	
P 13 60	
P 14	
P 15	
P 16	
P 17	
P 18	
P 19	
P 20	

Point Minutes	Press.
0	36
3	90
6	134
9	148
12	197
15	240
18	295
21	369
24	451
27	516
30	601
33	672
36	754
39	811
42	880
45	940
48	995
51	1045
54	1097
57	1147
60	1157

Point Minutes	Press.
0	60
5	60
10	60
15	66
20	68
25	79
30	68
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	

Point Minutes	Press.
0	68
3	68
6	68
9	82
12	96
15	79
18	215
21	213
24	221
27	246
30	268
33	301
36	331
39	366
42	396
45	421
48	445
51	470
54	508
57	531
60	555

Company Pickrell Drilling Company Lease & Well No. Seacat "C" #1  
 Elevation 2307 Kelly Bushing Formation Mississippi Effective Pay ---- Ft. Ticket No. 4024  
 Date 11/6/79 Sec. 29 Twp. 30S Range 21W County Clark State Kansas  
 Test Approved by Mike G. Russell Western Representative Dave Sloan

Formation Test No. 4 Interval Tested from 5227 ft. to 5270 ft. Total Depth 5270 ft.  
 Packer Depth 5222 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 5227 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 5232 ft. Recorder Number 5673 Cap. 5400  
 Bottom Recorder Depth (Outside) 5235 ft. Recorder Number 6246 Cap. 5200  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Pickrell Drilling Rig #1 Drill Collar Length 210 I. D. 2.2 in.  
 Mud Type drispac Viscosity 51 Weight Pipe Length -- I. D. - in.  
 Weight 9 Water Loss 20.8 cc. Drill Pipe Length 4989 I. D. 3.8 in.  
 Chlorides 29,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.  
 Jars: Make WTC Serial Number 402 Anchor Length 43 ft. Size 5 1/2 in.  
 Did Well Flow? No Reversed Out \_\_\_\_\_ Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Weak blow dying in twenty - five minutes on initial flow period. Weak blow, dying fifteen minutes on final flow period.

Recovered 10 ft. of drilling mud  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

Time Set Packer(s) 11:50 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 2:50 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 118<sup>0</sup>  
 Initial Hydrostatic Pressure ..... (A) 2551 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 38 P.S.I. to (C) 36 P.S.I.  
 Initial Closed In Period ..... Minutes 60 (D) 1157 P.S.I.  
 Final Flow Period ..... Minutes 30 (E) 60 P.S.I. to (F) 68 P.S.I.  
 Final Closed In Period ..... Minutes 60 (G) 555 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 2524 P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

4024

Date 11/6/79 Test Ticket No. 5232  
 Recorder No. 5673 Capacity 5400 Location 118 Ft.  
 Clock No. --- Elevation 2307 Kelly Bushing Well Temperature \_\_\_\_\_ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2551	P.S.I.	11:50A	M
B First Initial Flow Pressure	38	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	36	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	1157	P.S.I.	30	Mins. 30 Mins.
E Second Initial Flow Pressure	60	P.S.I.	60	Mins. 60 Mins.
F Second Final Flow Pressure	68	P.S.I.		
G Final Closed-in Pressure	555	P.S.I.		
H Final Hydrostatic Mud	2524	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>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	0	0	38	0	60	0	68
P 2	5	3	90	5	60	3	68
P 3	10	6	134	10	60	6	68
P 4	15	9	148	15	66	9	82
P 5	20	12	197	20	68	12	96
P 6	25	15	240	25	79	15	79
P 7	30	18	295	30	68	18	215
P 8		21	369			21	213
P 9		24	451			24	221
P10		27	516			27	246
P11		30	601			30	268
P12		33	672			33	301
P13		36	754			36	331
P14		39	811			39	366
P15		42	880			42	396
P16		45	940			45	421
P17		48	995			48	445
P18		51	1045			51	470
P19		54	1097			54	508
P20		57	1141			57	531
		60	1157			60	555

5673

PICKRELL  
#1 SCITCHAT C  
PST 9

TR # 4024  
I

