



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 4699

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

Elevation 2094 KB Formation K.C. Eff. Pay Ft.

District Wakeeney Date 6-16-80 Customer Order No.

COMPANY NAME Price Exploration Company

ADDRESS 412 Mayo Bldg. Tulsa, Okla 74103

LEASE AND WELL NO. Dawe #1 COUNTY Rocks STATE Ks Sec. 20 Twp 10S Rge 18W

Mail Invoice To Same Co. Name Address No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 3508 ft. to 3590 ft. Total Depth 3590 ft. Packer Depth 3503 ft. Size 6 3/4 in. Packer Depth 3508 ft. Size 6 3/4 in.

Top Recorder Depth (Inside) 3581 ft. Recorder Number 1564 Cap. 3150 Bottom Recorder Depth (Outside) 3584 ft. Recorder Number 3085 Cap. 4500 Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Shields Rig # 2 Mud Type Starck Viscosity 43 Weight 9.7 Water Loss 10.2 cc. Chlorides 23,000 P.P.M. Jars: Make NO Serial Number Did Well Flow? NO Reversed Out NO Drill Collar Length I. D. Weight Pipe Length I. D. 2.76 in. FH Drill Pipe Length 2734 I. D. 3.8 in. FH Test Tool Length 19 ft. Tool Size 5 1/2 in. Anchor Length 82 ft. Size 5 1/2 in. Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in. Main Hole Size 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Very Weak Blow Died in 20 min 1st Open

Recovered 15 ft. of Mud with Trace of Oil at Top + in Tool Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of

Remarks: On Loc. 9:00 PM Pick up Tool 10:45 PM Left Loc.

Table with 4 columns: Time Set Packer(s), A.M. P.M., Time Started Off Bottom, A.M. P.M., Maximum Temperature. Rows include Initial Hydrostatic Pressure, Initial Flow Period, Initial Closed In Period, Final Flow Period, Final Closed In Period, Final Hydrostatic Pressure.

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.

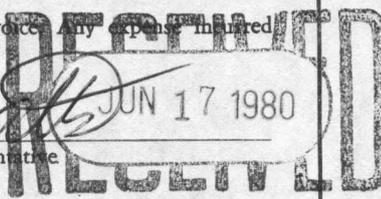
All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Signature of Customer or his authorized representative

Western Representative Ken Metzler Thank you!

FIELD INVOICE

Table with 2 columns: Item, Amount. Items include Open Hole Test (\$550.00), Mileage 55m (\$41.25), TOTAL (\$591.25).



WESTERN TESTING CO., INC.
Pressure Data

ate 6-16-80 Test Ticket No. 4699
 order No. 1564 Capacity 3150 Location 3581 Ft.
 ock No. _____ Elevation 2094 KB Well Temperature 107 °F

Point	Pressure	Open Tool	Time Given	Time Computed
Initial Hydrostatic Mud	<u>1922</u> P.S.I.		<u>12:27</u> A.M.	
First Initial Flow Pressure	<u>100</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
First Final Flow Pressure	<u>74</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
Initial Closed-in Pressure	<u>612</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
Second Initial Flow Pressure	<u>91</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
Second Final Flow Pressure	<u>78</u> P.S.I.			
Final Closed-in Pressure	<u>302</u> P.S.I.			
Final Hydrostatic Mud	<u>1914</u> P.S.I.			

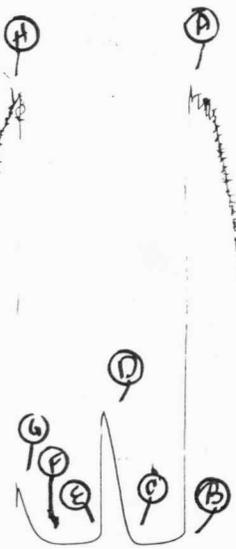
PRESSURE BREAKDOWN

Point ins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>6</u>		of <u>10</u>		of <u>6</u>		of <u>10</u>	
	mins. and a		mins. and a		mins. and a		mins. and a	
	final inc. of <u>0</u>		final inc. of <u>0</u>		final inc. of <u>0</u>		final inc. of <u>0</u>	
	Min.		Min.		Min.		Min.	
	Point	Press.	Point	Press.	Point	Press.	Point	Press.
	Minutes		Minutes		Minutes		Minutes	
1	<u>0</u>	<u>100</u>	<u>0</u>	<u>74</u>	<u>0</u>	<u>91</u>	<u>0</u>	<u>78</u>
2	<u>5</u>	<u>97</u>	<u>3</u>	<u>76</u>	<u>5</u>	<u>87</u>	<u>3</u>	<u>78</u>
3	<u>10</u>	<u>85</u>	<u>6</u>	<u>86</u>	<u>10</u>	<u>81</u>	<u>6</u>	<u>83</u>
4	<u>15</u>	<u>80</u>	<u>9</u>	<u>113</u>	<u>15</u>	<u>78</u>	<u>9</u>	<u>90</u>
5	<u>20</u>	<u>77</u>	<u>12</u>	<u>162</u>	<u>20</u>	<u>76</u>	<u>12</u>	<u>101</u>
6	<u>25</u>	<u>74</u>	<u>15</u>	<u>239</u>	<u>25</u>	<u>76</u>	<u>15</u>	<u>119</u>
7	<u>30</u>	<u>74</u>	<u>18</u>	<u>333</u>	<u>30</u>	<u>78</u>	<u>18</u>	<u>145</u>
8	<u>35</u>		<u>21</u>	<u>420</u>	<u>35</u>		<u>21</u>	<u>189</u>
9	<u>40</u>		<u>24</u>	<u>508</u>	<u>40</u>		<u>24</u>	<u>229</u>
10	<u>45</u>		<u>27</u>	<u>582</u>	<u>45</u>		<u>27</u>	<u>283</u>
11	<u>50</u>		<u>30</u>	<u>612</u>	<u>50</u>		<u>30</u>	<u>302</u>
12	<u>55</u>		<u>33</u>		<u>55</u>		<u>33</u>	
13	<u>60</u>		<u>36</u>		<u>60</u>		<u>36</u>	
14			<u>39</u>		<u>65</u>		<u>39</u>	
15			<u>42</u>		<u>70</u>		<u>42</u>	
16			<u>45</u>		<u>75</u>		<u>45</u>	
17			<u>48</u>		<u>80</u>		<u>48</u>	
18			<u>51</u>		<u>85</u>		<u>51</u>	
19			<u>54</u>		<u>90</u>		<u>54</u>	
20			<u>57</u>				<u>57</u>	
			<u>60</u>				<u>60</u>	

JKT # 4499

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1564



Company Price Exploration Company Lease & Well No. Dauwe #1
 Elevation 2094 Kelly Bushing Formation Kansas City Effective Pay ----- Ft. Ticket No. 4699
 Date 6/16/80 Sec. 20 Twp. 10S Range 18W County Rooks State Kansas
 Test Approved by M. L. Ratts Western Representative Ken Metzler

Formation Test No. 1 Interval Tested from 3508 ft. to 3590 ft. Total Depth 3590 ft.
 Packer Depth 3503 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3508 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3581 ft. Recorder Number 1564 Cap. 3150
 Bottom Recorder Depth (Outside) 3584 ft. Recorder Number 3085 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Shields Drilling Rig #2 Drill Collar Length - I. D. - in.
 Mud Type starch Viscosity 43 Weight Pipe Length 887 I. D. 2.76 in. Fh
 Weight 9.7 Water Loss 10.2 cc. Drill Pipe Length 2734 I. D. 3.8 in. FH
 Chlorides 23,000 P.P.M. Test Tool Length 19 ft. Tool Size 5 1/2 in.
 Jars: Make No Serial Number - Anchor Length 82 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: Very weak blow died in twenty minutes on first opening.

Recovered 15 ft. of mud with trace of oil at top and in tool.
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 12:27 ^{A.M.}/_{P.M.} Time Started Off Bottom 2:30 ^{A.M.}/_{P.M.} Maximum Temperature 107°
 Initial Hydrostatic Pressure (A) 1922 P.S.I.
 Initial Flow Period Minutes 30 (B) 100 P.S.I. to (C) 74 P.S.I.
 Initial Closed In Period Minutes 30 (D) 612 P.S.I.
 Final Flow Period Minutes 30 (E) 91 P.S.I. to (F) 78 P.S.I.
 Final Closed In Period Minutes 30 (G) 302 P.S.I.
 Final Hydrostatic Pressure (H) 1914 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 6-16-80

Test Ticket No. 4699

Recorder No. 1564 Capacity 3150

Location 3581 Ft.

Clock No. _____ Elevation 2094 Kelly Bushing

Well Temperature 107 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1922	P.S.I.	12:27A M	
B First Initial Flow Pressure	100	P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	74	P.S.I.	30 Mins.	30 Mins.
D Initial Closed-in Pressure	612	P.S.I.	30 Mins.	30 Mins.
E Second Initial Flow Pressure	91	P.S.I.	30 Mins.	30 Mins.
F Second Final Flow Pressure	78	P.S.I.		
G Final Closed-in Pressure	302	P.S.I.		
H Final Hydrostatic Mud	1914	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: 10 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: 10 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	100	0	74	0	91	0	78
P 2 5	97	3	76	5	87	3	78
P 3 10	85	6	86	10	81	6	83
P 4 15	80	9	113	15	78	9	90
P 5 20	77	12	162	20	76	12	101
P 6 25	74	15	239	25	76	15	119
P 7 30	74	18	333	30	78	18	145
P 8		21	420			21	189
P 9		24	508			24	229
P10		27	582			27	283
P11		30	612			30	302
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							