



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 7073

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

Elevation 1878KB Formation Arbuckle Eff. Pay - Ft.

District Great Bend Date 8-26-80 Customer Order No. -

COMPANY NAME Petroleum Energy Inc.

ADDRESS One twenty Bldg. Suite 710, Wichita, Kansas 67202

LEASE AND WELL NO. Disque #1 "C" COUNTY Barton STATE Kansas Sec. 3 Twp. 17 Rge. 11

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

Mail Charts To Same as above Co. Name Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 3282 ft. to 3296 ft. Total Depth 3296 ft. Packer Depth 3277 ft. Size 6 7/8 in. Packer Depth 3282 ft. Size 6 7/8 in.

Top Recorder Depth (Inside) 3286 ft. Recorder Number 6074 Cap 5100 Bottom Recorder Depth (Outside) 3289 ft. Recorder Number 1563 Cap 4200 Below Straddle Recorder Depth Recorder Number Cap

Drilling Contractor Allen Drgr. Co. Rig #1 Mud Type Starch-Salt Clay Viscosity 48 Weight 9.8 Water Loss 11.2 cc Chlorides 68,000 P.P.M. Jars: Make No Serial Number Did Well Flow? No Reversed Out Drill Collar Length I. D. Weight Pipe Length I. D. Drill Pipe Length 3261 I. D. 3.8 Test Tool Length 21 ft. Tool Size 5 1/2 in. Anchor Length 14 ft. Size 5 1/2 in. 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: Strong blow throughout initial flow period. Good blow throughout flow period.

Recovered 540 ft. of Gas in pipe Recovered 240 ft. of Oil Gravity 44 @ 60 Recovered 270 ft. of Mud cut oil Recovered ft. of Recovered ft. of Remarks:

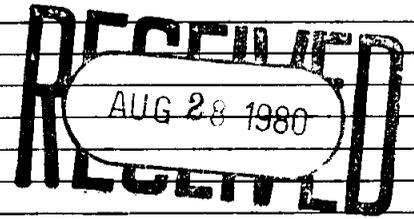


Table with 4 columns: Time Set Packer(s), Time Started Off Bottom, Maximum Temperature, and P.S.I. values for various tests (A-H).

COMPANY TERMS New Rubber

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 Vernon Woudra Thank You

FIELD INVOICE

Table listing items and costs: Open Hole Test \$550.00, Mileage 27 miles \$20.25, TOTAL \$570.25

WESTERN TESTING CO., INC.

Pressure Data

Date 8-24 Test Ticket No. 7073  
 Recorder No. 6074 Capacity 5100 Location 3286 Ft.  
 Clock No.        Elevation 1878 KB Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1737</u>	P.S.I.	<u>7:35 P</u>	<u>      </u>
B First Initial Flow Pressure	<u>44</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>100</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>913</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>127</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>168</u>	P.S.I.		
G Final Closed-in Pressure	<u>836</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1729</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure  
 Breakdown: 9 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

Initial Shut-In  
 Breakdown: 15 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

Second Flow Pressure  
 Breakdown: 9 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

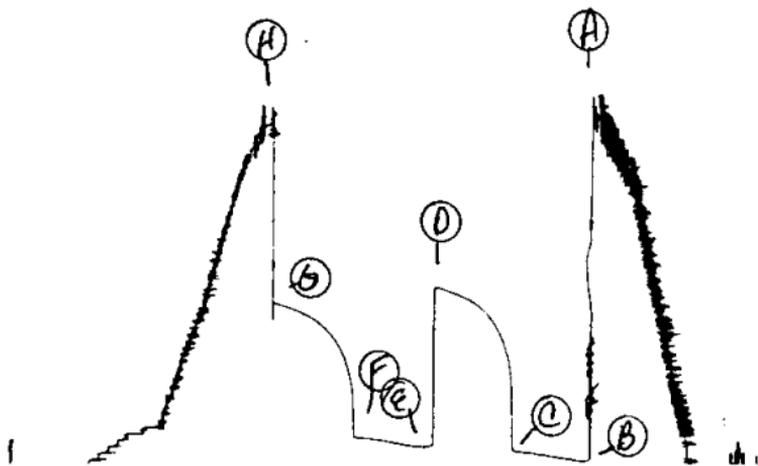
Final Shut-In  
 Breakdown: 15 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>46</u>	0	<u>100</u>	0	<u>127</u>	0	<u>168</u>
P 2 5	<u>51</u>	3	<u>538</u>	5	<u>122</u>	3	<u>480</u>
P 3 10	<u>59</u>	6	<u>627</u>	10	<u>134</u>	6	<u>560</u>
P 4 15	<u>67</u>	9	<u>696</u>	15	<u>132</u>	9	<u>622</u>
P 5 20	<u>72</u>	12	<u>739</u>	20	<u>141</u>	12	<u>662</u>
P 6 25	<u>81</u>	15	<u>773</u>	25	<u>148</u>	15	<u>696</u>
P 7 30	<u>89</u>	18	<u>803</u>	30	<u>156</u>	18	<u>724</u>
P 8 35	<u>93</u>	21	<u>824</u>	35	<u>160</u>	21	<u>742</u>
P 9 40	<u>99</u>	24	<u>842</u>	40	<u>164</u>	24	<u>762</u>
P10 45	<u>100</u>	27	<u>858</u>	45	<u>168</u>	27	<u>775</u>
P11 50		30	<u>870</u>	50		30	<u>790</u>
P12 55		33	<u>882</u>	55		33	<u>801</u>
P13 60		36	<u>891</u>	60		36	<u>811</u>
P14		39	<u>901</u>	65		39	<u>821</u>
P15		42	<u>909</u>	70		42	<u>829</u>
P16		45	<u>913</u>	75		45	<u>836</u>
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

JKT # 9073

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Company Petroleum Energy, Inc. Lease & Well No. Disque 'C' #1  
 Elevation 1878 Kelly Bushing Formation Arbuckle Effective Pay ---- Ft. Ticket No. 7073  
 Date 8/26/80 Sec. 3 Twp. 17S Range 11W County Barton State Kansas  
 Test Approved by Dan Nixon Western Representative Vernon Wondra

Formation Test No. 1 Interval Tested from 3282 ft. to 3296 ft. Total Depth 3296 ft.  
 Packer Depth 3277 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 3282 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 3286 ft. Recorder Number 6074 Cap. 5100  
 Bottom Recorder Depth (Outside) 3289 ft. Recorder Number 1563 Cap. 4200  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Allen Drlg. Co. Rig #1 Drill Collar Length - I. D. - in.  
 Mud Type starch-salt-clay Viscosity 48 Weight Pipe Length - I. D. - in.  
 Weight 9.8 Water Loss 11.2 cc. Drill Pipe Length 3261 I. D. 3.8 in.  
 Chlorides 68,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.  
 Jars: Make - Serial Number - Anchor Length 14 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 FH in.

Blow: Strong blow throughout initial flow period. Good blow throughout final flow period.

Recovered 540 ft. of gas in pipe  
 Recovered 240 ft. of oil (gravity 44° 60°)  
 Recovered 270 ft. of mud cut oil  
 Recovered        ft. of         
 Recovered        ft. of       

Remarks:       

Time Set Packer(s) 7:35 ~~AM~~ P.M. Time Started Off Bottom 10:35 ~~AM~~ P.M. Maximum Temperature 116°  
 Initial Hydrostatic Pressure 1737 P.S.I. (A)  
 Initial Flow Period 45 Minutes (B) 46 P.S.I. to (C) 100 P.S.I.  
 Initial Closed In Period 45 Minutes (D) 913 P.S.I.  
 Final Flow Period 45 Minutes (E) 127 P.S.I. to (F) 168 P.S.I.  
 Final Closed In Period 45 Minutes (G) 836 P.S.I.  
 Final Hydrostatic Pressure 1729 P.S.I. (H)

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

Date 8/26/80 Test Ticket No. 7073  
 Recorder No. 6074 Capacity 5100 Location 3286 Ft.  
 Clock No. --- Elevation 1878 Kelly Bushing Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1737</u> P.S.I.	Open Tool	<u>7:35P</u> M	
B First Initial Flow Pressure	<u>46</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>100</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>913</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>127</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>168</u> P.S.I.			
G Final Closed-in Pressure	<u>836</u> P.S.I.			
H Final Hydrostatic Mud	<u>1729</u> P.S.I.			

**PRESSURE BREAKDOWN**

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In			
	Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.			
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>46</u>	<u>0</u>	<u>100</u>	<u>0</u>	<u>127</u>	<u>0</u>	<u>168</u>
P 2	<u>51</u>	<u>3</u>	<u>538</u>	<u>5</u>	<u>122</u>	<u>3</u>	<u>480</u>
P 3	<u>59</u>	<u>6</u>	<u>627</u>	<u>10</u>	<u>124</u>	<u>6</u>	<u>560</u>
P 4	<u>67</u>	<u>9</u>	<u>696</u>	<u>15</u>	<u>132</u>	<u>9</u>	<u>622</u>
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P 6	<u>81</u>	<u>15</u>	<u>773</u>	<u>25</u>	<u>148</u>	<u>15</u>	<u>696</u>
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P 8	<u>93</u>	<u>21</u>	<u>824</u>	<u>35</u>	<u>160</u>	<u>21</u>	<u>742</u>
P 9	<u>99</u>	<u>24</u>	<u>842</u>	<u>40</u>	<u>164</u>	<u>24</u>	<u>762</u>
P10	<u>100</u>	<u>27</u>	<u>858</u>	<u>45</u>	<u>168</u>	<u>27</u>	<u>775</u>
P11		<u>30</u>	<u>870</u>			<u>30</u>	<u>790</u>
P12		<u>33</u>	<u>882</u>			<u>33</u>	<u>801</u>
P13		<u>36</u>	<u>891</u>			<u>36</u>	<u>811</u>
P14		<u>39</u>	<u>901</u>			<u>39</u>	<u>821</u>
P15		<u>42</u>	<u>909</u>			<u>42</u>	<u>829</u>
P16		<u>45</u>	<u>913</u>			<u>45</u>	<u>836</u>
P17							
P18							
P19							
P20							