



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 8813

P. O. BOX 1599 WICHITA, KANSAS 67201
PHONE (316) 262-5861

Elevation 1729 K.B Formation Lansing Eff. Pay Ft.

District Great Bend Date 12-28-80 Customer Order No.

COMPANY NAME Petroleum Energy, Inc.
ADDRESS Suite 710, One Twenty Bldg., Wichita, Ks. 67202
LEASE AND WELL NO. #1 Sharpe "A" COUNTY Rice STATE Ks. Sec. 27 Twp. 18s Rge. 9w
Mail Invoice To Same As Above No. Copies Requested 5
Co. Name Sharpe "A" #1 Address "Copy to Musgrave" No. Copies Requested 2

Formation Test No. 1 Interval Tested from 2936 ft. to 2980 ft. Total Depth 2980 ft.
Packer Depth 2931 ft. Size 6 3/8 in. Packer Depth 2936 ft. Size 6 3/8 in.
Packer Depth ft. Size in. Packer Depth ft. Size in.
Depth of Selective Zone Set
Top Recorder Depth (Inside) 2943 ft. Recorder Number 3424 Cap. 3000
Bottom Recorder Depth (Outside) 2946 ft. Recorder Number 3659 Cap. 4000
Below Straddle Recorder Depth ft. Recorder Number Cap.
Drilling Contractor L.D. Drils Rigs 1 Drill Collar Length I. D. in.
Mud Type Starch Viscosity 41 Weight Pipe Length 565 I. D. 2.8 in.
Weight 9.9 Water Loss 13.2 cc. Drill Pipe Length 2349 I. D. 3.0 in.
Chlorides 80,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 3/4 in.
Jars: Make Serial Number Anchor Length 44 ft. Size 5 3/4 in.
Did Well Flow? yes Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 3/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong Throughout Flow Period. Strong Gas To Surface In 10 min. On final blow very little to gauge.
Recovered 14.5 ft. of slight Oil & Gas Cut Mud (20% Oil 20% water 96% Mud)
Recovered 12.5 ft. of Oil & Gas Cut Mud (Trace of water 40% Mud 20% Oil)
Recovered 20 ft. of Oil & Gas Cut Watery Mud (40% Oil)
Recovered 120 ft. of Oil & Gas Cut Muddy Water (95% water 1% Oil 4% Mud)
Remarks: Chlorides 45,000 PPM

Time On Location 1:00 AM P.M. Time Pick Up Tool 1:20 AM P.M. Time Off Location 8:00 AM P.M.
Time Set Packer(s) 2:13 AM P.M. Time Started Off Bottom 5:15 AM P.M. Maximum Temperature 111
Initial Hydrostatic Pressure (A) 1562 P.S.I.
Initial Flow Period Minutes 45 (B) 53 P.S.I. to (C) 100 P.S.I.
Initial Closed In Period Minutes 45 (D) 916 P.S.I.
Final Flow Period Minutes 45 (E) 130 P.S.I. to (F) 176 P.S.I.
Final Closed In Period Minutes 45 (G) 901 P.S.I.
Final Hydrostatic Pressure (H) 1554 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 Denis Wondra Thank you

FIELD INVOICE

Open Hole Test \$ 550.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$ 30.00
Fluid Sampler \$
Extra Charts \$
Insurance \$
TOTAL \$ 580.00

WESTERN TESTING CO., INC.
Pressure Data

Date 12-28-80 Test Ticket No. 8813
 Recorder No. 3474 Capacity 3000 Location 2943 Ft.
 Clock No. _____ Elevation 1729 KB Well Temperature 111 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1562</u> P.S.I.	<u>2:13</u> P	M
B First Initial Flow Pressure	<u>68</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>102</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>914</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>143</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>174</u> P.S.I.	<u>45</u> Mins.	<u>42</u> Mins.
G Final Closed-in Pressure	<u>894</u> P.S.I.		
H Final Hydrostatic Mud	<u>1547</u> P.S.I.		

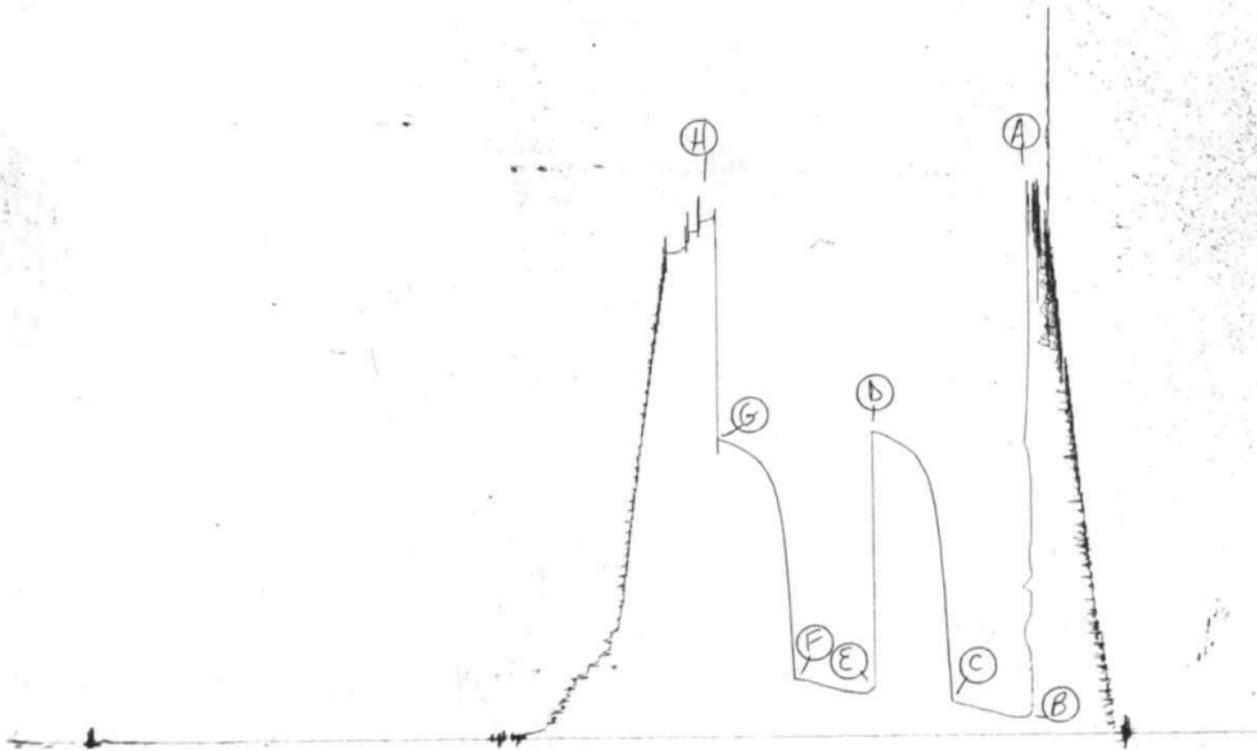
PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>14</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	0	0	102	0	143	0	174
P 2	5	3	382	5	128	3	432
P 3	10	6	560	10	129	6	604
P 4	15	9	680	15	134	9	700
P 5	20	12	750	20	139	12	758
P 6	25	15	793	25	146	15	791
P 7	30	18	824	30	153	18	815
P 8	35	21	845	35	162	21	832
P 9	40	24	857	40	170	24	844
P 10	45	27	870	45	174	27	856
P 11	50	30	880	50		30	865
P 12	55	33	889	55		33	873
P 13	60	36	900	60		36	882
P 14		39	909	65		39	887
P 15		42	912	70		42	894
P 16		45	914	75		45	
P 17		48		80		48	
P 18		51		85		51	
P 19		54		90		54	
P 20		57				57	
		60				60	

TKT # 8813
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Company Petroleum Energy, Inc. Lease & Well No. Sharpe "A" #1
 Elevation 1729 Kelly Bushing Formation Lansing Effective Pay - Ft. Ticket No. 8813
 Date 12/28/80 Sec. 27 Twp. 18S Range 9W County Rice State Kansas
 Test Approved by Jim Musgrove Western Representative Denis Wondra

Formation Test No. 1 Interval Tested from 2936 ft. to 2980 ft. Total Depth 2980 ft.
 Packer Depth 2931 ft. Size 6 5/8 in. Packer Depth 2936 ft. Size 6 5/8 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 2943 ft. Recorder Number 3474 Cap. 3000
 Bottom Recorder Depth (Outside) 2946 ft. Recorder Number 3659 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor L D Drilling Rig #1 Drill Collar Length - I. D. - in.
 Mud Type Starch Viscosity 41 Weight Pipe Length 565 I. D. 2.8 in.
 Weight 9.9 Water Loss 13.2 cc. Drill Pipe Length 2349 I. D. 3.8 in.
 Chlorides 80,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 44 ft. Size 5 1/2 OD in.
 Did Well Flow? Yes 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: Strong throughout initial flow period. Strong gas to surface in ten minutes on final flow period. Too little to guage.

Recovered 145 ft. of slightly oil & gas cut mud - 2% oil; 2% water; 96% mud
 Recovered 125 ft. of oil & gas cut mud - trace of water - 40% mud; 20% water; 40% oil
 Recovered 20 ft. of oil & gas cut watery mud
 Recovered 120 ft. of oil & Gas cut muddy water - 95% water; 1% oil; 4% mud
 Recovered - ft. of Chlorides 45,000 PPM

Remarks: _____

Time Set Packer(s)	<u>2:13</u>	<u>A.M.</u>	Time Started Off Bottom	<u>5:15</u>	<u>A.M.</u>	Maximum Temperature	<u>111</u>
		<u>P.M.</u>			<u>P.M.</u>		
Initial Hydrostatic Pressure			(A)	<u>1562</u>		P.S.I.	
Initial Flow Period			Minutes	<u>45</u>	(B)	<u>68</u>	P.S.I. to (C) <u>102</u> P.S.I.
Initial Closed In Period			Minutes	<u>45</u>	(D)	<u>914</u>	P.S.I.
Final Flow Period			Minutes	<u>45</u>	(E)	<u>143</u>	P.S.I. to (F) <u>174</u> P.S.I.
Final Closed In Period			Minutes	<u>42</u>	(G)	<u>894</u>	P.S.I.
Final Hydrostatic Pressure			(H)	<u>1547</u>		P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 12-28-80 Test Ticket No. 8813
 Recorder No. 3474 Capacity 3000 Location 2943 Ft.
 Clock No. - Elevation 1729 Kelly Bushing Well Temperature 111 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1562</u>	P.S.I.	<u>2:13P</u>	<u>M</u>
B First Initial Flow Pressure	<u>68</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
C First Final Flow Pressure	<u>102</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>914</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>143</u>	P.S.I.	<u>45</u>	<u>42</u> Mins.
F Second Final Flow Pressure	<u>174</u>	P.S.I.		
G Final Closed-in Pressure	<u>894</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1547</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>14</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>0</u>	<u>102</u>	<u>0</u>	<u>143</u>	<u>0</u>	<u>174</u>
P 2	<u>5</u>	<u>3</u>	<u>382</u>	<u>5</u>	<u>128</u>	<u>3</u>	<u>432</u>
P 3	<u>10</u>	<u>6</u>	<u>560</u>	<u>10</u>	<u>129</u>	<u>6</u>	<u>604</u>
P 4	<u>15</u>	<u>9</u>	<u>680</u>	<u>15</u>	<u>134</u>	<u>9</u>	<u>700</u>
P 5	<u>20</u>	<u>12</u>	<u>750</u>	<u>20</u>	<u>139</u>	<u>12</u>	<u>758</u>
P 6	<u>25</u>	<u>15</u>	<u>793</u>	<u>25</u>	<u>146</u>	<u>15</u>	<u>791</u>
P 7	<u>30</u>	<u>18</u>	<u>824</u>	<u>30</u>	<u>153</u>	<u>18</u>	<u>815</u>
P 8	<u>35</u>	<u>21</u>	<u>845</u>	<u>35</u>	<u>162</u>	<u>21</u>	<u>832</u>
P 9	<u>40</u>	<u>24</u>	<u>857</u>	<u>40</u>	<u>170</u>	<u>24</u>	<u>844</u>
P10	<u>45</u>	<u>27</u>	<u>870</u>	<u>45</u>	<u>174</u>	<u>27</u>	<u>856</u>
P11		<u>30</u>	<u>880</u>			<u>30</u>	<u>865</u>
P12		<u>33</u>	<u>889</u>			<u>33</u>	<u>873</u>
P13		<u>36</u>	<u>900</u>			<u>36</u>	<u>882</u>
P14		<u>39</u>	<u>909</u>			<u>39</u>	<u>887</u>
P15		<u>42</u>	<u>912</u>			<u>42</u>	<u>894</u>
P16		<u>45</u>	<u>914</u>				
P17							
P18							
P19							
P20							



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 8814

P. O. BOX 1599 PHONE (316) 262-5861 WICHITA, KANSAS 67201

Elevation 1729 K.B. Formation K.C. Eff. Pay Ft.

District Great Bend Date 12-29-80 Customer Order No.

COMPANY NAME Petroleum Energy, Inc.

ADDRESS Suite 710 One Twenty Bldg., Wichita, Ks. 67202

LEASE AND WELL NO. Sharpe "A" COUNTY Rice STATE Ks. Sec. 27 Twp. 18s Rge. 9w

Mail Invoice To Same As Above Co. Name Address No. Copies Requested \$

Mail Charts To Copy to Musgrave Address No. Copies Requested \$

Formation Test No. 2 Interval Tested from 3054 ft. to 3100 ft. Total Depth 3100 ft.

Packer Depth 3049 ft. Size 6 5/8 in. Packer Depth 3054 ft. Size 6 5/8 in.

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

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3061 ft. Recorder Number 3474 Cap. 3000

Bottom Recorder Depth (Outside) 3064 ft. Recorder Number 3659 Cap. 4000

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor L.P. Doly. Rig 1 Drill Collar Length I. D. in.

Mud Type Starch Viscosity 46 Weight Pipe Length 565 I. D. 2.8 in.

Weight 10.0 Water Loss 10.4 cc. Drill Pipe Length 2467 I. D. 3.8 in.

Chlorides 80,000 P.P.M. Test Tool Length 22 ft. Tool Size 5,200 in.

Jars: Make Serial Number Anchor Length 46 ft. Size 5,200 in.

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

Main Hole Size 7 3/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Steady 1" Throughout Test. Final Flow Period Weak Throughout

2nd opening. Final flow period

Recovered 90 ft. of Watery MUD (Few Oil specks)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time On Location 12:00 A.M. Time Pick Up Tool 12:30 P.M. Time Off Location 6:00 A.M. P.M.

Time Set Packer(s) 1:03 P.M. Time Started Off Bottom 4:05 P.M. Maximum Temperature 106°

Initial Hydrostatic Pressure (A) 1638 P.S.I.

Initial Flow Period Minutes 45 (B) 23 P.S.I. to (C) 30 P.S.I.

Initial Closed In Period Minutes 45 (D) 954 P.S.I.

Final Flow Period Minutes 45 (E) 46 P.S.I. to (F) 53 P.S.I.

Final Closed In Period Minutes 45 (G) 909 P.S.I.

Final Hydrostatic Pressure (H) 1638 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 Denis Wanda Thabazon

FIELD INVOICE

Table with 2 columns: Item, Amount. Includes Open Hole Test (\$350.00), Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, and TOTAL (\$550.00).

WESTERN TESTING CO., INC.

Pressure Data

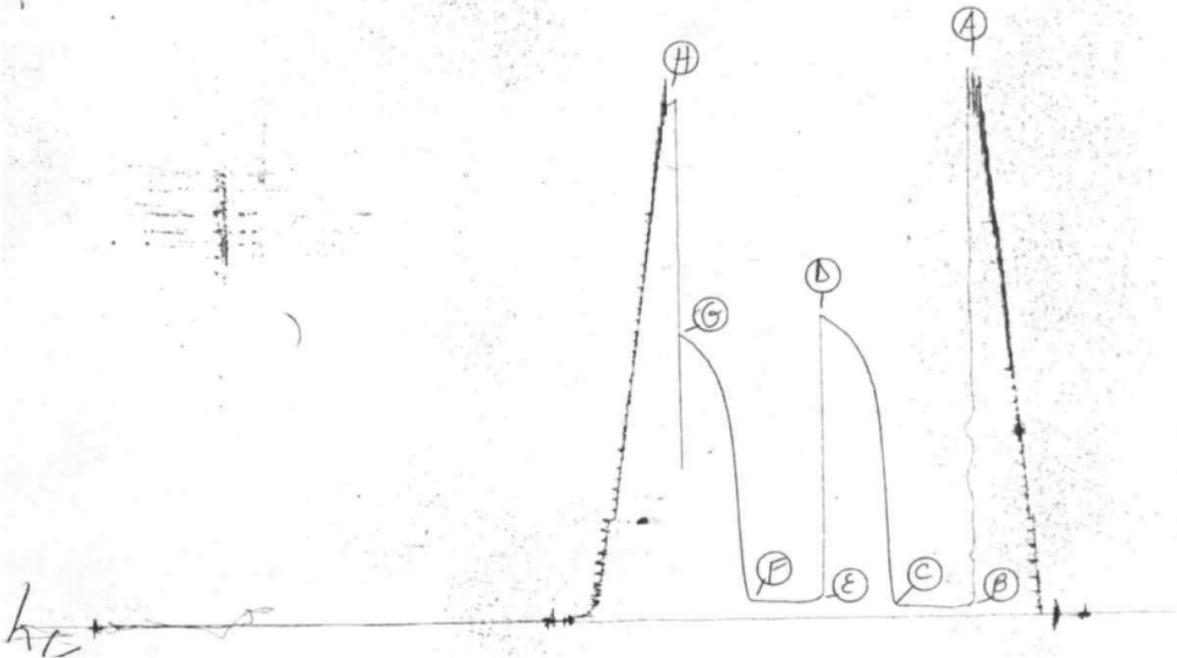
Date 12-29-80 Test Ticket No. 8814
 Recorder No. 3474 Capacity 3000 Location 3061 Ft.
 Clock No. Elevation 1729 KB Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1664</u>	P.S.I.	<u>1:03 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>48</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
C First Final Flow Pressure	<u>38</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>955</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>80</u>	P.S.I.	<u>45</u>	<u>39</u> Mins.
F Second Final Flow Pressure	<u>59</u>	P.S.I.		
G Final Closed-in Pressure	<u>900</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1635</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>13</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>0</u>	<u>38</u>	<u>0</u>	<u>80</u>	<u>0</u>	<u>59</u>
P 2	<u>5</u>	<u>3</u>	<u>106</u>	<u>5</u>	<u>62</u>	<u>3</u>	<u>212</u>
P 3	<u>10</u>	<u>6</u>	<u>277</u>	<u>10</u>	<u>56</u>	<u>6</u>	<u>409</u>
P 4	<u>15</u>	<u>9</u>	<u>489</u>	<u>15</u>	<u>53</u>	<u>9</u>	<u>556</u>
P 5	<u>20</u>	<u>12</u>	<u>634</u>	<u>20</u>	<u>54</u>	<u>12</u>	<u>658</u>
P 6	<u>25</u>	<u>15</u>	<u>732</u>	<u>25</u>	<u>55</u>	<u>15</u>	<u>726</u>
P 7	<u>30</u>	<u>18</u>	<u>780</u>	<u>30</u>	<u>56</u>	<u>18</u>	<u>771</u>
P 8	<u>35</u>	<u>21</u>	<u>823</u>	<u>35</u>	<u>57</u>	<u>21</u>	<u>804</u>
P 9	<u>40</u>	<u>24</u>	<u>852</u>	<u>40</u>	<u>58</u>	<u>24</u>	<u>826</u>
P10	<u>45</u>	<u>27</u>	<u>877</u>	<u>45</u>	<u>59</u>	<u>27</u>	<u>844</u>
P11	<u>50</u>	<u>30</u>	<u>897</u>	<u>50</u>		<u>30</u>	<u>864</u>
P12	<u>55</u>	<u>33</u>	<u>909</u>	<u>55</u>		<u>33</u>	<u>877</u>
P13	<u>60</u>	<u>36</u>	<u>923</u>	<u>60</u>		<u>36</u>	<u>889</u>
P14		<u>39</u>	<u>933</u>	<u>65</u>		<u>39</u>	<u>900</u>
P15		<u>42</u>	<u>944</u>	<u>70</u>		<u>42</u>	
P16		<u>45</u>	<u>955</u>	<u>75</u>		<u>45</u>	
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

TKT # 8814
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Company Petroleum Energy, Inc. Lease & Well No. Sharpe "A" #1
 Elevation 1729 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 8814
 Date 12-29-80 Sec. 27 Twp. 18S Range 9W County Rice State Kansas
 Test Approved by Jim Musgrove Western Representative Denis Wondra

Formation Test No. 2 Interval Tested from 3054 ft. to 3100 ft. Total Depth 3100 ft.
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 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3061 ft. Recorder Number 3474 Cap. 3000
 Bottom Recorder Depth (Outside) 3064 ft. Recorder Number 3659 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor L. D. Drilling Rig #1 Drill Collar Length - I. D. - in.
 Mud Type Starch Viscosity 46 Weight Pipe Length 565 I. D. 2.8 in.
 Weight 10.0 Water Loss 10.4 cc. Drill Pipe Length 2467 I. D. 3.8 in.
 Chlorides 80,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 46 ft. Size 5 1/2 OD 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: Steady one inch throughout initial flow period. Weak throughout final flow period.

Recovered 90 ft. of watery mud - few oil specks
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: -

Time Set Packer(s) 1:03 ~~A.M.~~ P.M. Time Started Off Bottom 4:05 ~~A.M.~~ P.M. Maximum Temperature 106
 Initial Hydrostatic Pressure (A) 1664 P.S.I.
 Initial Flow Period Minutes 45 (B) 48 P.S.I. to (C) 38 P.S.I.
 Initial Closed In Period Minutes 45 (D) 955 P.S.I.
 Final Flow Period Minutes 45 (E) 80 P.S.I. to (F) 59 P.S.I.
 Final Closed In Period Minutes 39 (G) 900 P.S.I.
 Final Hydrostatic Pressure (H) 1635 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12-29-80 Test Ticket No. 8814
 Recorder No. 3474 Capacity 3000 Location 3061 Ft.
 Clock No. - Elevation 1729 Kelly Bushing Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1664	P.S.I.	1:03P	M
B First Initial Flow Pressure	48	P.S.I.	45	45
C First Final Flow Pressure	38	P.S.I.	45	45
D Initial Closed-in Pressure	955	P.S.I.	45	45
E Second Initial Flow Pressure	80	P.S.I.	45	39
F Second Final Flow Pressure	59	P.S.I.		
G Final Closed-in Pressure	900	P.S.I.		
H Final Hydrostatic Mud	1635	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: 13 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	48	0	38	0	80	0	59
P 2 5	34	3	106	5	62	3	212
P 3 10	30	6	277	10	56	6	409
P 4 15	29	9	489	15	53	9	556
P 5 20	32	12	634	20	54	12	658
P 6 25	34	15	732	25	55	15	726
P 7 30	35	18	780	30	56	18	771
P 8 35	36	21	823	35	57	21	804
P 9 40	37	24	852	40	58	24	826
P10 45	38	27	877	45	59	27	844
P11		30	897			30	864
P12		33	909			33	877
P13		36	923			36	889
P14		39	933			39	900
P15		42	944				
P16		45	955				
P17							
P18							
P19							
P20							



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 8815

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1729 K.B. Formation Arb Eff. Pay Ft.

District Great Bend Date 12-30-80 Customer Order No.

COMPANY NAME Petroleum Energy, Inc.
ADDRESS Suite 710 One Twenty Bldg., Wichita, Ks. 67202
LEASE AND WELL NO. Sharpe A #1 COUNTY Rice STATE Ks. Sec. 27 Twp. 18s Rge. 9w
Mail Invoice To Same As Above No. Copies Requested 8
Co. Name " Address Copy to Musgrave No. Copies Requested 8
Mail Charts To " Address "

Formation Test No. 3 Interval Tested from 3244 ft. to 3250 ft. Total Depth 3250 ft.
Packer Depth 3239 ft. Size 6 5/8 in. Packer Depth 3244 ft. Size in.
Packer Depth ft. Size in. Packer Depth ft. Size in.

Depth of Selective Zone Set
Top Recorder Depth (Inside) 3234 ft. Recorder Number 3474 Cap. 3000
Bottom Recorder Depth (Outside) 3248 ft. Recorder Number 3659 Cap. 4000
Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor L.D. Dalg Rig 1
Mud Type Starch Viscosity 46
Weight 9.9 Water Loss 11.6 cc.
Chlorides 73,000 P.P.M.
Jars: Make Serial Number
Did Well Flow? yes Reversed Out NO
Drill Collar Length I. D. in.
Weight Pipe Length 565 I. D. 2.8 in.
Drill Pipe Length 2652 I. D. 3.8 in.
Test Tool Length 27 ft. Tool Size 5200 in.
Anchor Length 6 ft. Size 5200 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 FH in.

Blow: Strong Throughout Initial Flow period
2nd opening. final flow period
Good Throughout

Recovered 200 ft. of Gas In Pipe
Recovered 310 ft. of Gassy Oil Gravity 50
Recovered 1055 ft. of Gassy Muddy Oil
Recovered 435 ft. of Gassy Oil Cut Water
Recovered 990 ft. of Salt Water Chlorides 13,000 PPM
Remarks:

Time On Location 3:00 A.M. P.M. Time Pick Up Tool 3:30 A.M. P.M. Time Off Location 11:15 A.M. P.M.
Time Set Packer(s) 4:28 A.M. P.M. Time Started Off Bottom 7:20 A.M. P.M. Maximum Temperature 118
Initial Hydrostatic Pressure (A) 1730 P.S.I.
Initial Flow Period Minutes 45 (B) 307 P.S.I. to (C) 1045 P.S.I.
Initial Closed In Period Minutes 45 (D) 1098 P.S.I.
Final Flow Period Minutes 45 (E) 1091 P.S.I. to (F) 1106 P.S.I.
Final Closed In Period Minutes 45 (G) 1113 P.S.I.
Final Hydrostatic Pressure (H) 1722 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>550.00</u>
Misrun	\$ <u> </u>
Straddle Test	\$ <u> </u>
Jars	\$ <u> </u>
Selective Zone	\$ <u> </u>
Safety Joint	\$ <u> </u>
Standby	\$ <u> </u>
Evaluation	\$ <u> </u>
Extra Packer	\$ <u> </u>
Circ. Sub.	\$ <u> </u>
Mileage	\$ <u> </u>
Fluid Sampler	\$ <u> </u>
Extra Charts	\$ <u> </u>
Insurance	\$ <u> </u>
TOTAL	\$ <u>550.00</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 12-30-80 Test Ticket No. 8815
 Recorder No. 3474 Capacity 3000 Location 3234 Ft.
 Clock No. _____ Elevation 1729 KB Well Temperature 118 °F

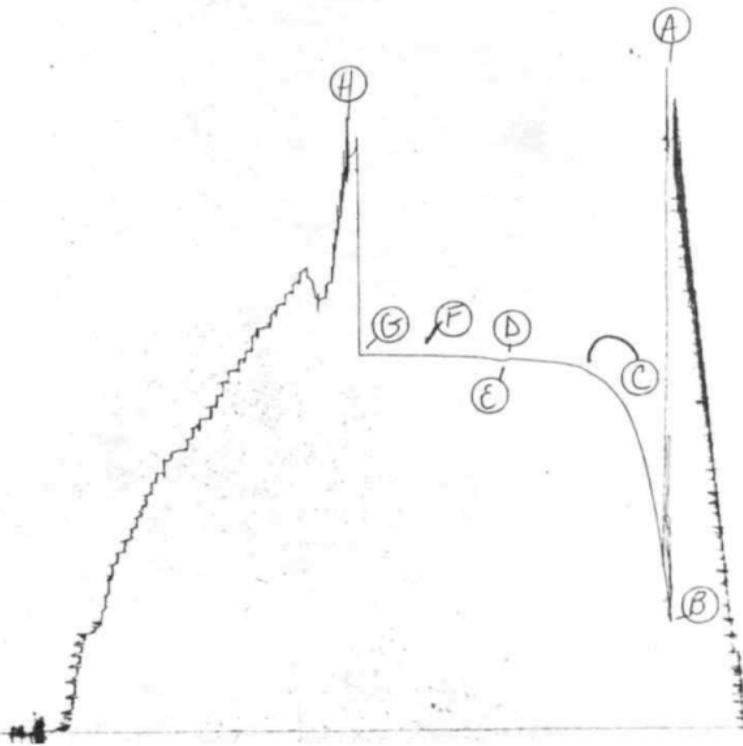
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1746</u> P.S.I.	<u>4:18 P</u> M	
B First Initial Flow Pressure	<u>312</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>1053</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1098</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>1094</u> P.S.I.	<u>45</u> Mins.	<u>36</u> Mins.
F Second Final Flow Pressure	<u>1110</u> P.S.I.		
G Final Closed-in Pressure	<u>1111</u> P.S.I.		
H Final Hydrostatic Mud	<u>1714</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>12</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>312</u>	0	<u>1053</u>	0	<u>1094</u>	0	<u>1110</u>
P 2	<u>508</u>	3	<u>1063</u>	5	<u>1094</u>	3	<u>1110</u>
P 3	<u>664</u>	6	<u>1071</u>	10	<u>1098</u>	6	<u>1110</u>
P 4	<u>786</u>	9	<u>1076</u>	15	<u>1103</u>	9	<u>1111</u>
P 5	<u>877</u>	12	<u>1080</u>	20	<u>1104</u>	12	<u>1111</u>
P 6	<u>942</u>	15	<u>1083</u>	25	<u>1105</u>	15	<u>1111</u>
P 7	<u>983</u>	18	<u>1086</u>	30	<u>1106</u>	18	<u>1112</u>
P 8	<u>1015</u>	21	<u>1088</u>	35	<u>1108</u>	21	<u>1112</u>
P 9	<u>1038</u>	24	<u>1090</u>	40	<u>1109</u>	24	<u>1112</u>
P10	<u>1053</u>	27	<u>1091</u>	45	<u>1110</u>	27	<u>1113</u>
P11		30	<u>1092</u>	50		30	<u>1113</u>
P12		33	<u>1094</u>	55		33	1112 <u>1112</u>
P13		36	<u>1095</u>	60		36	<u>1111</u>
P14		39	<u>1096</u>	65		39	
P15		42	<u>1097</u>	70		42	
P16		45	<u>1098</u>	75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

TKT # 8815
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Company Petroleum Energy, Inc. Lease & Well No. Sharpe "A" #1
 Elevation 1729 Kelly Bushing Formation Arbuckle Effective Pay - Ft. Ticket No. 8815
 Date 12-30-80 Sec. 27 Twp. 18S Range 9W County Rice State Kansas
 Test Approved by Jim Musgrove Western Representative Denis Wondra

Formation Test No. 3 Interval Tested from 3244 ft. to 3250 ft. Total Depth 3250 ft.
 Packer Depth 3239 ft. Size 6 5/8 in. Packer Depth 3244 ft. Size 6 5/8 in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3234 ft. Recorder Number 3474 Cap. 3000
 Bottom Recorder Depth (Outside) 3248 ft. Recorder Number 3659 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor L D Drilling Rig #1 Drill Collar Length - I. D. - in.
 Mud Type Starch Viscosity 46 Weight Pipe Length 565 I. D. 2.8 in.
 Weight 9.9 Water Loss 11.6 cc. Drill Pipe Length 2652 I. D. 3.8 in.
 Chlorides 73,000 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 6 ft. Size 5 1/2 OD in.
 Did Well Flow? Yes 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: Strong throughout initial flow period. Good throughout final flow period.

Recovered 200 ft. of gas in pipe
 Recovered 310 ft. of gassy oil Gravity 50
 Recovered 1055 ft. of gassy muddy oil
 Recovered 435 ft. of gassy oil cut water
 Recovered 990 ft. of salt water Chlorides 13,000 PPM

Remarks: _____

Time Set Packer(s) 4:18 ~~A.M.~~ P.M. Time Started Off Bottom 7:20 ~~A.M.~~ P.M. Maximum Temperature 118
 Initial Hydrostatic Pressure (A) 1746 P.S.I.
 Initial Flow Period Minutes 45 (B) 312 P.S.I. to (C) 1053 P.S.I.
 Initial Closed In Period Minutes 45 (D) 1098 P.S.I.
 Final Flow Period Minutes 45 (E) 1094 P.S.I. to (F) 1110 P.S.I.
 Final Closed In Period Minutes 36 (G) 1111 P.S.I.
 Final Hydrostatic Pressure (H) 1714 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12-30-80 Test Ticket No. 8815
 Recorder No. 3474 Capacity 3000 Location 3234 Ft.
 Clock No. - Elevation 1729 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1746	P.S.I.	4:18P	M
B First Initial Flow Pressure	312	P.S.I.	45	Mins. 45 Mins.
C First Final Flow Pressure	1053	P.S.I.	45	Mins. 45 Mins.
D Initial Closed-in Pressure	1098	P.S.I.	45	Mins. 45 Mins.
E Second Initial Flow Pressure	1094	P.S.I.	45	Mins. 36 Mins.
F Second Final Flow Pressure	1110	P.S.I.		
G Final Closed-in Pressure	1111	P.S.I.		
H Final Hydrostatic Mud	1714	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>12</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 0	312	0	1053	0	1094	0	1110
P 2 5	508	3	1063	5	1094	3	1110
P 3 10	664	6	1071	10	1098	6	1110
P 4 15	786	9	1076	15	1103	9	1111
P 5 20	877	12	1080	20	1104	12	1111
P 6 25	942	15	1083	25	1105	15	1111
P 7 30	983	18	1086	30	1106	18	1112
P 8 35	1015	21	1088	35	1108	21	1112
P 9 40	1038	24	1090	40	1109	24	1112
P10 45	1053	27	1091	45	1110	27	1113
P11		30	1092			30	1113
P12		33	1094			33	1112
P13		36	1095			36	1111
P14		39	1096			39	
P15		42	1097				
P16		45	1098				
P17							
P18							
P19							
P20							