



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

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No

8784

Elevation

1728 KB

Formation

LANSING

Eff. Pay Ft.

District GREAT BEND

Date 11-29-30

Customer Order No.

COMPANY NAME

Petroleum ENERGY INC

ADDRESS

Suit 710 120 Building Wichita KANS, 67202

LEASE AND WELL NO.

SHARPE #1

COUNTY

RICE

STATE

KS

Sec

27

Twp

18

Rge

9W

Mail Invoice To

Co. Name

SAME

No. Copies Requested

5

Mail Charts To

Co. Name

SAME

Address

Copy to Manager

No. Copies Requested

58

Formation Test No.

1

Interval Tested from

2970

ft. to

2985

ft.

Total Depth

2985

ft.

Packer Depth

2965

ft.

Size

6 5/8

Packer Depth

2970

ft.

Size

6 5/8

in.

Packer Depth

—

ft.

Size

—

Packer Depth

—

ft.

Size

—

in.

Depth of Selective Zone Set

Top Recorder Depth (Inside)

2973

ft.

Recorder Number

1563

Cap.

4200

Bottom Recorder Depth (Outside)

2976

ft.

Recorder Number

1562

Cap.

3900

Below Straddle Recorder Depth

—

ft.

Recorder Number

—

Cap.

—

Drilling Contractor

WILLIAMS & ELLIS Rig #2

Drill Collar Length

235

I. D.

2 1/4

in.

Mud Type

STARCUS Clay

Weight Pipe Length

—

I. D.

—

in.

Weight

9.9

Water Loss

11.2

cc.

Drill Pipe Length

2513

I. D.

3.8

in.

Chlorides

78,000

P.P.M.

—

Test Tool Length

22

ft.

Tool Size

5 1/2

in.

Jars: Make

—

Serial Number

—

Anchor Length

15

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.

Initial Flow Period

—

Blow

1st Blow GOOD Building to STRONG off Bottom Bucket

2nd Blow

STRONG THEN OUT

Recovered

120

ft. of

6 IP - GAS IN PIPE

Recovered

277

ft. of

Heavy Gas Cut and slightly oil cut Mud 28 oil

Recovered

120

ft. of

HEAVY Gas cut and slightly Oil spotted Salt Water

Recovered

—

ft. of

—

Recovered

—

ft. of

—

Remarks:

CHLORIDES 105,000 PPM

Time On Location

11:45

P.M.

Time Pick Up Tool

1:30

A.M.

Time Off Location

10:00

A.M.

Time Set Packer(s)

3:50

A.M.

Time Started Off Bottom

6:50

A.M.

Maximum Temperature

111°

Initial Hydrostatic Pressure

—

(A)

1575

P.S.I.

Initial Flow Period

—

Minutes

45

(B)

129

P.S.I.

to (C)

161

P.S.I.

Initial Closed In Period

—

Minutes

45

(D)

1016

P.S.I.

to (E)

237

P.S.I.

Final Flow Period

—

Minutes

45

(E)

215

P.S.I.

to (F)

237

P.S.I.

Final Closed In Period

—

Minutes

45

(G)

1006

P.S.I.

(H)

1575

P.S.I.

Final Hydrostatic Pressure

—

(H)

1575

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 of Customer or his authorized representative

Western Representative

Clifford E. Schenckman

Thank You!

FIELD INVOICE

Open Hole Test

\$550.00

Misrun

\$

Straddle Test

\$

Jars

\$

Selective Zone

\$

Safety Joint

\$

Standby

\$

Evaluation

\$

Extra Packer

\$

Circ. Sub.

\$

Mileage

26 Mi \$195.00

Fluid Sampler

\$

Extra Charts

\$

Insurance

\$

TOTAL

\$569.50

WESTERN TESTING CO., INC.
Pressure Data

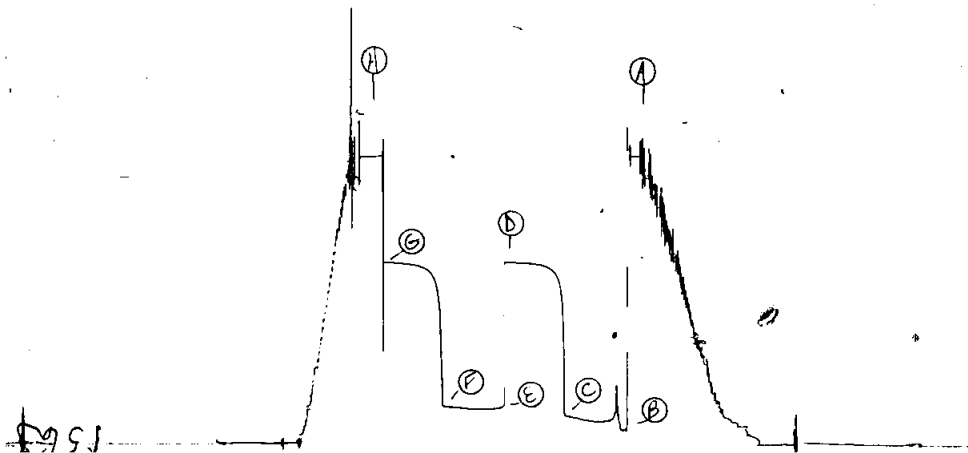
Date 11-29 Test Ticket No. 8784
Recorder No. 1563 Capacity 4200 Location 2973 Ft.
Clock No. _____ Elevation 1728 KB Well Temperature 111 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>1586</u> P.S.I.		3:50 A.M.	
B First Initial Flow Pressure <u>95</u> P.S.I.		<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure <u>168</u> P.S.I.		<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure <u>1015</u> P.S.I.		<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure <u>216</u> P.S.I.		<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure <u>218</u> P.S.I.			
G Final Closed-in Pressure <u>1015</u> P.S.I.			
H Final Hydrostatic Mud <u>1586</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>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	95 <u>95</u>	<u>0</u>	<u>168</u>	<u>0</u>	<u>216</u>	<u>0</u>	<u>218</u>
P 2 <u>5</u>	<u>106</u>	<u>3</u>	<u>819</u>	<u>5</u>	<u>207</u>	<u>3</u>	<u>751</u>
P 3 <u>10</u>	<u>FLUSHED TOOL</u> <u>172</u>	<u>6</u>	<u>913</u>	<u>10</u>	<u>205</u>	<u>6</u>	<u>887</u>
P 4 <u>15</u>	<u>140</u>	<u>9</u>	<u>953</u>	<u>15</u>	<u>(</u>	<u>9</u>	<u>936</u>
P 5 <u>20</u>	<u>138</u>	<u>12</u>	<u>977</u>	<u>20</u>	<u>)</u>	<u>12</u>	<u>964</u>
P 6 <u>25</u>	<u>138</u>	<u>15</u>	<u>987</u>	<u>25</u>	<u>205</u>	<u>15</u>	<u>979</u>
P 7 <u>30</u>	<u>144</u>	<u>18</u>	<u>998</u>	<u>30</u>	<u>207</u>	<u>18</u>	<u>987</u>
P 8 <u>35</u>	<u>151</u>	<u>21</u>	<u>1004</u>	<u>35</u>	<u>211</u>	<u>21</u>	<u>996</u>
P 9 <u>40</u>	<u>159</u>	<u>24</u>	<u>1006</u>	<u>40</u>	<u>215</u>	<u>24</u>	<u>998</u>
P10 <u>45</u>	<u>168</u>	<u>27</u>	<u>1007</u>	<u>45</u>	<u>218</u>	<u>27</u>	<u>1002</u>
P11 <u>50</u>		<u>30</u>	<u>1008</u>	<u>50</u>		<u>30</u>	<u>1006</u>
P12 <u>55</u>		<u>33</u>	<u>100</u>	<u>55</u>		<u>33</u>	<u>1006</u>
P13 <u>60</u>		<u>36</u>	<u>1012</u>	<u>60</u>		<u>36</u>	<u>1009</u>
P14		<u>39</u>	<u>1013</u>	<u>65</u>		<u>39</u>	<u>1011</u>
P15		<u>42</u>	<u>1014</u>	<u>70</u>		<u>42</u>	<u>1013</u>
P16		<u>45</u>	<u>1015</u>	<u>75</u>		<u>45</u>	<u>1015</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 # 8784
I



Company Petroleum Energy, Inc. Lease & Well No. Sharpe #1
Elevation 1728 Kelly Bushing Lansing Effective Pay -- Ft. Ticket No. 8784
Date 11/29/80 27 18S 9W County Rice State Kansas
Test Approved by Jim Musgrove Western Representative Clifford E. Scheuerman

Formation Test No. 1 Interval Tested from 2970 ft. to 2985 ft. Total Depth 2985 ft.

Packer Depth 2965 ft. Size 6 5/8 in. Packer Depth 2970 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) 2973 ft. Recorder Number 1563 Cap. 4200

Bottom Recorder Depth (Outside) 2976 ft. Recorder Number 1562 Cap. 3900

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

Drilling Contractor White & Ellis Drlg. Rig #2 Drill Collar Length 235 I. D. 2 1/4 in.

Mud Type starch-salt-clay Viscosity 38 Weight Pipe Length - I. D. - in.

Weight 9.9 Water Loss 11.2 cc. Drill Pipe Length 2513 I. D. 3.8 in.

Chlorides 98,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number - Anchor Length 15 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 FH in.

Blow: Initial flow period bood building to strong off bottom of bucket. Final flow period strong throughout.

Recovered 120 ft. of gas in pipe

Recovered 277 ft. of heavy gas cut and slightly oil cut mud 2% oil

Recovered 120 ft. of heavy gas cut and slightly oil spotted salt water

Recovered - ft. of -

Recovered - ft. of Chlorides 105,000 ppm

Remarks: -

Time Set Packer(s) 3:50 A.M. 3:50 Time Started Off Bottom 6:50 A.M. Maximum Temperature 110°

Initial Hydrostatic Pressure (A) 1586 P.S.I.

Initial Flow Period Minutes 45 (B) 95 P.S.I. to (C) 168 P.S.I.

Initial Closed In Period Minutes 45 (D) 1015 P.S.I.

Final Flow Period Minutes 45 (E) 216 P.S.I. to (F) 218 P.S.I.

Final Closed In Period Minutes 45 (G) 1015 P.S.I.

Final Hydrostatic Pressure (H) 1586 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

ate 11/29/80
 order No. 1563 Capacity 4200 Test Ticket No. 8784
 Location 2973
 Well No. -- Elevation 1728 Kelly Bushing Well Temperature 111 °F

Int	Pressure		Time Given 3:50A	Time Computed
Initial Hydrostatic Mud	<u>1586</u>	P.S.I.	<u>45</u>	<u>45</u>
First Initial Flow Pressure	<u>95</u>	P.S.I.	<u>45</u>	<u>45</u>
First Final Flow Pressure	<u>168</u>	P.S.I.	<u>45</u>	<u>45</u>
Initial Closed-in Pressure	<u>1015</u>	P.S.I.	<u>45</u>	<u>45</u>
Second Initial Flow Pressure	<u>216</u>	P.S.I.	<u>45</u>	<u>45</u>
Second Final Flow Pressure	<u>218</u>	P.S.I.	<u>45</u>	<u>45</u>
Final Closed-in Pressure	<u>1015</u>	P.S.I.		
Final Hydrostatic Mud	<u>1586</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>15</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.	
Int Ins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1 0	95	0	168	0	216	0	218
2 5	106	3	819	5	207	3	751
3 10	172	6	913	10	205	6	887
4 15	140	9	953	15	205	9	936
5 20	138	12	977	20	205	12	964
6 25	138	15	987	25	205	15	979
7 30	144	18	998	30	207	18	987
8 35	151	21	1004	35	211	21	996
9 40	159	24	1006	40	215	24	998
0 45	168	27	1007	45	218	27	1002
1		30	1008			30	1006
2		33	1010			33	1006
3		36	1012			36	1009
4		39	1013			39	1011
5		42	1014			42	1013
6		45	1015			45	1015
7							
8							
9							
10							



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

WESTERN TESTING CO., INC.

FORMATION TESTING

Kelly Bushing

TICKET No. 8785

Elevation 1728 KB Formation LANSING/KC Eff. Pay Ft.

District GREAT BEND Date 11-30-80 Customer Order No. —

COMPANY NAME Petroleum ENERGY INC

ADDRESS 5417 710 120 Building Wichita KS 67202

LEASE AND WELL NO. SHARPE #1 COUNTY Rice STATE K Sec 17 Twp 18S Rge 9W

Mail Invoice To SAME Co. Name No. Copies Requested 5

Mail Charts To SAME Address No. Copies Requested 58

Formation Test No. #2 Interval Tested from 3065 ft. to 3150 ft. Total Depth 3150 ft.

Packer Depth 3060 ft. Size 6 5/8 in. Packer Depth 3065 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) 3067 ft. Recorder Number 1563 Cap. 4200

Bottom Recorder Depth (Outside) 3070 ft. Recorder Number 1562 Cap. 3900

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Whitely Rig #2 Drill Collar Length 235 I. D. 2 1/4 in.

Mud Type SAGGARD 41 Weight Pipe Length I. D. in.

Weight 10.1 Water Loss 15.6 cc. Drill Pipe Length 2208 I. D. 3.8 in.

Chlorides 94,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 in.

Jars: Make Serial Number Anchor Length 85 ft. Size 5 1/2 in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3 1/4 in. Bottom Choke Size 3 1/4 in.

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

Blow: WEAK BLOW DIED AFTER 22 MIN ON FIRST OPEN Initial Flow Period

2nd Blow WEAK BLOW OUT Final Flow Period

Recovered 60 ft. of slightly gas cut and spots of oil in MUDDY

Recovered ft. of WATER 105,000 CHLORIDES

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time On Location 1:30 A.M. Time Pick Up Tool 5:00 A.M. Time Off Location 12:00 P.M.

Time Set Packer(s) 7:20 A.M. Time Started Off Bottom 9:50 A.M. Maximum Temperature 106°

Initial Hydrostatic Pressure (A) 1660 P.S.I.

Initial Flow Period Minutes 30 (B) 43 P.S.I. to (C) 43 P.S.I.

Initial Closed In Period Minutes 30 (D) 985 P.S.I.

Final Flow Period Minutes 45 (E) 64 P.S.I. to (F) 64 P.S.I.

Final Closed In Period Minutes 45 (G) 963 P.S.I.

Final Hydrostatic Pressure (H) 1649 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 of Customer or his authorized representative

Western Representative

FIELD INVOICE

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

DEC 4 - 1980

Thank You

WESTERN TESTING CO., INC.
Pressure Data

Date 11-30 Test Ticker No. 8785
Recorder No. 1563 Capacity 4200 Location 3067 Ft.
Clock No. _____ Elevation 1728 KB Well Temperature 106 °F

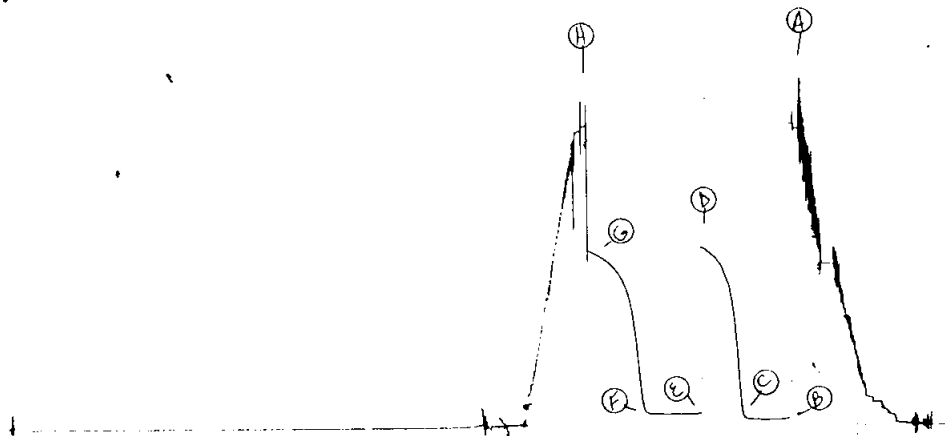
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1660</u> P.S.I.	Open Tool	<u>7:20 A</u>	
B First Initial Flow Pressure	<u>47</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>41</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>1000</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>40</u> Mins.
E Second Initial Flow Pressure	<u>80</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>76</u> P.S.I.			
G Final Closed-in Pressure	<u>979</u> P.S.I.			
H Final Hydrostatic Mud	<u>1652</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>11</u> Inc.		Breakdown: <u>8</u> Inc.		Breakdown: <u>15</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>47</u>	0	<u>41</u>	0	<u>80</u>	0	<u>76</u>
P 2	<u>43</u>	3	<u>91</u>	5	<u>71</u>	3	<u>121</u>
P 3	<u>39</u>	6	<u>323</u>	10	<u>/</u>	6	<u>289</u>
P 4	<u>/</u>	9	<u>585</u>	15	<u>/</u>	9	<u>500</u>
P 5	<u>/</u>	12	<u>738</u>	20	<u>/</u>	12	<u>638</u>
P 6	<u>39</u>	15	<u>821</u>	25	<u>/</u>	15	<u>738</u>
P 7	<u>41</u>	18	<u>885</u>	30	<u>71</u>	18	<u>800</u>
P 8		21	<u>919</u>	35	<u>73</u>	21	<u>845</u>
P 9		24	<u>947</u>	40	<u>76</u>	24	<u>877</u>
P 10		27	<u>966</u>	45		27	<u>902</u>
P 11		30	<u>985</u>	50		30	<u>926</u>
P 12		33	<u>1000</u>	55		33	<u>938</u>
P 13		36		60		36	<u>953</u>
P 14		39		65		39	<u>964</u>
P 15		42		70		42	<u>977</u>
P 16		45		75		45	<u>979</u>
P 17		48		80		48	
P 18		51		85		51	
P 19		54		90		54	
P 20		57				57	
		60				60	

TKT # 8785
I

1505



Company Petroleum Energy, Inc. Lease & Well No. Sharpe #1
 Elevation 1728 Kelly Bushing Lansing/Kansas City Effective Pay. - Ft. Ticket No. 8785
 Date 11/30/80 Sec. 17 Twp. 18S Range 9W County Rice State Kansas
 Test Approved by Jim Musgrove Western Representative Cliff Scheuerman
 Formation Test No. 2 Interval Tested from 3065 ft. to 3150 ft. Total Depth 3150 ft.
 Packer Depth 3060 ft. Size 6 5/8 in. Packer Depth 3065 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) 3067 ft. Recorder Number 1563 Cap. 4200
 Bottom Recorder Depth (Outside) 3070 ft. Recorder Number 1562 Cap. 3900
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor White & Ellis Drlg. Rig #2 Drill Collar Length 235 I. D. 2 1/4 in.
 Mud Type salt-clay-starch Viscosity 41 Weight Pipe Length - I. D. - in.
 Weight 10.1 Water Loss 15.6 cc. Drill Pipe Length 2808 I. D. 3.8 in.
 Chlorides 94,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.
 Jars: Make -- Serial Number -- Anchor Length 85 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 in.

Blow: Weak blow died after twenty-two minutes on initial flow period. Weak blow throughout final flow period.

Recovered 60 ft. of slightly gas cut and spots of oil in muddy water
 Recovered - ft. of Chlorides 105,000 ppm
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: -

Time Set Packer(s) 7:20 A.M. Time Started Off Bottom 9:50 A.M. Maximum Temperature 106°
 Initial Hydrostatic Pressure (A) 1660 P.S.I.
 Initial Flow Period Minutes 30 (B) 47 P.S.I. to (C) 41 P.S.I.
 Initial Closed In Period Minutes 33 (D) 1000 P.S.I.
 Final Flow Period Minutes 40 (E) 80 P.S.I. to (F) 76 P.S.I.
 Final Closed In Period Minutes 45 (G) 979 P.S.I.
 Final Hydrostatic Pressure (H) 1652 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

11/30/80

Date _____

Test Ticket No. 8785

Recorder No. 1563

Capacity 4200

Location 3067 Ft.

Clock No. --

Elevation 1728 Kelly Bushing

Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1660 P.S.I.	Open Tool	7:20A M	
B First Initial Flow Pressure	47 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	41 P.S.I.	Initial Closed-in Pressure	30 Mins.	33 Mins.
D Initial Closed-in Pressure	1000 P.S.I.	Second Flow Pressure	45 Mins.	40 Mins.
E Second Initial Flow Pressure	80 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	76 P.S.I.			
G Final Closed-in Pressure	979 P.S.I.			
H Final Hydrostatic Mud	1652 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: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 8 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	47	0	41	0	80	0	76
P 2 5	43	3	91	5	71	3	121
P 3 10	39	6	323	10	71	6	289
P 4 15	39	9	585	15	71	9	500
P 5 20	39	12	738	20	71	12	638
P 6 25	39	15	821	25	71	15	738
P 7 30	41	18	885	30	71	18	800
P 8		21	919	35	73	21	845
P 9		24	947	40	76	24	877
P10		27	966			27	902
P11		30	985			30	926
P12		33	1000			33	938
P13						36	953
P14						39	964
P15						42	977
P16						45	979
P17							
P18							
P19							
P20							



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

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 8786

Elevation 1728 KB Formation ARBUCKLE Eff. Pay Ft.

District GREAT BEND Date 12-1-80 Customer Order No.

COMPANY NAME Petroleum ENERGY INC

ADDRESS Suite 210 120 Building Wichita KS 67202

LEASE AND WELL NO. SHARPE #1 COUNTY Rice STATE KS Sec. 27 Twp. 18S Rge. 9W

Mail Invoice To SAME Co. Name SAME Address SAME City Emporia No. Copies Requested 5

Mail Charts To SAME Address SAME City Emporia No. Copies Requested 5

Formation Test No. 3 Interval Tested from 3211 ft. to 3276 ft. Total Depth 3276 ft.

Packer Depth 3206 ft. Size 65/8 in. Packer Depth 3211 ft. Size 65/8 in.

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

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3213 ft. Recorder Number 1563 Cap 4200

Bottom Recorder Depth (Outside) 3216 ft. Recorder Number 1562 Cap 3900

Below Straddle Recorder Depth ft. Recorder Number Cap

Drilling Contractor White & Ellis Rig #2 Drill Collar Length 235 I. D. 2 1/4 in.

Mud Type SARM 54 Clay Viscosity 43 Weight Pipe Length I. D. in.

Weight 10.1 Water Loss 13.6 cc. Drill Pipe Length 2954 I. D. 3.8 in.

Chlorides 92.000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make Serial Number Anchor Length 65 ft. Size 5 1/2 in.

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

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

Blow: 1st Blow Strong off Bottom of Bucket Thru Out Test

2nd Blow Strong off Bottom of Bucket

Recovered 2100 ft. of Water 41,000 Chlorides PPM

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time On Location 11:00 A.M. Time Pick Up Tool 11:30 A.M. Time Off Location 6:30 P.M.

Time Set Packer(s) 12:30 P.M. Time Started Off Bottom 3:00 P.M. Maximum Temperature 1170

Initial Hydrostatic Pressure (A) 1723 P.S.I.

Initial Flow Period Minutes 45 (B) 64 P.S.I. to (C) 398 P.S.I.

Initial Closed In Period Minutes 30 (D) 1090 P.S.I.

Final Flow Period Minutes 45 (E) 441 P.S.I. to (F) 623 P.S.I.

Final Closed In Period Minutes 30 (G) 1090 P.S.I.

Final Hydrostatic Pressure (H) 1713 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 \$550.00

Misrun \$

Straddle Test \$

Jars \$

Selective Zone \$

Safety Joint \$

Standby \$

Evaluation \$

Extra Packer \$

Circ. Sub. \$30.00

Mileage N/C \$

Fluid Sampler \$

Extra Charts \$

Insurance \$

TOTAL \$580.00

WESTERN TESTING CO., INC.

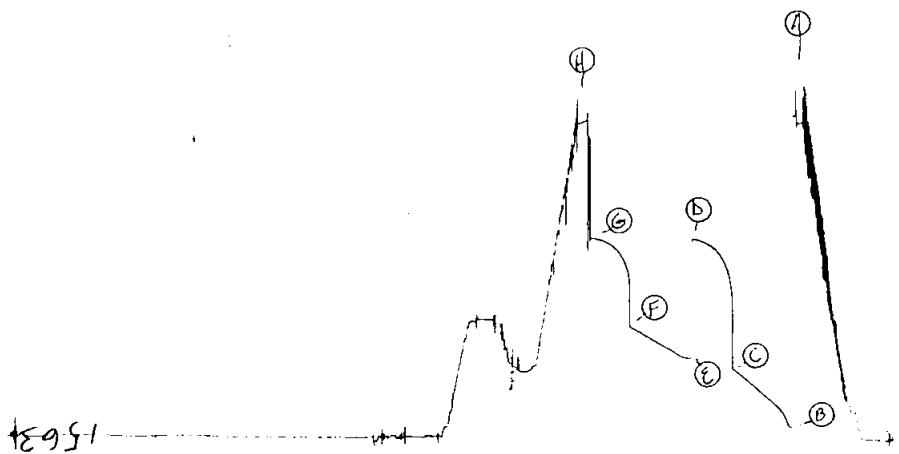
Pressure Data

Date 12-1 Test Ticket No. 8786
 Recorder No. 1563 Capacity 4200 Location 3213 Ft.
 Clock No. _____ Elevation 1728 KB Well Temperature 117 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 1722 P.S.I. Open Tool 12:30 P.M.
 B First Initial Flow Pressure 65 P.S.I. First Flow Pressure 45 Mins. 45 Mins.
 C First Final Flow Pressure 392 P.S.I. Initial Closed-in Pressure 30 Mins. 30 Mins.
 D Initial Closed-in Pressure 1097 P.S.I. Second Flow Pressure 45 Mins. 45 Mins.
 E Second Initial Flow Pressure 446 P.S.I. Final Closed-in Pressure 30 Mins. 30 Mins.
 F Second Final Flow Pressure 621 P.S.I.
 G Final Closed-in Pressure 1101 P.S.I.
 H Final Hydrostatic Mud 1713 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>9</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	<u>65</u>	0	<u>392</u>	0	<u>446</u>	0	<u>621</u>
P 2 5	<u>119</u>	3	<u>877</u>	5	<u>455</u>	3	<u>932</u>
P 3 10	<u>177</u>	6	<u>943</u>	10	<u>472</u>	6	<u>987</u>
P 4 15	<u>216</u>	9	<u>991</u>	15	<u>500</u>	9	<u>1019</u>
P 5 20	<u>246</u>	12	<u>1023</u>	20	<u>517</u>	12	<u>1044</u>
P 6 25	<u>280</u>	15	<u>1046</u>	25	<u>538</u>	15	<u>1063</u>
P 7 30	<u>313</u>	18	<u>1063</u>	30	<u>562</u>	18	<u>1076</u>
P 8 35	<u>343</u>	21	<u>1076</u>	35	<u>579</u>	21	<u>1086</u>
P 9 40	<u>371</u>	24	<u>1084</u>	40	<u>598</u>	24	<u>1093</u>
P10 45	<u>392</u>	27	<u>1091</u>	45	<u>621</u>	27	<u>1097</u>
P11 50		30	<u>1097</u>	50		30	<u>1101</u>
P12 55		33		55		33	
P13 60		36		60		36	
P14		39		65		39	
P15		42		70		42	
P16		45		75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

TRT # 5786
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15634

Company Petroleum Energy, Inc. Lease & Well No. Sharpe #1
Elevation 1728 Kelly Bushing Arbuckle Formation Effective Pay - Ft. Ticker No. 8786
Date 12/1/80 Sec. 27 Twp. 18S Range 9W County Rice State Kansas
Test Approved by Jim Musgrove Western Representative Cliff Scheuerman
Formation Test No. 3 Interval Tested from 3211 ft. to 3276 ft. Total Depth 3276 ft.
Packer Depth 3206 ft. Size 6 5/8 in. Packer Depth 3211 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) 3213 ft. Recorder Number 1563 Cap. 4200
Bottom Recorder Depth (Outside) 3216 ft. Recorder Number 1562 Cap. 3900
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor White & Ellis Drlg. Rig #2 Drill Collar Length 235 I. D. 2 1/4 in.
Mud Type starch-salt-clay Viscosity 43 Weight Pipe Length - I. D. - in.
Weight 10.1 Water Loss 13.6 cc. Drill Pipe Length 2954 I. D. 3.8 in.
Chlorides 92,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 in.
Jars: Make - Serial Number - Anchor Length 65 ft. Size 5 1/2 in.
Did Well Flow? No Reversed Out Yes 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; off bottom of bucket throughout test.

Recovered 2100 ft. of water 41,000 chlorides ppm

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 12:30 ~~AM~~ P.M. Time Started Off Bottom 3:00 ~~AM~~ P.M. Maximum Temperature 117°
Initial Hydrostatic Pressure 1722 P.S.I. (A)
Initial Flow Period 45 Minutes (B) 65 P.S.I. to (C) 392 P.S.I.
Initial Closed In Period 30 Minutes (D) 1097 P.S.I.
Final Flow Period 45 Minutes (E) 446 P.S.I. to (F) 621 P.S.I.
Final Closed In Period 30 Minutes (G) 1101 P.S.I.
Final Hydrostatic Pressure 1713 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 12/1/80
 Recorder No. 1563 Capacity 4200 Test Ticket No. 8786
 Clock No. - Elevation 1728 Kelly Bushing Location 3213 Ft.
 Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1722</u> P.S.I.	Open Tool	<u>12:30P</u> M	
B First Initial Flow Pressure	<u>65</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>392</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1097</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>446</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>621</u> P.S.I.			
G Final Closed-in Pressure	<u>1101</u> P.S.I.			
H Final Hydrostatic Mud	<u>1713</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>10</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>10</u> Inc. of <u>3</u> mins. and a 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>65</u>	<u>0</u>	<u>392</u>	<u>0</u>	<u>446</u>	<u>0</u>	<u>623</u>
P 2 <u>5</u>	<u>119</u>	<u>3</u>	<u>877</u>	<u>5</u>	<u>455</u>	<u>3</u>	<u>932</u>
P 3 <u>10</u>	<u>177</u>	<u>6</u>	<u>943</u>	<u>10</u>	<u>472</u>	<u>6</u>	<u>987</u>
P 4 <u>15</u>	<u>216</u>	<u>9</u>	<u>991</u>	<u>15</u>	<u>500</u>	<u>9</u>	<u>1019</u>
P 5 <u>20</u>	<u>246</u>	<u>12</u>	<u>1023</u>	<u>20</u>	<u>517</u>	<u>12</u>	<u>1044</u>
P 6 <u>25</u>	<u>280</u>	<u>15</u>	<u>1046</u>	<u>25</u>	<u>538</u>	<u>15</u>	<u>1063</u>
P 7 <u>30</u>	<u>313</u>	<u>18</u>	<u>1063</u>	<u>30</u>	<u>562</u>	<u>18</u>	<u>1076</u>
P 8 <u>35</u>	<u>343</u>	<u>21</u>	<u>1076</u>	<u>35</u>	<u>579</u>	<u>21</u>	<u>1086</u>
P 9 <u>40</u>	<u>371</u>	<u>24</u>	<u>1084</u>	<u>40</u>	<u>598</u>	<u>24</u>	<u>1093</u>
P10 <u>45</u>	<u>392</u>	<u>27</u>	<u>1091</u>	<u>45</u>	<u>621</u>	<u>27</u>	<u>1097</u>
P11		<u>30</u>	<u>1097</u>			<u>30</u>	<u>1101</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							