



WESTERN TESTING CO., Inc.

P. O. Box 1599

WICHITA, KANSAS

67201

DATE 3/3/80

Petroleum Energy, Inc.
One Twenty Building, Suite 710,
Wichita, Kansas 67202

Per request one copy to Jim Musgrove, Gt. Bend

Well Report No.

5509

Unit No.

District

FOR CUSTOMER'S USE ONLY

Register No.

Voucher No.

Terms Approved

Price Approved

Calculations Checked

Adjustments

Accounting Distribution

Your Order No.

Owner

Contractor

Audited

Final Approval

Well No.

Farm

County

Sec.

Twp.

Range

#1

Frevert

Ellsworth

1

17S

10W

One drill stem test from 3027' to 3039'

(Test 1)

\$ 500.00

POSTED

Discount \$ 5.00	1% Discount Allowed on This Invoice If Paid by 20th of Following Month	Invoice No. 5509
IN REMITTING PLEASE GIVE OUR INVOICE NUMBER ✓		

SEND ALL REMITTANCES TO POST OFFICE BOX 1599, WICHITA, KANSAS 67201

CHARGE TO



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 5509

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

Elevation 1811 KB. Formation K.C. Eff. Pay — Ft.

District Great Bend Date 3-3-80 Customer Order No. —

COMPANY NAME Petroleum Energy Inc.
ADDRESS One Twenty Bldg., Suite 710, Wichita, Kansas 67202
LEASE AND WELL NO. Fremont #10K COUNTY Ellsworth STATE Kansas Sec. 1 Twp 17^S Rge 10^W
Mail Invoice To Same as above No. Copies Requested 5
Co. Name Same as above Address Same as above No. Copies Requested 5

Formation Test No. 3027 Interval Tested from 3027 ft. to 3039 ft. Total Depth 3039 ft.
Packer Depth 3022 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.
Packer Depth 3027 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.
Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3029 ft. Recorder Number 10979 Cap. 4100
Bottom Recorder Depth (Outside) 3032 ft. Recorder Number 1563 Cap. 4200
Below Straddle Recorder Depth — ft. Recorder Number — Cap. —
Drilling Contractor White + Ellis Drilling Co. Rig #2 Drill Collar Length 344 I. D. 2 1/4 in.
Mud Type Starch Viscosity 40 Weight Pipe Length — I. D. — in.
Weight 9.6 Water Loss 7.6 cc. Drill Pipe Length 2662 I. D. 3.8 in.
Chlorides 64,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
Jars: Make — Serial Number — Anchor Length 13 1/4 ft. Size 5 1/2 in.
Did Well Flow? Yes Reversed Out No Surface Choke Size 7 7/8 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Gas to surface in 28 min. (Gaged 7,120 CFM max)

Recovered 70' ft. of Thin waterf GAS CUT MUD (chlorides-67,000)
Recovered — ft. of —
Recovered — ft. of —
Recovered — ft. of —
Recovered — ft. of —
Remarks: See "Gas flow report"

Time Set Packer(s) 4:45 A.M. Time Started Off Bottom 7:15 A.M. Maximum Temperature 99
Initial Hydrostatic Pressure 1538 P.S.I. (A) 21 P.S.I. to (C) 21 P.S.I.
Initial Flow Period 30 Minutes (B) 1004 P.S.I. to (F) 21 P.S.I.
Initial Closed In Period 30 Minutes (D) 21 P.S.I. to (F) 21 P.S.I.
Final Flow Period 45 Minutes (E) 1014 P.S.I. to (F) 21 P.S.I.
Final Closed In Period 45 Minutes (G) 1538 P.S.I. to (F) 21 P.S.I.
Final Hydrostatic Pressure 1538 P.S.I. (H)

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 Demon Woznia
Thank You
[Signature]

FIELD INVOICE

Open Hole Test \$ 500.00
Misrun \$ —
Straddle Test \$ —
Jars \$ —
Selective Zone \$ —
Safety Joint \$ —
Standby \$ —
Evaluation \$ —
Extra Packer \$ —
Circ. Sub. \$ —
Mileage \$ —
Fluid Sampler \$ —
Extra Charts \$ —

TOTAL \$ 500.00



GAS FLOW REPORT

N^o 1825

Date 3-3-80 Ticket 5509 Company Petroleum Energy Inc.
 Well Name and No. Frevert #1 Dst No. 1 Interval Tested 3027-3039
 County Ellsworth State Kansas Sec. 1 Twp. 17 Rg. 10

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
PRE FLOW					
<u>Gas to surface in 28 min</u>					

SECOND FLOW

<u>10 min</u>	<u>18 H₂O</u>	<u>1/4"</u>	<u>---</u>	<u>OK 7,120 CFPD</u>	
<u>20 min</u>	<u>11 H₂O</u>	<u>1/4"</u>	<u>---</u>	<u>7,750 CFPD</u>	<u>5600</u>
<u>30 min</u>	<u>9 H₂O</u>	<u>1/4"</u>	<u>---</u>	<u>5,900 CFPD</u>	<u>3,050</u>
<u>40 min</u>	<u>10 H₂O</u>	<u>1/4"</u>	<u>---</u>	<u>6,700 CFPD</u>	<u>5,320</u>
<u>45 min</u>	<u>9 H₂O</u>	<u>1/4"</u>	<u>---</u>	<u>5,900 CFPD</u>	<u>5,050</u>

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME

Authorized by

WESTERN TESTING CO., INC.

Pressure Data

Date 3-3-80

Test Ticket No. 5509

Recorder No. 10979

Capacity 4180

Location 3029 Ft.

Clock No. _____ Elevation 1811 KB

Well Temperature 99 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1539</u>	P.S.I.	<u>4:45</u> P M	
B First Initial Flow Pressure	<u>25</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>17</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1018</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>24</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>23</u>	P.S.I.		
G Final Closed-in Pressure	<u>1016</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1535</u>	P.S.I.		

PRESSURE BREAKDOWN

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

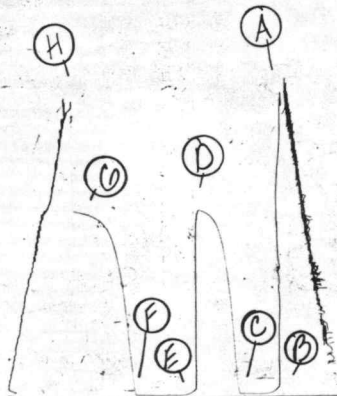
Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 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>25</u>	0	<u>17</u>	0	<u>24</u>	0	<u>23</u>
P 2 5	<u>25</u>	3	<u>185</u>	5	<u>24</u>	3	<u>185</u>
P 3 10	<u>17</u>	6	<u>456</u>	10	<u>17</u>	6	<u>393</u>
P 4 15		9	<u>656</u>	15	<u>17</u>	9	<u>573</u>
P 5 20		12	<u>796</u>	20	<u>17</u>	12	<u>702</u>
P 6 25		15	<u>890</u>	25	<u>18</u>	15	<u>813</u>
P 7 30	<u>17</u>	18	<u>950</u>	30	<u>19</u>	18	<u>877</u>
P 8 35		21	<u>981</u>	35	<u>20</u>	21	<u>923</u>
P 9 40		24	<u>999</u>	40	<u>22</u>	24	<u>952</u>
P10 45		27	<u>1010</u>	45	<u>23</u>	27	<u>971</u>
P11 50		30	<u>1018</u>	50		30	<u>985</u>
P12 55		33		55		33	<u>992</u>
P13 60		36		60		36	<u>998</u>
P14		39		65		39	<u>1004</u>
P15		42		70		42	<u>1010</u>
P16		45		75		45	<u>1016</u>
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60				60	

TK4 # 5509
I



Time Set Packer(s)	4:45	A.M. P.M.	Time Started Off Bottom	7:15	A.M. P.M.	Maximum Temperature	99°
Initial Hydrostatic Pressure			(A)	1539	P.S.I.		
Initial Flow Period	Minutes	30	(B)	25	P.S.I. to (C)	17	P.S.I.
Initial Closed In Period	Minutes	30	(D)	1018	P.S.I.		
Final Flow Period	Minutes	45	(E)	24	P.S.I. to (F)	23	P.S.I.
Final Closed In Period	Minutes	45	(G)	1016	P.S.I.		
Final Hydrostatic Pressure			(H)	1535	P.S.I.		

GAS FLOW REPORT

Date 3/3/80 Ticket 5509 Company Petroleum Energy, Inc.
 Well Name and No. Frevert #1 Dst No. 1 Interval Tested 3027'-3039'
 County Ellsworth State Kansas Sec. 1 Twp. 17S Rg. 10W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
---------------------	--------------------	-------------------------------------	------------------------	------------------------------	-------------------------	---------------------

PRE FLOW

GAS TO SURFACE IN TWENTY-EIGHT MINUTES.					

SECOND FLOW

10 min.	18" of water	1/4" orifice	7,120 CFPD
20 min.	11" of water	1/4" orifice	5,600 CFPD
30 min.	9" of water	1/4" orifice	5,050 CFPD
40 min.	10" of water	1/4" orifice	5,320 CFPD
45 min.	9" of water	1/4" orifice	5,050 CFPD

GAS BOTTLE

Serial No. ----- Date Bottle Filled ----- Date to be Invoiced 3/3/80

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Petroleum Energy, Inc.
 Authorized by Jim Musgrove

WESTERN TESTING CO., INC.

Pressure Data

Date 3/3/80 Test Ticket No. 5509
 Recorder No. 10979 Capacity 4180 Location 3029 Ft.
 Clock No. -- Elevation 1811 Kelly Bushing Well Temperature 99 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1539 P.S.I.	Open Tool	4:45P M	
B First Initial Flow Pressure	25 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	17 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1018 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	24 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	23 P.S.I.			
G Final Closed-in Pressure	1016 P.S.I.			
H Final Hydrostatic Mud	1535 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</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.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>25</u>	<u>0</u>	<u>17</u>	<u>0</u>	<u>24</u>	<u>0</u>	<u>23</u>
P 2 <u>5</u>	<u>25</u>	<u>3</u>	<u>185</u>	<u>5</u>	<u>24</u>	<u>3</u>	<u>185</u>
P 3 <u>10</u>	<u>17</u>	<u>6</u>	<u>456</u>	<u>10</u>	<u>17</u>	<u>6</u>	<u>393</u>
P 4 <u>15</u>	<u>17</u>	<u>9</u>	<u>656</u>	<u>15</u>	<u>17</u>	<u>9</u>	<u>573</u>
P 5 <u>20</u>	<u>17</u>	<u>12</u>	<u>796</u>	<u>20</u>	<u>17</u>	<u>12</u>	<u>702</u>
P 6 <u>25</u>	<u>17</u>	<u>15</u>	<u>890</u>	<u>25</u>	<u>18</u>	<u>15</u>	<u>813</u>
P 7 <u>30</u>	<u>17</u>	<u>18</u>	<u>950</u>	<u>30</u>	<u>19</u>	<u>18</u>	<u>877</u>
P 8		<u>21</u>	<u>981</u>	<u>35</u>	<u>20</u>	<u>21</u>	<u>923</u>
P 9		<u>24</u>	<u>999</u>	<u>40</u>	<u>22</u>	<u>24</u>	<u>952</u>
P10		<u>27</u>	<u>1010</u>	<u>45</u>	<u>23</u>	<u>27</u>	<u>971</u>
P11		<u>30</u>	<u>1018</u>			<u>30</u>	<u>985</u>
P12						<u>33</u>	<u>992</u>
P13						<u>36</u>	<u>998</u>
P14						<u>39</u>	<u>1004</u>
P15						<u>42</u>	<u>1010</u>
P16						<u>45</u>	<u>1016</u>
P17							
P18							
P19							
P20							



WESTERN TESTING CO., Inc.
P. O. Box 1599
WICHITA, KANSAS
67201

DATE 3/5/80

Well Report No.
Unit No.
District

5510

FOR CUSTOMER'S USE ONLY

Register No.

Voucher No.

Terms Approved

Price Approved

Calculations Checked

Adjustments

Accounting Distribution

Per request: one copy to Jim Musgrove,
Bend, Ks.

Your Order No.

Owner

Contractor

Audited

Final Approval

Well No.

Farm

County

Sec.

Twp.

Range

#1

Prevert

Ellsworth

1

17S

10W

One drill stem test from 3260' to 3265'

(Test 2)

\$ 500.00

POSTED

Discount \$ 5.00	1% Discount Allowed on This Invoice If Paid by 20th of Following Month	Invoice No. 5510
IN REMITTING PLEASE GIVE OUR INVOICE NUMBER		

SEND ALL REMITTANCES TO POST OFFICE BOX 1599, WICHITA, KANSAS 67201

CHARGE TO

Petroleum Energy, Inc.
One Twenty Building, Suite 710
Wichita, Kansas 67202



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 5510

P. O. BOX 1599 PHONE (316) 838-0601

WICHITA, KANSAS 67201

Elevation 1811 KB. Formation #1 Arb. Eff. Pay — Ft.

Petroleum Engery, Inc. District Great Bend Date 3-5-80 Customer Order No. —
COMPANY NAME One Twenty Bldg Suite 710, Wichita, KS 67202

ADDRESS —

LEASE AND WELL NO. FREVERT #1 COUNTY Ellsworth STATE KS Sec. 1 Twp 17 Rge 10W

Mail Invoice To Same As Above Co. Name — Address — No. Copies Requested 58

Mail Charts To Same As Above Address — No. Copies Requested 158

Formation Test No. 2 Interval Tested from 3260 ft. to 3265 ft. Total Depth 3265 ft.
Packer Depth 3260 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.
Packer Depth 3255 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.
Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3244 ft. Recorder Number 10979 Cap. 4100
Bottom Recorder Depth (Outside) 3247 ft. Recorder Number 1563 Cap. 4200
Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor White & Ellis Drilling Co. Rig #2 Drill Collar Length 344 I. D. 2 1/4 in.
Mud Type starch Viscosity 40 Weight Pipe Length — I. D. — in.
Weight 9.6 Water Loss 7.6 cc. Drill Pipe Length 2888 I. D. 3.8 in.
Chlorides 49,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.
Jars: Make — Serial Number — Anchor Length 5 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: Very weak blow — died in 15 min.

Recovered 10 ft. of Oil cut mud (free oil top of tool) (chlorides, 65,000 ppm)
Recovered — ft. of —
Recovered — ft. of —
Recovered — ft. of —
Recovered — ft. of —

Remarks: Read bottom chart

Time Set Packer(s) 3:15 AM Time Started Off Bottom 4:35 AM Maximum Temperature 105
Initial Hydrostatic Pressure — (A) 1713 P.S.I.
Initial Flow Period 20 Minutes (B) 21 P.S.I. to (C) 21 P.S.I.
Initial Closed In Period 20 Minutes (D) 21 P.S.I.
Final Flow Period 20 Minutes (E) 21 P.S.I. to (F) 21 P.S.I.
Final Closed In Period 20 Minutes (G) 21 P.S.I.
Final Hydrostatic Pressure — (H) 1691 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 Vernon Wondra

Thank You
Jene Cherkant.

FIELD INVOICE

Open Hole Test \$ 500.00
Misrun \$ —
Straddle Test \$ —
Jars \$ —
Selective Zone \$ —
Safety Joint \$ —
Standby \$ —
Evaluation \$ —
Extra Packer \$ —
Circ. Sub. \$ —
Mileage \$ —
Fluid Sampler \$ —
Extra Charts \$ —

TOTAL \$ 500.00

WESTERN TESTING CO., INC.

Pressure Data

Date 3-5-80

Test Ticket No. 5510

Recorder No. 1563

Capacity 4100

Location 3244 Ft.

Clock No. _____

Elevation 1811 KB

Well Temperature 105 °F

Point

Pressure

Time Given

Time Computed

A Initial Hydrostatic Mud 1709 P.S.I.
 B First Initial Flow Pressure 28 P.S.I.
 C First Final Flow Pressure 28 P.S.I.
 D Initial Closed-in Pressure 28 P.S.I.
 E Second Initial Flow Pressure 28 P.S.I.
 F Second Final Flow Pressure 28 P.S.I.
 G Final Closed-in Pressure 28 P.S.I.
 H Final Hydrostatic Mud 1692 P.S.I.

Open Tool

3115 A.M.

First Flow Pressure

20 Mins. 20 Mins.

Initial Closed-in Pressure

20 Mins. 18 Mins.

Second Flow Pressure

20 Mins. 20 Mins.

Final Closed-in Pressure

20 Mins. 20 Mins.

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: 4 Inc.

of 5 mins. and a

final inc. of 0 Min.

Initial Shut-In

Breakdown: 6 Inc.

of 3 mins. and a

final inc. of 0 Min.

Second Flow Pressure

Breakdown: 4 Inc.

of 5 mins. and a

final inc. of 0 Min.

Final Shut-In

Breakdown: 6 Inc.

of 3 mins. and a

final inc. of 0 Min.

WATCH

Point
Mins.

Press.

P 1	0	28
P 2	5	
P 3	10	
P 4	15	
P 5	20	28
P 6	25	
P 7	30	
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	28
3	
6	
9	
12	
15	
18	28
21	
24	
27	
30	
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	

Point
Minutes

Press.

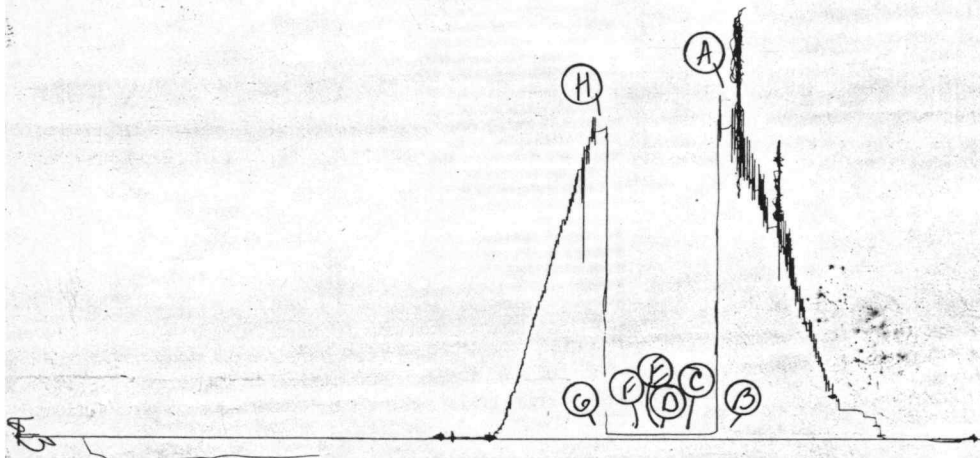
0	28
5	
10	
15	
20	28
25	
30	
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	

Point
Minutes

Press.

0	28
3	
6	
9	
12	
15	
18	
20	28
24	
27	
30	
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	

TKL# 5510
0



Company Petroleum Energy, Inc. Lease & Well No. Frevert #1
Elevation 1811 Kelly Bushing Arbuckle Formation Effective Pay --- Ft. Ticket No. 5510
Date 3/5/80 Sec. 1 Twp. 17S Range 10W County Ellsworth State Kansas

Test Approved by Jim Musgrove Western Representative Vernon Wondra

Formation Test No. 2 Interval Tested from 3260 ft. to 3265 ft. Total Depth 3265 ft.

Packer Depth 3260 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3255 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3244 ft. Recorder Number 10979 Cap. 4100

Bottom Recorder Depth (Outside) 3247 ft. Recorder Number 1563 Cap. 4200

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

Drilling Contractor White & Ellis Drilling Co. Rod Collar Length 344 I. D. 2 1/4 in.

Mud Type starch Viscosity 40 Weight Pipe Length - I. D. - in.

Weight 9.6 Water Loss 7.6 cc. Drill Pipe Length 2888 I. D. 3.8 in.

Chlorides 64,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.

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

Did Well Flow? NO Reversed Out N O 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 fifteen minutes.

Recovered 10 ft. of oil cut mud (free oil top of tool) chlorides 65,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: READ BOTTOM CHART

Time Set Packer(s) 3:15 A.M. P.M. Time Started Off Bottom 4:35 A.M. P.M. Maximum Temperature 105°

Initial Hydrostatic Pressure (A) 1709 P.S.I.

Initial Flow Period Minutes 20 (B) 28 P.S.I. to (C) 28 P.S.I.

Initial Closed In Period Minutes 18 (D) 28 P.S.I.

Final Flow Period Minutes 20 (E) 28 P.S.I. to (F) 28 P.S.I.

Final Closed In Period Minutes 20 (G) 28 P.S.I.

Final Hydrostatic Pressure (H) 1692 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 3/5/80 Recorder No. 1563 Capacity 4100 Test Ticket No. 5510
 Clock No. ----- Elevation 1811 Kelly Bushing Location 3244 Ft. Well Temperature 105 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1709	P.S.I.	3:15A	M
B First Initial Flow Pressure	28	P.S.I.	20	Mins. 20 Mins.
C First Final Flow Pressure	28	P.S.I.	20	Mins. 18 Mins.
D Initial Closed-in Pressure	28	P.S.I.	20	Mins. 20 Mins.
E Second Initial Flow Pressure	28	P.S.I.	20	Mins. 20 Mins.
F Second Final Flow Pressure	28	P.S.I.	20	Mins. 20 Mins.
G Final Closed-in Pressure	28	P.S.I.		
H Final Hydrostatic Mud	1692	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>4</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>4</u> Inc.		Breakdown: <u>6</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>2</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	28	<u>0</u>	28	<u>0</u>	28	<u>0</u>	28
P 2 <u>5</u>	28	<u>3</u>	28	<u>5</u>	28	<u>3</u>	28
P 3 <u>10</u>	28	<u>6</u>	28	<u>10</u>	28	<u>6</u>	28
P 4 <u>15</u>	28	<u>9</u>	28	<u>15</u>	28	<u>9</u>	28
P 5 <u>20</u>	28	<u>12</u>	28	<u>20</u>	28	<u>12</u>	28
P 6 _____		<u>15</u>	28			<u>15</u>	28
P 7 _____		<u>18</u>	28			<u>18</u>	28
P 8 _____						<u>20</u>	28
P 9 _____							
P10 _____							
P11 _____							
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							



WESTERN TESTING CO., Inc.
P. O. Box 1599
WICHITA, KANSAS
67201

DATE 3/5/80

Petroleum Energy, Inc.
One Twenty Building, Suite 710
Wichita, Kansas 67202

CHARGE TO

Well Report No.
Unit No.
District

FOR CUSTOMER'S USE ONLY

Register No.

Voucher No.

Terms Approved

Price Approved

Calculations Checked

Adjustments

Accounting Distribution

Audited

Final Approval

Your Order No.

Owner

Contractor

Well No.

Farm

County

Sec.

Twp.

Range

#1

Frevert

Ellsworth

1

17S

10W

One drill stem test from 3265' to 3277'

(Test 3)

\$ 500.00

POSTED

Discount \$ 5.00	1% Discount Allowed on This Invoice If Paid by 20th of Following Month	Invoice No. 5511
IN REMITTING PLEASE GIVE OUR INVOICE NUMBER		

SEND ALL REMITTANCES TO POST OFFICE BOX 1599, WICHITA, KANSAS 67201



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 5511

P. O. BOX 1599 PHONE (316) 838-0601

WICHITA, KANSAS 67201

Elevation 1811 KB Formation Arb Eff. Pay — Ft.

District Great Bend Date 3-5-80 Customer Order No. —

COMPANY NAME Petroleum Engery Inc

ADDRESS One Twenty Bldg Suite 710 Wichita, K 67202

LEASE AND WELL NO. FREVERT #10 COUNTY Ellsworth STATE KS Sec. 1 Twp 17 Rge 10W

Mail Invoice To Same As Above No. Copies Requested 5

Co. Name Same As Above Address —

Mail Charts To Same As Above No. Copies Requested 5

Formation Test No. 3 Interval Tested from 3265 ft. to 3277 ft. Total Depth 3277 ft.

Packer Depth 3260 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Packer Depth 3265 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3267 ft. Recorder Number 10979 Cap. 4100

Bottom Recorder Depth (Outside) 3270 ft. Recorder Number 1363 Cap. 4200

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

Drilling Contractor White + Ellis Rig #2 Drill Collar Length 344 I. D. 2 1/4 in.

Mud Type Starck + Salt Gel Viscosity 39 Weight Pipe Length — I. D. — in.

Weight 9.6 Water Loss 14.0 cc. Drill Pipe Length 2900 I. D. 3.8 in.

Chlorides 48000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 00 in.

Jars: Make — Serial Number — Anchor Length 12 ft. Size 5 1/2 00 in.

Did Well Flow? — 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 - Died in 5 min.

Recovered 60 ft. of Mud (Free oil on top of tool)

Recovered — ft. of —

Recovered — ft. of —

Recovered — ft. of —

Recovered — ft. of —

Remarks: Slid tool 5' to bottom. Picked up fluid while sliding.

Flushed tool on 2nd opening. Slight plugging on 1st opening.

Time Set Packer(s) 5:00 A.M. Time Started Off Bottom 6:00 A.M. Maximum Temperature 107

Initial Hydrostatic Pressure 1682 P.S.I.

Initial Flow Period 15 Minutes (B) 63 P.S.I. to (C) 63 P.S.I.

Initial Closed In Period 15 Minutes (D) 743 P.S.I.

Final Flow Period 15 Minutes (E) 42 P.S.I. to (F) 42 P.S.I.

Final Closed In Period 15 Minutes (G) 483 P.S.I.

Final Hydrostatic Pressure 1672 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 \$ 500.00
Misrun \$ —
Straddle Test \$ —
Jars \$ —
Selective Zone \$ —
Safety Joint \$ —
Standby \$ —
Evaluation \$ —
Extra Packer \$ —
Circ. Sub. \$ —
Mileage \$ —
Fluid Sampler \$ —
Extra Charts \$ —

TOTAL \$ 500.00

WESTERN TESTING CO., INC.

Pressure Data

Date 3-5-80 Recorder No. 10979 Capacity 4100 Test Ticket No. 5511
 Clock No. _____ Elevation 1811 KB Location 3267 Ft. _____
 Well Temperature 107 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1684</u> P.S.I.	Open Tool	<u>5:00</u> P	M
B First Initial Flow Pressure	<u>73</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>76</u> P.S.I.	Initial Closed-in Pressure	<u>15</u> Mins.	<u>15</u> Mins.
D Initial Closed-in Pressure	<u>740</u> P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>39</u> P.S.I.	Final Closed-in Pressure	<u>15</u> Mins.	<u>15</u> Mins.
F Second Final Flow Pressure	<u>32</u> P.S.I.			
G Final Closed-in Pressure	<u>481</u> P.S.I.			
H Final Hydrostatic Mud	<u>1662</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 3 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

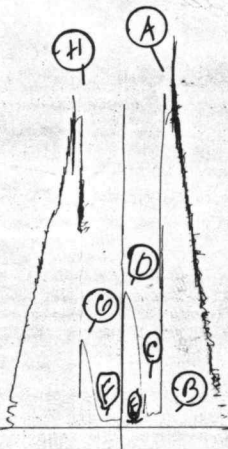
Initial Shut-In
 Breakdown: 5 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 3 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 5 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>73</u>	0	<u>76</u>	0	<u>39</u>	0	<u>32</u>
P 2 5	<u>67</u>	3	<u>347</u>	5	<u>38</u>	3	<u>69</u>
P 3 10	<u>57</u>	6	<u>563</u>	10	<u>36</u>	6	<u>160</u>
P 4 15	<u>76</u>	9	<u>668</u>	15	<u>32</u>	9	<u>296</u>
P 5 20		12	<u>725</u>	20		12	<u>408</u>
P 6 25		15	<u>740</u>	25		15	<u>481</u>
P 7 30		18		30		18	
P 8 35		21		35		21	
P 9 40		24		40		24	
P10 45		27		45		27	
P11 50		30		50		30	
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	

TR4 #5511
I



Company Petroleum Energy, Inc. Lease & Well No. Frevert #1
Elevation 1811 Kelly Bushing Formation Arbuckle Effective Pay --- Ft. Ticket No. 5511
Date 3/5/80 Sec. 1 Twp. 17S Range 10W County Ellsworth State Kansas
Test Approved by Jim Musgrove Western Representative Vernon Wondra
Formation Test No. 3 Interval Tested from 3265 ft. to 3277 ft. Total Depth 3277 ft.
Packer Depth 3260 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3265 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set --
Top Recorder Depth (Inside) 3267 ft. Recorder Number 10979 Cap. 4100
Bottom Recorder Depth (Outside) 3270 ft. Recorder Number 1563 Cap. 4200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor White & Ellis Drilling Rig #2 Drill Collar Length 344 I. D. 2 1/4 in.
Mud Type starch-salt-gel Viscosity 39 Weight Pipe Length -- I. D. - in.
Weight 9.6 Water Loss 14.0 cc. Drill Pipe Length 2900 I. D. 3.8 in.
Chlorides 48,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
Jars: Make -- Serial Number - Anchor Length 12 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 FH in.

Blow: Very weak; died in five minutes.

Recovered 60 ft. of mud (free oil on top of tool)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Slid tool five feet to bottom. Picked up fluid while sliding; flushed
tool on second opening. Slight plugging on first opening.

Time Set Packer(s) 5:00 ~~AM~~ P.M. Time Started Off Bottom 6:00 ~~AM~~ P.M. Maximum Temperature 107°
Initial Hydrostatic Pressure (A) 1684 P.S.I.
Initial Flow Period Minutes 15 (B) 73 P.S.I. to (C) 76 P.S.I.
Initial Closed In Period Minutes 15 (D) 740 P.S.I.
Final Flow Period Minutes 15 (E) 39 P.S.I. to (F) 32 P.S.I.
Final Closed In Period Minutes 15 (G) 481 P.S.I.
Final Hydrostatic Pressure (H) 1662 P.S.I.

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

Date 3/5/80 Test Ticket No. 5511
 Recorder No. 10979 Capacity 4100 Location 3267 Ft.
 Clock No. ----- Elevation 1811 Kelly Bushing Well Temperature 107 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1684</u> P.S.I.	Open Tool	<u>5:00P</u> M	
B First Initial Flow Pressure	<u>73</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>76</u> P.S.I.	Initial Closed-in Pressure	<u>15</u> Mins.	<u>15</u> Mins.
D Initial Closed-in Pressure	<u>740</u> P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>39</u> P.S.I.	Final Closed-in Pressure	<u>15</u> Mins.	<u>15</u> Mins.
F Second Final Flow Pressure	<u>32</u> P.S.I.			
G Final Closed-in Pressure	<u>481</u> P.S.I.			
H Final Hydrostatic Mud	<u>1662</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>5</u> Inc.		Breakdown: <u>3</u> Inc.		Breakdown: <u>5</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>73</u>	<u>0</u>	<u>76</u>	<u>0</u>	<u>39</u>	<u>0</u>	<u>32</u>
P 2 <u>5</u>	<u>67</u>	<u>3</u>	<u>347</u>	<u>5</u>	<u>38</u>	<u>3</u>	<u>69</u>
P 3 <u>10</u>	<u>57</u>	<u>6</u>	<u>563</u>	<u>10</u>	<u>36</u>	<u>6</u>	<u>160</u>
P 4 <u>15</u>	<u>76</u>	<u>9</u>	<u>668</u>	<u>15</u>	<u>32</u>	<u>9</u>	<u>296</u>
P 5 _____	_____	<u>12</u>	<u>725</u>	_____	_____	<u>12</u>	<u>408</u>
P 6 _____	_____	<u>15</u>	<u>740</u>	_____	_____	<u>15</u>	<u>481</u>
P 7 _____	_____	_____	_____	_____	_____	_____	_____
P 8 _____	_____	_____	_____	_____	_____	_____	_____
P 9 _____	_____	_____	_____	_____	_____	_____	_____
P10 _____	_____	_____	_____	_____	_____	_____	_____
P11 _____	_____	_____	_____	_____	_____	_____	_____
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____



WESTERN TESTING CO., Inc.

P. O. Box 1599

WICHITA, KANSAS

67201

DATE 3/6/80

Petroleum Energy, Inc.

One Twenty Building, Suite 710

Wichita, Kansas 67202

Per request, one copy to Jim Musgrove
Gt. Bend, Ks.

Well Report No.

5512

Unit No.

District

FOR CUSTOMER'S USE ONLY

Register No.

Voucher No.

Terms Approved

Price Approved

Calculations Checked

Adjustments

Accounting Distribution

Your Order No.

Owner

Contractor

Audited

Final Approval

Well No.

Farm

County

Sec.

Twp.

Range

#1

Frevert

Ellsworth

1

17S

10W

One drill stem test from 3277' to 3287'

(Test 4)

\$ 500.00

POSTED

Discount \$ 5.00	1% Discount Allowed on This Invoice If Paid by 20th of Following Month	Invoice No. 5512
IN REMITTING PLEASE GIVE OUR INVOICE NUMBER		

SEND ALL REMITTANCES TO POST OFFICE BOX 1599, WICHITA, KANSAS 67201



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 5512

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

Elevation 1811 KB Formation Arb Eff. Pay — Ft.

District Great Bend Date 3-6-80 Customer Order No. —

COMPANY NAME Petroleum Engery, Inc

ADDRESS One Twenty Bldg. Suite 710 Wichita, K 67202

LEASE AND WELL NO. FREVERT #1 OK COUNTY Ellsworth STATE Ks Sec. 1 Twp. 17 S Rge. 10 W

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. 4 Interval Tested from 3277 ft. to 3287 ft. Total Depth 3287 ft.

Packer Depth 3272 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Packer Depth 3277 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3278 ft. Recorder Number 10979 Cap. 4100

Bottom Recorder Depth (Outside) 3281 ft. Recorder Number 1563 Cap. 4200

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

Drilling Contractor White & Ellis Rig #2 Drill Collar Length 344 I. D. 2 1/4 in.

Mud Type Staroh, Saltgel Viscosity 39 Weight Pipe Length — I. D. — in.

Weight 9.6 Water Loss 14.0 cc. Drill Pipe Length 2912 I. D. 3.8 in.

Chlorides 48,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.

Jars: Make — Serial Number — Anchor Length 10 ft. Size 5 1/2 in.

Did Well Flow? — 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, increased to Good (6")

Recovered 60 ft. of G.I.P.

Recovered 15 ft. of Heavy oil cut mud (Gravity - 46 @ 60°)

Recovered 160 ft. of heavy frothy oil

Recovered 148 ft. of clean Gassy oil

Recovered 2 ft. of water

Remarks: —

Time Set Packer(s) 5:45 A.M. Time Started Off Bottom 8:15 A.M. Maximum Temperature 106°

Initial Hydrostatic Pressure — (A) 1682 P.S.I.

Initial Flow Period 45 Minutes (B) 21 P.S.I. to (C) 52 P.S.I.

Initial Closed In Period 30 Minutes (D) 816 P.S.I.

Final Flow Period 45 Minutes (E) 84 P.S.I. to (F) 105 P.S.I.

Final Closed In Period 30 Minutes (G) 702 P.S.I.

Final Hydrostatic Pressure — (H) 1661 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 \$ 500.00
Misrun \$ —
Straddle Test \$ —
Jars \$ —
Selective Zone \$ —
Safety Joint \$ —
Standby \$ —
Evaluation \$ —
Extra Packer \$ —
Circ. Sub. \$ —
Mileage \$ —
Fluid Sampler \$ —
Extra Charts \$ —

TOTAL \$ 500.00

WESTERN TESTING CO., INC.

Pressure Data

Date 3-6-80 Recorder No. 10979 Capacity 4100 Test Ticket No. 5512 Location 3278 Ft.
Clock No. _____ Elevation 1811 KB Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1674</u>	P.S.I.	<u>5145</u> A M	
B First Initial Flow Pressure	<u>27</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>65</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>819</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>116</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>107</u>	P.S.I.		
G Final Closed-in Pressure	<u>697</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1654</u>	P.S.I.		

PRESSURE BREAKDOWN

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

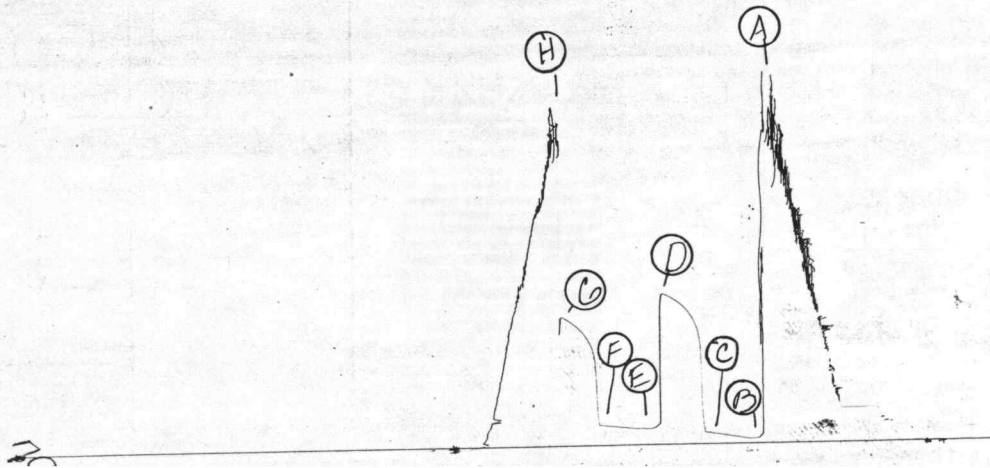
Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

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

Final Shut-In
Breakdown: 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	<u>27</u>	0	<u>65</u>	0	<u>116</u>	0	<u>107</u>
P 2 5	<u>27</u>	3	<u>502</u>	5	<u>88</u>	3	<u>477</u>
P 3 10	<u>27</u>	6	<u>631</u>	10	<u>86</u>	6	<u>544</u>
P 4 15	<u>34</u>	9	<u>683</u>	15	<u>87</u>	9	<u>583</u>
P 5 20	<u>40</u>	12	<u>717</u>	20	<u>890</u>	12	<u>610</u>
P 6 25	<u>45</u>	15	<u>744</u>	25	<u>920</u>	15	<u>635</u>
P 7 30	<u>50</u>	18	<u>765</u>	30	<u>95</u>	18	<u>647</u>
P 8 35	<u>58</u>	21	<u>782</u>	35	<u>98</u>	21	<u>660</u>
P 9 40	<u>63</u>	24	<u>796</u>	40	<u>103</u>	24	<u>673</u>
P10 45	<u>65</u>	27	<u>808</u>	45	<u>107</u>	27	<u>685</u>
P11 50		30	<u>819</u>	50		30	<u>697</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	

~~11/1~~ #5512
I



Company Petroleum Energy, Inc. Lease & Well No. Frevert #1
Elevation 1811 Kelly Bushing Arbuckle Formation Effective Pay --- Ft. Ticket No. 5512
Date 3/6/80 Sec. 1 Twp. 17S Range 10W County Ellsworth State Kansas
Test Approved by Jim Musgrove Western Representative Vernon Wondra

Formation Test No. 4 Interval Tested from 3277 ft. to 3287 ft. Total Depth 3287 ft.

Packer Depth 3272 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3277 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3278 ft. Recorder Number 10979 Cap. 4100

Bottom Recorder Depth (Outside) 3281 ft. Recorder Number 1563 Cap. 4200

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

Drilling Contractor White & Ellis Drlg. Rig #2 Drill Collar Length 344 I. D. 2 1/4 in.

Mud Type starch-salt-gel Viscosity 39 Weight Pipe Length -- I. D. - in.

Weight 9.6 Water Loss 14.0 cc. Drill Pipe Length 2912 I. D. 3.8 in.

Chlorides 48,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.

Jars: Make -- Serial Number - Anchor Length 10 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 FH in.

Blow: Weak, increased to good (6")

Recovered 60 ft. of gas in pipe

Recovered 15 ft. of heavy oil cut mud (gravity 46 @ 60°)

Recovered 160 ft. of muddy frothy oil

Recovered 148 ft. of clean gassy oil

Recovered 2 ft. of water

Remarks:

Time Set Packer(s) 5:45 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 8:15 ~~P.M.~~ ^{A.M.} Maximum Temperature 106°

Initial Hydrostatic Pressure (A) 1674 P.S.I.

Initial Flow Period Minutes 45 (B) 27 P.S.I. to (C) 65 P.S.I.

Initial Closed In Period Minutes 30 (D) 819 P.S.I.

Final Flow Period Minutes 45 (E) 116 P.S.I. to (F) 107 P.S.I.

Final Closed In Period Minutes 30 (G) 697 P.S.I.

Final Hydrostatic Pressure (H) 1654 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 3/6/80
 Recorder No. 10979 Capacity 4100 Test Ticket No. 5512
 Clock No. -- Elevation 1811 Kelly Bushing Location 3278 Ft.
 Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1674 P.S.I.	Open Tool	5:45A M	
B First Initial Flow Pressure	27 P.S.I.	First Flow Pressure	45 Mins.	45 Mins.
C First Final Flow Pressure	65 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	819 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	116 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	107 P.S.I.			
G Final Closed-in Pressure	697 P.S.I.			
H Final Hydrostatic Mud	1654 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: 10 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: 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 <u>0</u>	<u>27</u>	<u>0</u>	<u>65</u>	<u>0</u>	<u>116</u>	<u>0</u>	<u>107</u>
P 2 <u>5</u>	<u>27</u>	<u>3</u>	<u>502</u>	<u>5</u>	<u>88</u>	<u>3</u>	<u>477</u>
P 3 <u>10</u>	<u>27</u>	<u>6</u>	<u>631</u>	<u>10</u>	<u>86</u>	<u>6</u>	<u>544</u>
P 4 <u>15</u>	<u>34</u>	<u>9</u>	<u>683</u>	<u>15</u>	<u>87</u>	<u>9</u>	<u>583</u>
P 5 <u>20</u>	<u>40</u>	<u>12</u>	<u>717</u>	<u>20</u>	<u>89</u>	<u>12</u>	<u>610</u>
P 6 <u>25</u>	<u>45</u>	<u>15</u>	<u>744</u>	<u>25</u>	<u>92</u>	<u>15</u>	<u>635</u>
P 7 <u>30</u>	<u>50</u>	<u>18</u>	<u>765</u>	<u>30</u>	<u>95</u>	<u>18</u>	<u>647</u>
P 8 <u>35</u>	<u>58</u>	<u>21</u>	<u>782</u>	<u>35</u>	<u>98</u>	<u>21</u>	<u>660</u>
P 9 <u>40</u>	<u>63</u>	<u>24</u>	<u>796</u>	<u>40</u>	<u>103</u>	<u>24</u>	<u>673</u>
P10 <u>45</u>	<u>65</u>	<u>27</u>	<u>808</u>	<u>45</u>	<u>107</u>	<u>27</u>	<u>685</u>
P11		<u>30</u>	<u>819</u>			<u>30</u>	<u>697</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							