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

WESTERN TESTING CO., INC.

FORMATION TESTING

OK

TICKET Nº 5392

Elevation 1769 KB (elly bushing) Formation Arbuckle Eff. Pay Ft.

District Pratt Date 7-22-80 Customer Order No.

COMPANY NAME Petroleum Energy, Inc.

ADDRESS Suite 710 One Twenty Building Wichita KS

LEASE AND WELL NO. #1 Melcher "A" COUNTY Rice STATE KS Sec. 17 Twp. 20S Rge. 9W

Mail Invoice To Same — No. Copies Requested Reg 1

Mail Charts To Same — Address — No. Copies Requested Reg 1

Formation Test No. 1 Interval Tested from 3285 ft. to 3300 ft. Total Depth 3300 ft.

Packer Depth 3280 ft. Size 6¾ in. Packer Depth ft. Size in.

Packer Depth 3285 ft. Size 6¾ in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3288 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 3291 ft. Recorder Number 1565 Cap. 4500

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor White & Ellis Drlg #2 Drill Collar Length 300 I. D. 2.2 in.

Mud Type Starch Viscosity 42 Weight Pipe Length I. D. in.

Weight 10.2 Water Loss 12.4 cc. Drill Pipe Length 2965 I. D. 3.8 in.

Chlorides 65,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½ OD in.

Jars: Make Serial Number Anchor Length 15 ft. Size 5½ OD in.

Did Well Flow? No Reversed Out No Surface Choke Size ¾ in. Bottom Choke Size ¾ in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½ FH in.

Blow: Strong throughout both flow periods

Recovered 30 ft. of gassy oil

Recovered 325 ft. of muddy Gassy Oil 15% mud 5% gas 80% oil

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

on location 2:30 pm - off 10:00 pm

Time Set Packer(s) 4:04 P.M. Time Started Off Bottom 7:04 P.M. Maximum Temperature 120

Initial Hydrostatic Pressure		(A)	1756	P.S.I.		
Initial Flow Period	Minutes 45	(B)	54	P.S.I. to	(C) 122	P.S.I.
Initial Closed In Period	Minutes 45	(D)	538	P.S.I.		
Final Flow Period	Minutes 45	(E)	136	P.S.I. to	(F) 136	P.S.I.
Final Closed In Period	Minutes 45	(G)	737	P.S.I.		
Final Hydrostatic Pressure		(H)	1742	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 Dan Nixon

Signature of Customer or his authorized representative

RECEIVED JUL 24 1980

Western Representative Jeff Piotrowski Thank you.

Jeff Piotrowski

FIELD INVOICE

Open Hole Test	$	✓ 550.00
Misrun	$	
Straddle Test	$	
Jars	$	
Selective Zone	$	
Safety Joint	$	
Standby	$	
Evaluation	$	
Extra Packer	$	
Circ. Sub.	$	
Mileage 25	$	56.25
Fluid Sampler	$	
Extra Charts	$	
TOTAL	$	606.25

WESTERN TESTING CO., INC.
Pressure Data

Date 7-22 Test Ticket No. 5352

Recorder No. 5673 Capacity 5400 Location 3388 Ft.

Clock No. — Elevation 1769 KB Well Temperature 120 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1756	P.S.I.	Open Tool	4:04 M	
B	First Initial Flow Pressure	57	P.S.I.	First Flow Pressure	45 Mins.	45 Mins.
C	First Final Flow Pressure	128	P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	784	P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	150	P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	143	P.S.I.			
G	Final Closed-in Pressure	740	P.S.I.			
H	Final Hydrostatic Mud	1751	P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.		Press.
P 1	0	57
P 2	5	65
P 3	10	79
P 4	15	90
P 5	20	101
P 6	25	109
P 7	30	117
P 8	35	120
P 9	40	123
P10	45	128
P11	50	
P12	55	
P13	60	
P14		
P15		
P16		
P17		
P18		
P19		
P20		

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

Point Minutes	Press.
0	128
3	202
6	238
9	292
12	347
15	410
18	470
21	533
24	579
27	623
30	658
33	694
36	719
39	746
42	768
45	784
48	
51	
54	
57	
60	

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

Point Minutes	Press.
0	150 ~~145~~
5	142
10	143
15	
20	
25	
30	
35	
40	
45	143
50	
55	
60	
65	
70	
75	
80	
85	
90	

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

Point Minutes	Press.
0	143
3	188
6	257
9	363
12	440
15	508
18	568
21	601
24	637
27	664
30	680
33	699
36	715
39	730
42	735
45	740
48	
51	
54	
57	
60	

5673
DST #1

Jkt #5392

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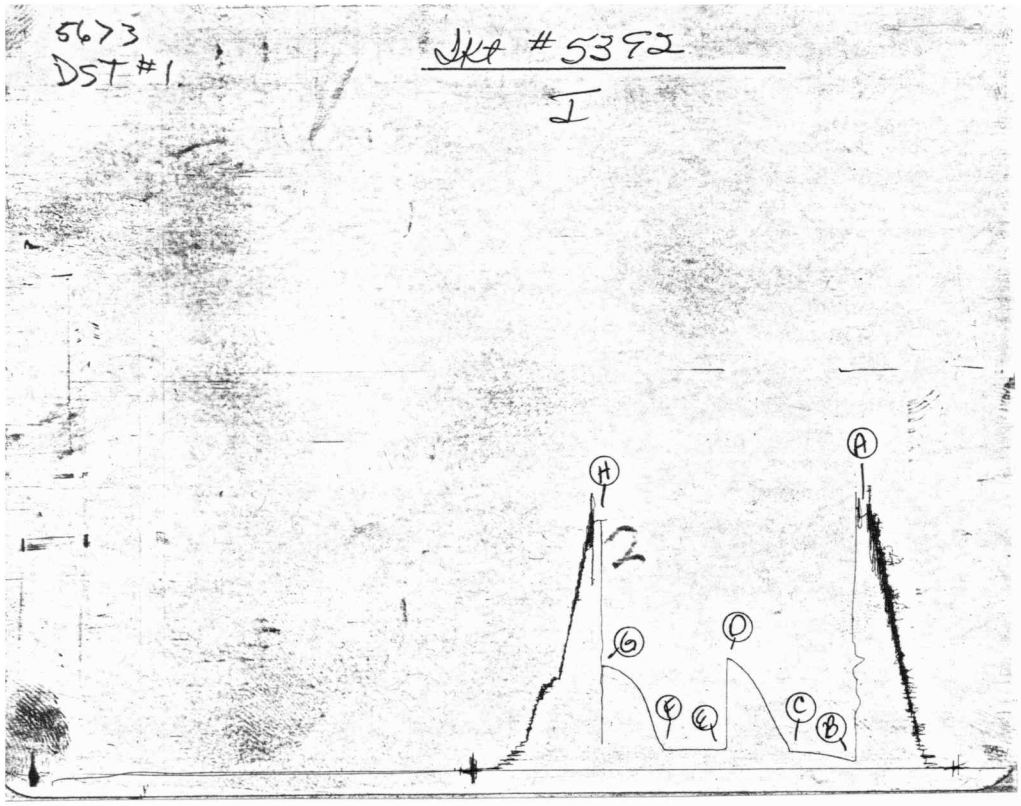

Company Petroleum Energy, Inc. Lease & Well No. Melcher "A" #1

Elevation 1769 Kelly Bushing Formation Arbuckle Effective Pay ------- Ft. Ticket No. 5392

Date 7-22-80 Sec. 17 Twp. 20 S Range 9 W County Rice State KS

Test Approved by Dan Nixon Western Representative Jeff Piotrowski

Formation Test No. 1 Interval Tested from 3285 ft. to 3300 ft. Total Depth 3300 ft.

Packer Depth 3380 ft. Size 6 3/4 in. Packer Depth ------ ft. Size ----- in.

Packer Depth 3385 ft. Size 6 3/4 in. Packer Depth ------ ft. Size -----in.

Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 3388 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 3391 ft. Recorder Number 1565 Cap. 4900

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

Drilling Contractor White & Ellis Drilling Rig #2 Drill Collar Length 300 I. D. 2.2 in.

Mud Type Starch Viscosity 42 Weight Pipe Length ------- I. D. ---- in.

Weight 10.2 Water Loss 12.4 cc. Drill Pipe Length 2965 I. D. 3.8 in.

Chlorides 65,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½ OD in.

Jars: Make ------ Serial Number ----- Anchor Length 15 ft. Size 5½ 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 4½ FH in.

Blow: Strong blow throughout both flow periods.

Recovered 30 ft. of Gassy oil.

Recovered 325 ft. of Muddy gassy oil (15% mud, 5% gas, 80% oil).

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 4:04 ~~A.M.~~ P.M. Time Started Off Bottom 7:04 ~~A.M.~~ P.M. Maximum Temperature 120° F.

Initial Hydrostatic Pressure ..... (A) 1756 P.S.I.

Initial Flow Period ..... Minutes 45 (B) 57 P.S.I. to (C) 128 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 784 P.S.I.

Final Flow Period ..... Minutes 45 (E) 150 P.S.I. to (F) 143 P.S.I.

Final Closed In Period ..... Minutes 45 (G) 740 P.S.I.

Final Hydrostatic Pressure ..... (H) 1751 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 7-22-80

Recorder No. 5673 Capacity 5400 Test Ticket No. 5392

Clock No. ------- Elevation 1769 Kelly Bushing Location 3388 Ft.

Well Temperature 120 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1756	P.S.I.
B	First Initial Flow Pressure	57	P.S.I.
C	First Final Flow Pressure	128	P.S.I.
D	Initial Closed-in Pressure	784	P.S.I.
E	Second Initial Flow Pressure	150	P.S.I.
F	Second Final Flow Pressure	143	P.S.I.
G	Final Closed-in Pressure	740	P.S.I.
H	Final Hydrostatic Mud	1751	P.S.I.

	Time Given	Time Computed
Open Tool	4:04 PM	
First Flow Pressure	45 Mins.	45 Mins.
Initial Closed-in Pressure	45 Mins.	45 Mins.
Second Flow Pressure	45 Mins.	45 Mins.
Final Closed-in Pressure	45 Mins.	45 Mins.

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	57
P 2	5	65
P 3	10	79
P 4	15	90
P 5	20	101
P 6	25	109
P 7	30	117
P 8	35	120
P 9	40	123
P10	45	128
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

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

Point Minutes	Press.
0	128
3	202
6	238
9	292
12	347
15	410
18	470
21	533
24	579
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Second Flow Pressure
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of 5 mins. and a
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Point Minutes	Press.
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10	143
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40	143
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Final Shut-In
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