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

WESTERN TESTING CO., INC.
FORMATION TESTING

OK

TICKET Nº 7074

Elevation 1788 KB (Kelly Bushing) Formation ~~[illegible]~~ Congl sol. Eff. Pay — Ft.

District Great Bend Date 8-27-80 Customer Order No. —

COMPANY NAME Petroleum Energy Inc.
ADDRESS One Twenty Bldg, Suite 710, Wichita, Kansas 67202
LEASE AND WELL NO. Radenberg "B" #1 COUNTY Barton STATE Kansas Sec. 34 Twp. 18 Rge. 11
Mail Invoice To Same as above (Co. Name / Address) No. Copies Requested 5
Mail Charts To Same as above (Address) No. Copies Requested ~~5~~ 8

Formation Test No. 1 Interval Tested from 3318 ft. to 3378 ft. Total Depth 3378 ft.
Packer Depth 3313 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.
Packer Depth 3318 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.
Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3333 ft. Recorder Number 6074 Cap. 5100
Bottom Recorder Depth (Outside) 3336 ft. Recorder Number 1563 Cap. 4200
Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor White & Ellis Drlg. Co. Rig #2 Drill Collar Length 285 I. D. 2 1/4 in.
Mud Type Starch, Salt-clay Viscosity 39 Weight Pipe Length I. D. in.
Weight 9.7 Water Loss 16 cc. Drill Pipe Length 3012 I. D. 3.8 in.
Chlorides 93,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 6 00 in.
Jars: Make Serial Number Anchor Length 60 ft. Size 5 6 00 + in. 300.P
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: Weak 1" increased to 2" by end of Initial 1st flow period.
Weak 1" throughout 2nd flow period.

Recovered 260 ft. of Heavy Final oil cut mud (show free oil)
Recovered 60 ft. of muddy oil
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:

RECEIVED AUG 29 1980

Time Set Packer(s) 11:20 A.M. P.M. (P.M. circled) Time Started Off Bottom 2:20 A.M. (circled) P.M. Maximum Temperature 116°

Initial Hydrostatic Pressure		(A) 1750 P.S.I.			
Initial Flow Period	Minutes 45	(B) 51 P.S.I.	to (C) 102 P.S.I.		
Initial Closed In Period	Minutes 45	(D) 1022 P.S.I.			
Final Flow Period	Minutes 45	(E) 115 P.S.I.	to (F) 166 P.S.I.		
Final Closed In Period	Minutes 45	(G) 984 P.S.I.			
Final Hydrostatic Pressure		(H) 1737 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

FIELD INVOICE

Open Hole Test (circled)	$ 550.00
Misrun	$
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage	$ 19 mi 14.25
Fluid Sampler	$
Extra Charts	$
TOTAL	$ 564.25

WESTERN TESTING CO., INC.
Pressure Data

Date 8-27 Test Ticket No. 7074

Recorder No. 6074 Capacity 5100 Location 3333 Ft.

Clock No. — Elevation 1788 KB Well Temperature 116 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1747	P.S.I.
B	First Initial Flow Pressure	53	P.S.I.
C	First Final Flow Pressure	112	P.S.I.
D	Initial Closed-in Pressure	1027	P.S.I.
E	Second Initial Flow Pressure	127	P.S.I.
F	Second Final Flow Pressure	169	P.S.I.
G	Final Closed-in Pressure	988	P.S.I.
H	Final Hydrostatic Mud	1739	P.S.I.

	Time Given	Time Computed
Open Tool	11:20 P M	
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	53
P 2	5	56
P 3	10	64
P 4	15	74
P 5	20	82
P 6	25	90
P 7	30	97
P 8	35	105
P 9	40	110
P10	45	112
P11	50	
P12	55	
P13	60	
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 16 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	112
3	732
6	811
9	862
12	895
15	918
18	941
21	958
24	974
27	985
30	993
33	1002
36	1010
39	1018
42	1026
45	1027
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	127
5	126
10	131
15	138
20	143
25	149
30	156
35	160
40	164
45	169
50	
55	
60	
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 16 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	169
3	916
6	788
9	832
12	864
15	890
18	905
21	920
24	934
27	943
30	956
33	964
36	974
39	980
42	984
45	988
48	
51	
54	
57	
60	

JKO # 7874

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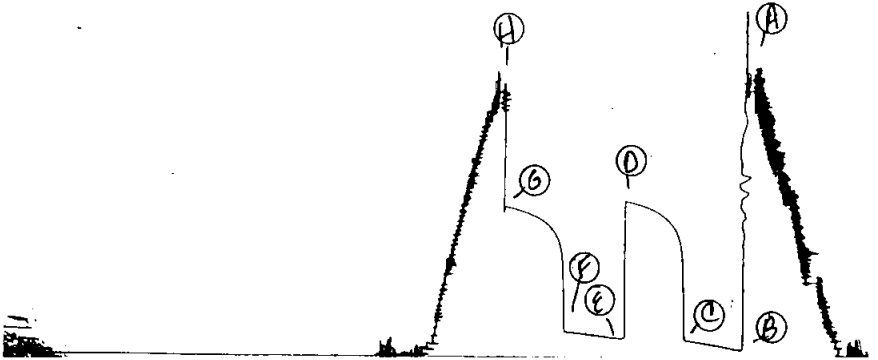

Company Petroleum Energy, Inc. Lease & Well No. Radenberg "B"#1

Elevation 1788 Kelly Bushing Formation Conglomerate Sand Effective Pay --- Ft. Ticket No. 7074

Date 8/27/80 Sec. 34 Twp. 18S Range 11W County Barton State Kansas

Test Approved by Jim Musgrove Western Representative Vernon Wondra

Formation Test No. 1 Interval Tested from 3318 ft. to 3378 ft. Total Depth 3378 ft.

Packer Depth 3313 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3318 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3333 ft. Recorder Number 6074 Cap. 5100

Bottom Recorder Depth (Outside) 3336 ft. Recorder Number 1563 Cap. 4200

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

Drilling Contractor White & Ellis Drlg. Co. Rig #2 Drill Collar Length 285 I. D. 2¼ in.

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

Weight 9.7 Water Loss 16 cc. Drill Pipe Length 3012 I. D. 3.8 in.

Chlorides 93,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 60 ft. Size 5½OD + 30'DP 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 4½FH in.

Blow: Weak one inches increased to two inches by end of initial flow period.
Weak one inch throughout final flow period.

Recovered 260 ft. of heavy oil cut mud (show free oil)

Recovered 60 ft. of muddy oil

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 11:20 ~~A.M.~~ P.M. Time Started Off Bottom 2:20 ~~A.M.~~ P.M. Maximum Temperature 116°

Initial Hydrostatic Pressure		(A) 1747	P.S.I.	
Initial Flow Period	Minutes 45	(B) 53	P.S.I. to (C) 112	P.S.I.
Initial Closed In Period	Minutes 45	(D) 1027	P.S.I.	
Final Flow Period	Minutes 45	(E) 127	P.S.I. to (F) 169	P.S.I.
Final Closed In Period	Minutes 45	(G) 988	P.S.I.	
Final Hydrostatic Pressure		(H) 1739	P.S.I.	

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	Time Given	Time Computed
Open Tool	11:20P M	
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		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 9 Inc.		Breakdown: 15 Inc.		Breakdown: 9 Inc.		Breakdown: 15 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	53	0	112	0	127	0	169
P 2 5	56	3	732	5	126	3	716
P 3 10	64	6	811	10	131	6	788
P 4 15	74	9	862	15	138	9	832
P 5 20	82	12	895	20	143	12	864
P 6 25	90	15	918	25	149	15	890
P 7 30	97	18	941	30	156	18	905
P 8 35	105	21	958	35	160	21	920
P 9 40	110	24	974	40	164	24	934
P10 45	112	27	985	45	169	27	943
P11		30	993			30	956
P12		33	1002			33	964
P13		36	1010			36	974
P14		39	1018			39	980
P15		42	1026			42	984
P16		45	1027			45	988
P17							
P18							
P19							
P20							