

15-073-21003



8-265-17E

Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Petroleum Energy Inc. Lease & Well No. Boone #1
Elevation 1107 Ground Level Formation Mississippi Effective Pay - Ft. Ticket No. 23960
Date 12-20-75 Sec. 8 Twp. 26S Range 12E County Greenwood State Kansas
Test Approved by William A. Sladik Western Representative Forrest Purnell
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 1796' to 1830' Total Depth 1830'
Size Main Hole 6 1/2 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 1791 Ft. Size 5 1/2 OD Bottom Packer Depth 1796 Ft. Size 5 1/2 OD
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth ☐ Ft. Size ☐
Tool Size 4 1/2 OD Tool Joint Size 3 1/2 IF Anchor Length 34 Ft. Size 4 1/2 OD Surface Choke 3 3/4 In. Bottom Choke Size 3 3/4 In.
RECORDERS Depth 1822 Ft. Clock No. 4763 Depth 1825 Ft. Clock No. 10167
Top Make Kuster Cap 4200 No. 1558 Inside Outside Bottom Make Kuster Cap 3150 No. 1562 Inside Outside
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ Inside Outside Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ Inside Outside
Time Set Packer 6:25P M
Tool Open I.F.P. From 6:30P M. to 7:00P M. - Hr. 30 Min. From (B) 0 P.S.I. To (C) 0 P.S.I.
Tool Closed I.C.I.P. From 7:00P M. to 7:30P M. - Hr. 30 Min (D) 538 P.S.I.
Tool Open F.F.P. From 7:30P M. to 8:00P M. - Hr. 30 Min. From (E) 6 P.S.I. To (F) 10 P.S.I.
Tool Closed F.C.I.P. From 8:00P M. to 8:30P M. - Hr. 30 Min. (G) 542 P.S.I.
Initial Hydrostatic Pressure (A) 896 P.S.I. Final Hydrostatic Pressure (H) 866 P.S.I. Maximum Temp. -

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 4 minutes.Did Well Flow GAS Yes ☐ No ☐ Recovery Total Ft. 70' drilling mud with oil specks.Reversed Out ☐ Yes ☒ No ☐ Mud Type chem Viscosity 78 Weight 9.7 Water Loss 12 cc. Chlorides 2200 P.P.M.EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint ☐ Jars: Size ☐ In. Make ☐ Ser. No. ☐Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? ☐DRILLING CONTRACTOR B & N Drilg. Co. Length Drill Pipe 1719 Ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 3 1/2 IF In.Length Weight Pipe ☐ Ft. I.D. Weight Pipe ☐ In. Tool Joint Size ☐ In. Length Drill Collars 60 Ft. I.D. Drill Collars 2 1/4 In.Tool Joint Size 3 1/2 IF In. Length D.S.T. Tool 55 Ft.Remarks See sheet attached for gas measurements

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P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date **12-20-75** Ticket **23960** Company **Petroleum Energy Inc.**
Well Name and No. **Boone #1** Dst No. **1** Interval Tested **1796' to 1830'**
County **Greenwood** State **Kansas** Sec. **8** Twp. **26S** Rg. **12E**

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
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PRE FLOW

6:40 PM	10 min.	1.5 PSIG	1/2" choke			41,000 C.F.P.D.
6:50 PM	20 min.	2.5 PSIG	1/2" choke			53,000 C.F.P.D.
7:00 PM	30 min.	3.5 PSIG	1/2" choke			64,000 C.F.P.D.

Tool opened in pre-flow period at 6:30 P.M. Gas to surface in 4 minutes.

SECOND FLOW

7:40 PM	10 min.	8 PSIG	1/2" choke			101,000 C.F.P.D.
7:50 PM	20 min.	5 PSIG	1/2" choke			78,000 C.F.P.D.
8:00 PM	30 min.	4 PSIG	1/2" choke			68,800 C.F.P.D.

All measurements were taken through a 2" orifice well tester with a 1/2" choke. Gas never stabilized.

GAS BOTTLE

Serial No. _____ Date Bottle Filled **12-20-75** Date to be Invoiced **12-20-75**

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 **Petroleum Energy Inc.**

Authorized by **William A. Sladik**

WESTERN TESTING CO., INC.

Pressure Data

Date 12-20-75 Test Ticket No. 23960

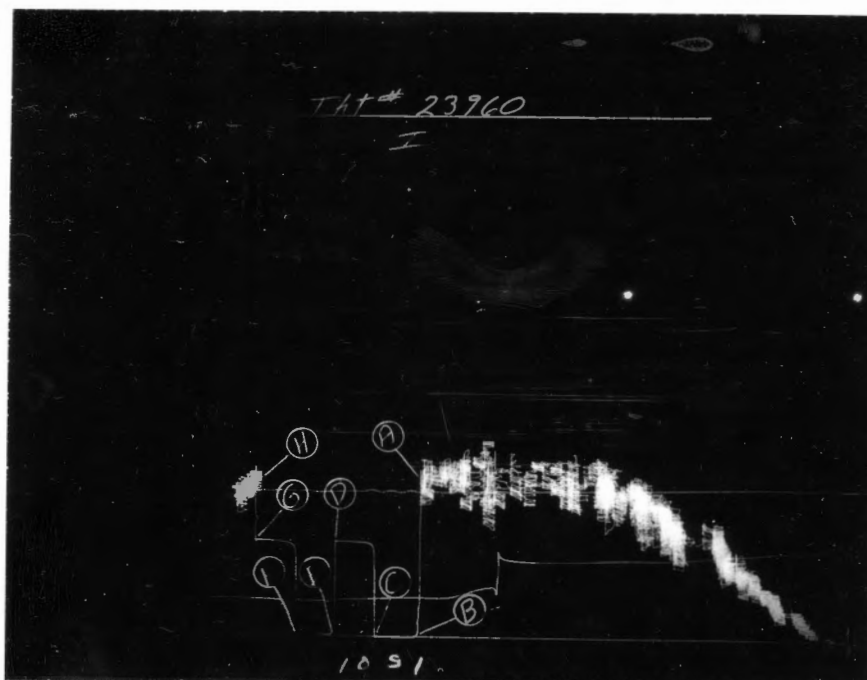
Recorder No. 1558 Capacity 4200 Location 1822 Ft.

Clock No. 4763 Elevation 1107 Ground Level Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	896 P.S.I.	Open Tool	6:25P M	
B First Initial Flow Pressure	0 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	0 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	538 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	8 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	10 P.S.I.			
G Final Closed-in Pressure	542 P.S.I.			
H Final Hydrostatic Mud	866 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>6</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 <u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>8</u>	<u>0</u>	<u>10</u>
P 2 <u>5</u>	<u>0</u>	<u>3</u>	<u>506</u>	<u>5</u>	<u>8</u>	<u>3</u>	<u>495</u>
P 3 <u>10</u>	<u>0</u>	<u>6</u>	<u>525</u>	<u>10</u>	<u>9</u>	<u>6</u>	<u>519</u>
P 4 <u>15</u>	<u>0</u>	<u>9</u>	<u>531</u>	<u>15</u>	<u>10</u>	<u>9</u>	<u>528</u>
P 5 <u>20</u>	<u>0</u>	<u>12</u>	<u>533</u>	<u>20</u>	<u>10</u>	<u>12</u>	<u>533</u>
P 6 <u>25</u>	<u>0</u>	<u>15</u>	<u>534</u>	<u>25</u>	<u>10</u>	<u>15</u>	<u>535</u>
P 7 <u>30</u>	<u>0</u>	<u>18</u>	<u>535</u>	<u>30</u>	<u>10</u>	<u>18</u>	<u>537</u>
P 8		<u>21</u>	<u>536</u>			<u>21</u>	<u>539</u>
P 9		<u>24</u>	<u>537</u>			<u>24</u>	<u>540</u>
P10		<u>27</u>	<u>538</u>			<u>27</u>	<u>541</u>
P11		<u>30</u>	<u>538</u>			<u>30</u>	<u>542</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	903	896 PSI
(B) First Initial Flow Pressure	4	0 PSI
(C) First Final Flow Pressure	4	0 PSI
(D) Initial Closed-in Pressure	537	538 PSI
(E) Second Initial Flow Pressure	10	8 PSI
(F) Second Final Flow Pressure	10	10 PSI
(G) Final Closed-in Pressure	537	542 PSI
(H) Final Hydrostatic Mud	827	866 PSI



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Company **Petroleum Energy Inc.** Lease & Well No. **Boone #1**
Elevation **1107 Ground Level** Formation **Ordovician** Effective Pay **-** Ft. Ticket No. **23962**
Date **12-23-75** Sec. **8** Twp. **26S** Range **12E** County **Greenwood** State **Kansas**
Test Approved by **William A. Sladik** Western Representative **Charles Branstetter**
Formation Test No. **2** O.K. ☒ Misrun ☐ Interval Tested From **2144'** to **2155'** Total Depth **2155'**
Size Main Hole **6 1/2** Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth **2139** Ft. Size **5 1/2** Bottom Packer Depth **2144** Ft. Size **5 1/2**
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth ☐ Ft. Size ☐
Tool Size **4 1/2 OD** Tool Joint Size **3 1/2 IF** Anchor Length **11** Ft. Size **4 1/2 OD** Surface Choke Size **3/4** In. Bottom Choke Size **3/4** In.
RECORDERS Depth **2148** Ft. Clock No. **9103** Depth **2151** Ft. Clock No. **10167**
Top Make **Kuster** Cap. **4200** No. **1558** Inside ☐ Outside ☒ Bottom Make **Kuster** Cap. **3150** No. **1562** Inside ☐ Outside ☒
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ Inside ☐ Outside ☐ Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ Inside ☐ Outside ☐
Time Set Packer **4:43 A.M.**
Tool Open I.F.P. From **4:45A** M. to **5:15A** M. ☐ Hr. **30** Min. From (B) **27** P.S.I. To (C) **84** P.S.I.
Tool Closed I.C.I.P. From **5:15A** M. to **5:45A** M. ☐ Hr. **30** Min (D) **1478** P.S.I.
Tool Open F.F.P. From **5:45A** M. to **6:15A** M. ☐ Hr. **30** Min. From (E) **108** P.S.I. To (F) **123** P.S.I.
Tool Closed F.C.I.P. From **6:15A** M. to **6:45A** M. ☐ Hr. **30** Min. (G) **1473** P.S.I.
Initial Hydrostatic Pressure (A) **2106** P.S.I. Final Hydrostatic Pressure (H) **2092** P.S.I. Maximum Temp. **103**

INFORMATION

BLOW **Weak and steady blow throughout test**

Did Well Flow ☒ Yes ☐ No Recovery Total Ft. **105'** **slightly muddy salt water**

Reversed Out ☒ Yes ☐ No Mud Type **chem** Viscosity **36** Weight **9.6** Water Loss **12** cc. Chlorides **1800 P.P.M.**
EXTRA EQUIPMENT: Type Circ. Sub. **pin** Safety Joint ☐ Jars: Size ☐ In. Make ☐ Ser. No. ☐
Dual Packers **yes** Did Packers Hold? **yes** Did Tool Plug? **no** Where? ☐
DRILLING CONTRACTOR **B & N Drilg. Co.** Length Drill Pipe? **2064** Ft. I.D. Drill Pipe **2.7** In. Tool Joint Size **3 1/2 IF** In.
Length Weight Pipe ☐ Ft. I.D. Weight Pipe ☐ In. Tool Joint Size ☐ In. Length Drill Collars **60** Ft. I.D. Drill Collars **2** In.
Tool Joint Size **3 1/2 IF** In. Length D.S.T. Tool **31** Ft.
Remarks: **Read outside recorder**

WESTERN TESTING CO., INC.

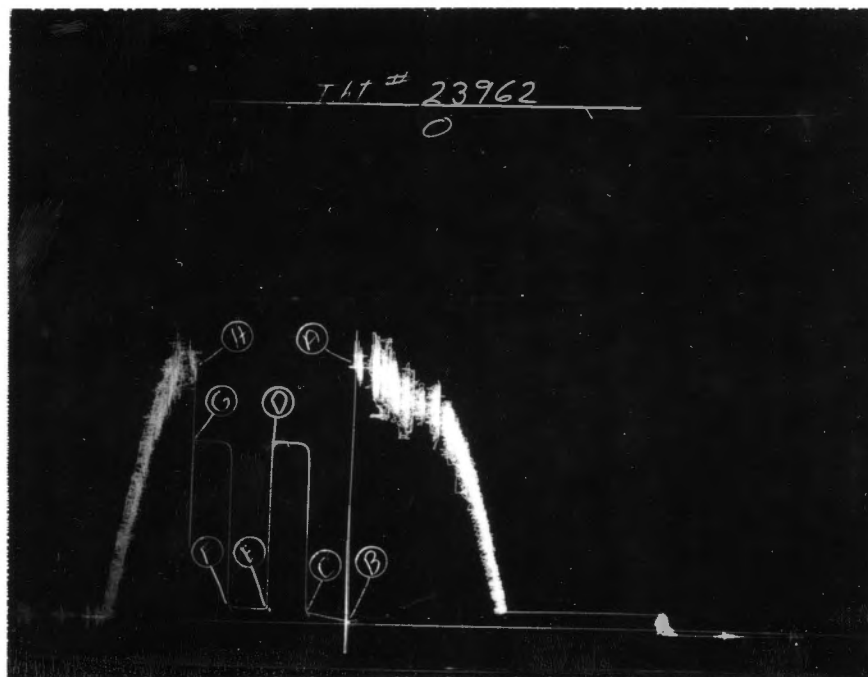
Pressure Data

Date 12-23-75 Test Ticket No. 23962
 Recorder No. 1562 Capacity 3150 Location 2151 Ft.
 Clock No. 10167 Elevation 1107 Ground Level Well Temperature 103 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2106</u> P.S.I.	Open Tool	<u>4:43 A M</u>	
B First Initial Flow Pressure	<u>27</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>84</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1478</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>108</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>123</u> P.S.I.			
G Final Closed-in Pressure	<u>1473</u> P.S.I.			
H Final Hydrostatic Mud	<u>2092</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>10</u> Inc.		Breakdown: <u>6</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 <u>0</u>	<u>27</u>	<u>0</u>	<u>84</u>	<u>0</u>	<u>108</u>	<u>0</u>	<u>123</u>
P 2 <u>5</u>	<u>37</u>	<u>3</u>	<u>1430</u>	<u>5</u>	<u>109</u>	<u>3</u>	<u>1427</u>
P 3 <u>10</u>	<u>45</u>	<u>6</u>	<u>1459</u>	<u>10</u>	<u>110</u>	<u>6</u>	<u>1458</u>
P 4 <u>15</u>	<u>54</u>	<u>9</u>	<u>1469</u>	<u>15</u>	<u>113</u>	<u>9</u>	<u>1467</u>
P 5 <u>20</u>	<u>66</u>	<u>12</u>	<u>1472</u>	<u>20</u>	<u>114</u>	<u>12</u>	<u>1470</u>
P 6 <u>25</u>	<u>78</u>	<u>15</u>	<u>1473</u>	<u>25</u>	<u>120</u>	<u>15</u>	<u>1472</u>
P 7 <u>30</u>	<u>84</u>	<u>18</u>	<u>1474</u>	<u>30</u>	<u>123</u>	<u>18</u>	<u>1473</u>
P 8		<u>21</u>	<u>1475</u>			<u>21</u>	<u>1473</u>
P 9		<u>24</u>	<u>1476</u>			<u>24</u>	<u>1473</u>
P10		<u>27</u>	<u>1477</u>			<u>27</u>	<u>1473</u>
P11		<u>30</u>	<u>1478</u>			<u>30</u>	<u>1473</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1128	2106	PSI
(B) First Initial Flow Pressure	15	27	PSI
(C) First Final Flow Pressure	40	84	PSI
(D) Initial Closed-in Pressure	770	1478	PSI
(E) Second Initial Flow Pressure	55	108	PSI
(F) Second Final Flow Pressure	60	123	PSI
(G) Final Closed-in Pressure	760	1473	PSI
(H) Final Hydrostatic Mud	1120	2092	PSI