

Company Petroleum Energy, Inc. Lease & Well No. #1 Beth
Elevation 1769 Kelly Bushing Formation Lansing Effective Pay --- Ft. Ticket No. 16572
Date 11/ 27 /82 Sec. 34 Twp. 19S Range 10W County Rice State Kansas
Test Approved by Ken Hamlin Western Representative Gregory Saffa
Formation Test No. 1 Interval Tested from 3024 ft. to 3101 ft. Total Depth 3101 ft.
Packer Depth 3019 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Packer Depth 3024 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3031 ft. Recorder Number 3659 Cap. 4000
Bottom Recorder Depth (Outside) 3032 ft. Recorder Number 13401 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor White & Ellis Drlg. Rig Drill Collar Length 373 I. D. 2.2 in.
Mud Type starch Viscosity 44 Weight Pipe Length - I. D. - in.
Weight 9.5 Water Loss 10.0 cc. Drill Pipe Length 2630 I. D. 3.8 in.
Chlorides 58,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
Jars: Make --- Serial Number - Anchor Length 77 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 FH in.

Blow: Initial flow period strong blow throughout - off bottom of bucket. Final flow period strong blow throughout - off bottom of bucket.

Recovered 1750 ft. of gassy salt water
Recovered - ft. of Chlorides 98,000 ppm
Recovered - ft. of -
Recovered - ft. of -
Recovered - ft. of -

Remarks: -

Time Set Packer(s) 1:00 A.M. Time Started Off Bottom 3:00 A.M. Maximum Temperature 120°
Initial Hydrostatic Pressure (A) 1542 P.S.I.
Initial Flow Period Minutes 30 (B) 373 P.S.I. to (C) 611 P.S.I.
Initial Closed In Period Minutes 33 (D) 1375 P.S.I.
Final Flow Period Minutes 30 (E) 691 P.S.I. to (F) 824 P.S.I.
Final Closed In Period Minutes 33 (G) 1353 P.S.I.
Final Hydrostatic Pressure (H) 1504 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 11/27/82 Test Ticket No. 16572
 Recorder No. 3659 Capacity 4000 Location 3031 Ft.
 Clock No. -- Elevation 1769 Kelly Bushing Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1542</u> P.S.I.	Open Tool	<u>1:00</u> M	
B First Initial Flow Pressure	<u>373</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>611</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>1375</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>691</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>824</u> P.S.I.			
G Final Closed-in Pressure	<u>1353</u> P.S.I.			
H Final Hydrostatic Mud	<u>1504</u> P.S.I.			

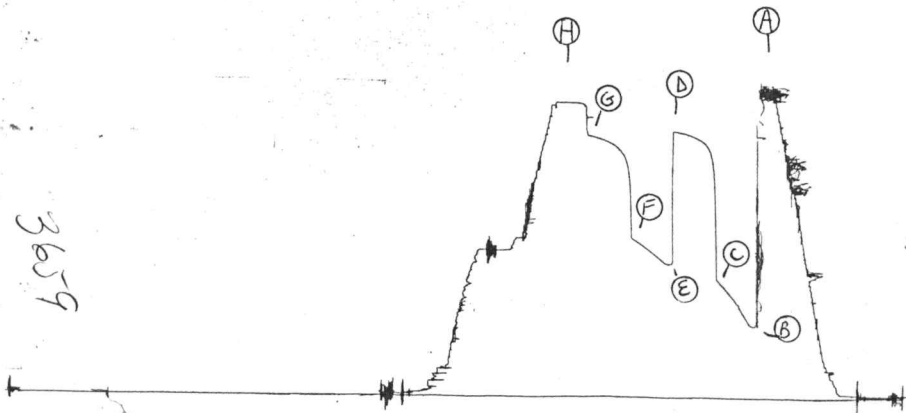
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>11</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>373</u>	<u>0</u>	<u>611</u>	<u>0</u>	<u>691</u>	<u>0</u>	<u>824</u>
P 2 <u>5</u>	<u>383</u>	<u>3</u>	<u>1127</u>	<u>5</u>	<u>695</u>	<u>3</u>	<u>1165</u>
P 3 <u>10</u>	<u>437</u>	<u>6</u>	<u>1264</u>	<u>10</u>	<u>723</u>	<u>6</u>	<u>1244</u>
P 4 <u>15</u>	<u>493</u>	<u>9</u>	<u>1305</u>	<u>15</u>	<u>751</u>	<u>9</u>	<u>1277</u>
P 5 <u>20</u>	<u>538</u>	<u>12</u>	<u>1323</u>	<u>20</u>	<u>778</u>	<u>12</u>	<u>1298</u>
P 6 <u>25</u>	<u>578</u>	<u>15</u>	<u>1337</u>	<u>25</u>	<u>802</u>	<u>15</u>	<u>1312</u>
P 7 <u>30</u>	<u>611</u>	<u>18</u>	<u>1348</u>	<u>30</u>	<u>824</u>	<u>18</u>	<u>1323</u>
P 8		<u>21</u>	<u>1355</u>			<u>21</u>	<u>1329</u>
P 9		<u>24</u>	<u>1361</u>			<u>24</u>	<u>1335</u>
P10		<u>27</u>	<u>1366</u>			<u>27</u>	<u>1341</u>
P11		<u>30</u>	<u>1371</u>			<u>30</u>	<u>1347</u>
P12		<u>33</u>	<u>1375</u>			<u>33</u>	<u>1353</u>
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 16572

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Company Petroleum Energy, Inc. Lease & Well No. #1 Beth
 Elevation 1769 Kelly Bushing Formation Conglomerate Effective Pay --- Ft. Ticket No. 16573
 Date 11/ 28/82 Sec. 34 Twp. 19S Range 10W County Rice State Kansas
 Test Approved by Ken Hamlin Western Representative Gregory Saffa
 Formation Test No. 2 Interval Tested from 3269 ft. to 3319 ft. Total Depth 3319 ft.
 Packer Depth 3264 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 3269 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3275 ft. Recorder Number 3659 Cap. 4000
 Bottom Recorder Depth (Outside) 3276 ft. Recorder Number 13401 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor White & Ellis Drlg. Rig Drill Collar Length 373 I. D. 2.2 in.
 Mud Type starch Viscosity 39 Weight Pipe Length - I. D. - in.
 Weight 9.5 Water Loss 14.0 cc. Drill Pipe Length 2885 I. D. 3.8 in.
 Chlorides 50,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
 Jars: Make --- Serial Number - Anchor Length 50 ft. Size 5 1/2 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: Strong blow throughout initial flow period. Final flow period weak blow throughout.

Recovered	<u>135</u>	ft. of	<u>very slightly oil cut mud</u>
Recovered	<u>60</u>	ft. of	<u>oil cut mud</u>
Recovered	<u>120</u>	ft. of	<u>heavy oil cut mud</u>
Recovered	<u>60</u>	ft. of	<u>very heavy oil cut mud</u>
Recovered		ft. of	

Remarks: _____

Time Set	<u>7:25</u>	<u>A.M.</u>	Time Started	<u>9:25</u>	<u>A.M.</u>	Maximum Temperature	<u>112°</u>
Packer(s)		<u>P.M.</u>	Off Bottom		<u>P.M.</u>		
Initial Hydrostatic Pressure			(A)	<u>1707</u>		P.S.I.	
Initial Flow Period			Minutes	<u>30</u>	(B)	<u>63</u>	P.S.I. to (C) <u>144</u> P.S.I.
Initial Closed In Period			Minutes	<u>36</u>	(D)	<u>935</u>	P.S.I.
Final Flow Period			Minutes	<u>30</u>	(E)	<u>188</u>	P.S.I. to (F) <u>196</u> P.S.I.
Final Closed In Period			Minutes	<u>36</u>	(G)	<u>858</u>	P.S.I.
Final Hydrostatic Pressure			(H)	<u>1655</u>		P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 11/28/82 Recorder No. 3659 Capacity 4000 Test Ticket No. 16573
 Clock No. -- Location 1769 Kelly Bushing Elevation 3275 Ft.
 Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1707</u> P.S.I.	Open Tool	7:25	M
B. First Initial Flow Pressure	<u>63</u> P.S.I.	First Flow Pressure	30	30
C. First Final Flow Pressure	<u>144</u> P.S.I.	Initial Closed-in Pressure	30	36
D. Initial Closed-in Pressure	<u>935</u> P.S.I.	Second Flow Pressure	30	30
E. Second Initial Flow Pressure	<u>188</u> P.S.I.	Final Closed-in Pressure	30	36
F. Second Final Flow Pressure	<u>196</u> P.S.I.			
G. Final Closed-in Pressure	<u>858</u> P.S.I.			
H. Final Hydrostatic Mud	<u>1655</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>12</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>12</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>63</u>	<u>0</u>	<u>144</u>	<u>0</u>	<u>188</u>	<u>0</u>	<u>196</u>
P 2 <u>5</u>	<u>70</u>	<u>3</u>	<u>465</u>	<u>5</u>	<u>188</u>	<u>3</u>	<u>620</u>
P 3 <u>10</u>	<u>85</u>	<u>6</u>	<u>749</u>	<u>10</u>	<u>190</u>	<u>6</u>	<u>757</u>
P 4 <u>15</u>	<u>102</u>	<u>9</u>	<u>828</u>	<u>15</u>	<u>192</u>	<u>9</u>	<u>789</u>
P 5 <u>20</u>	<u>117</u>	<u>12</u>	<u>862</u>	<u>20</u>	<u>194</u>	<u>12</u>	<u>808</u>
P 6 <u>25</u>	<u>133</u>	<u>15</u>	<u>883</u>	<u>25</u>	<u>195</u>	<u>15</u>	<u>821</u>
P 7 <u>30</u>	<u>144</u>	<u>18</u>	<u>897</u>	<u>30</u>	<u>196</u>	<u>18</u>	<u>828</u>
P 8		<u>21</u>	<u>907</u>			<u>21</u>	<u>835</u>
P 9		<u>24</u>	<u>916</u>			<u>24</u>	<u>841</u>
P10		<u>27</u>	<u>922</u>			<u>27</u>	<u>847</u>
P11		<u>30</u>	<u>928</u>			<u>30</u>	<u>853</u>
P12		<u>33</u>	<u>933</u>			<u>33</u>	<u>856</u>
P13		<u>36</u>	<u>935</u>			<u>36</u>	<u>858</u>
P14							
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