

Company Petroleum Energy, Inc. Lease & Well No. #1 Ralph
Elevation 1763 Kelly Bushing Formation Kansas City Effective Pay ---- Ft. Ticket No. 18001
Date 12/18/82 Sec. 34 Twp. 19S Range 10W County Rice State Kansas
Test Approved by Ken Hamlin Western Representative Vernon Wondra

Formation Test No. 1 Interval Tested from 3200 ft. to 3215 ft. Total Depth 3215 ft.

Packer Depth 3195 ft. Size 6 5/8 in. Packer Depth -- ft. Size -- in.

Packer Depth 3200 ft. Size 6 5/8 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3204 ft. Recorder Number 1563 Cap. 4200

Bottom Recorder Depth (Outside) 3207 ft. Recorder Number 13400 Cap. 3950

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

Drilling Contractor Duke Drilg. Rig #1 Drill Collar Length -- I. D. -- in.

Mud Type starch Viscosity 40 Weight Pipe Length 823 I. D. 2.7 in.

Weight 9.9 Water Loss 10.4 cc. Drill Pipe Length 2357 I. D. 3.8 in.

Chlorides 55,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.

Jars: Make -- Serial Number -- Anchor Length 15 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, died in five minutes on initial flow period. No blow on final flow period.
Flushed tool. Few bubbles and died.

Recovered 3 ft. of oil cut mud Chlorides 56,000ppm

Recovered 30 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s)	<u>12:25</u>	<u>A.M.</u>	Time Started Off Bottom	<u>2:25</u>	<u>A.M.</u>	Maximum Temperature	<u>111°</u>
Initial Hydrostatic Pressure			(A)	<u>1756</u>	P.S.I.		
Initial Flow Period		Minutes	<u>30</u>	(B)	<u>39</u>	P.S.I. to (C)	<u>39</u> P.S.I.
Initial Closed In Period		Minutes	<u>30</u>	(D)	<u>248</u>	P.S.I.	
Final Flow Period		Minutes	<u>30</u>	(E)	<u>65</u>	P.S.I. to (F)	<u>53</u> P.S.I.
Final Closed In Period		Minutes	<u>30</u>	(G)	<u>124</u>	P.S.I.	
Final Hydrostatic Pressure			(H)	<u>1746</u>	P.S.I.		

WESTERN TESTING CO., INC. Pressure Data

Date 12/18/82 Test Ticket No. 18001
Recorder No. 1563 Capacity 4200 Location 3204 Ft.
Clock No. --- Elevation 1763 Kelly Bsuhring Well Temperature 111 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1756</u> P.S.I.	Open Tool	<u>12:25A</u>	<u>M</u>
B First Initial Flow Pressure	<u>39</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>39</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>248</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>65</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>53</u> P.S.I.			
G Final Closed-in Pressure	<u>124</u> P.S.I.			
H Final Hydrostatic Mud	<u>1746</u> P.S.I.			

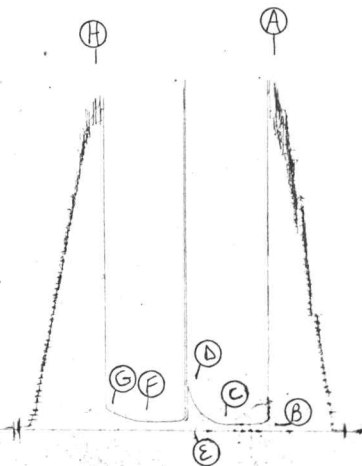
PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a 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>39</u>	<u>0</u>	<u>39</u>	<u>0</u>	<u>65</u> Flushed tool	<u>0</u>	<u>53</u>
P 2 <u>5</u>	<u>39</u>	<u>3</u>	<u>42</u>	<u>5</u>	<u>62</u>	<u>3</u>	<u>53</u>
P 3 <u>10</u>	<u>39</u>	<u>6</u>	<u>46</u>	<u>10</u>	<u>55</u>	<u>6</u>	<u>56</u>
P 4 <u>15</u>	<u>39</u>	<u>9</u>	<u>55</u>	<u>15</u>	<u>53</u>	<u>9</u>	<u>60</u>
P 5 <u>20</u>	<u>39</u>	<u>12</u>	<u>67</u>	<u>20</u>	<u>53</u>	<u>12</u>	<u>67</u>
P 6 <u>25</u>	<u>39</u>	<u>15</u>	<u>80</u>	<u>25</u>	<u>53</u>	<u>15</u>	<u>74</u>
P 7 <u>30</u>	<u>39</u>	<u>18</u>	<u>97</u>	<u>30</u>	<u>53</u>	<u>18</u>	<u>84</u>
P 8 _____	_____	<u>21</u>	<u>123</u>	_____	_____	<u>21</u>	<u>94</u>
P 9 _____	_____	<u>24</u>	<u>158</u>	_____	_____	<u>24</u>	<u>104</u>
P10 _____	_____	<u>27</u>	<u>216</u>	_____	_____	<u>27</u>	<u>114</u>
P11 _____	_____	<u>30</u>	<u>248</u>	_____	_____	<u>30</u>	<u>124</u>
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

TKT # 18001

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Company Petroleum Energy, Inc. Lease & Well No. #1 Ralph
Elevation 1763 Kelly Bushing Formation Arbuckle Effective Pay ---- Ft. Ticket No. 18002
Date 12/18/82 Sec. 34 Twp. 19S Range 10W County Rice State Kansas
Test Approved by Ken Hamlin Western Representative Vernon Wondra

Formation Test No. 2 Interval Tested from 3275 ft. to 3302 ft. Total Depth 3302 ft.

Packer Depth 3270 ft. Size 6 5/8 in. Packer Depth -- ft. Size -- in.

Packer Depth 3275 ft. Size 6 5/8 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 3291 ft. Recorder Number 1563 Cap. 4200

Bottom Recorder Depth (Outside) 3294 ft. Recorder Number 13400 Cap. 3950

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

Drilling Contractor Duke Drlg. Rig #1 Drill Collar Length -- I. D. -- in.

Mud Type starch Viscosity 50 Weight Pipe Length 823 I. D. 2.7 in.

Weight 10.2 Water Loss 11.2 cc. Drill Pipe Length 2431 I. D. 3.8 in.

Chlorides 52,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.

Jars: Make -- Serial Number -- Anchor Length 27 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: Weak, increased to four inch blow by end of initial flow period. Weak two inch blow decreased to one inch by end of final flow period.

Recovered 15 ft. of oil cut mud

Recovered 120 ft. of very heavy oil and gas cut mud

Recovered 60 ft. of mud and gas cut oil

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:40 A.M. Time Started Off Bottom 10:40 A.M. Maximum Temperature 114°

Initial Hydrostatic Pressure (A) 1850 P.S.I.

Initial Flow Period Minutes 30 (B) 51 P.S.I. to (C) 77 P.S.I.

Initial Closed In Period Minutes 30 (D) 956 P.S.I.

Final Flow Period Minutes 30 (E) 97 P.S.I. to (F) 113 P.S.I.

Final Closed In Period Minutes 30 (G) 891 P.S.I.

Final Hydrostatic Pressure (H) 1808 P.S.I.

WESTERN-TESTING CO., INC.

Pressure Data

Date 12/18/82 Test Ticket No. 18002
 Recorder No. 1563 Capacity 4200 Location 3291 Ft.
 Clock No. --- Elevation 1763 Kelly Bushing Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1850</u> P.S.I.	Open Tool	8:40P	M
B First Initial Flow Pressure	<u>51</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>77</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>956</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>97</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>113</u> P.S.I.			
G Final Closed-in Pressure	<u>891</u> P.S.I.			
H Final Hydrostatic Mud	<u>1808</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>51</u>	<u>0</u>	<u>77</u>	<u>0</u>	<u>97</u>	<u>0</u>	<u>113</u>
P 2 <u>5</u>	<u>51</u>	<u>3</u>	<u>715</u>	<u>5</u>	<u>97</u>	<u>3</u>	<u>574</u>
P 3 <u>10</u>	<u>53</u>	<u>6</u>	<u>793</u>	<u>10</u>	<u>97</u>	<u>6</u>	<u>702</u>
P 4 <u>15</u>	<u>57</u>	<u>9</u>	<u>831</u>	<u>15</u>	<u>101</u>	<u>9</u>	<u>751</u>
P 5 <u>20</u>	<u>64</u>	<u>12</u>	<u>859</u>	<u>20</u>	<u>107</u>	<u>12</u>	<u>785</u>
P 6 <u>25</u>	<u>72</u>	<u>15</u>	<u>883</u>	<u>25</u>	<u>111</u>	<u>15</u>	<u>811</u>
P 7 <u>30</u>	<u>77</u>	<u>18</u>	<u>901</u>	<u>30</u>	<u>113</u>	<u>18</u>	<u>831</u>
P 8		<u>21</u>	<u>919</u>			<u>21</u>	<u>849</u>
P 9		<u>24</u>	<u>934</u>			<u>24</u>	<u>867</u>
P10		<u>27</u>	<u>947</u>			<u>27</u>	<u>883</u>
P11		<u>30</u>	<u>956</u>			<u>30</u>	<u>891</u>
P12							
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