

Company Vicorp Energy, Inc. Lease & Well No. #001 Miller
 Elevation 1996 Kelly Bushing Conglomerate Sand Effective Pay - Ft. Ticket No. 16735
 Date 1/29/83 Sec. 12 Twp 19S Range 16W County Rush State Kansas
 Test Approved by Greg Maier Western Representative Ray Schwager

Formation Test No. 1 Interval Tested from 3556 ft. to 3625 ft. Total Depth 3625 ft.
 Packer Depth 3551 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 3556 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3576 ft. Recorder Number 13271 Cap. 4400
 Bottom Recorder Depth (Outside) 3579 ft. Recorder Number 13221 Cap. 4450
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Damac Drlg Rig #7 Drill Collar Length - I. D. - in.

Mud Type Starch Viscosity 45 Weight Pipe Length - I. D. - in.

Weight 10.2 Water Loss 9.6 cc. Drill Pipe Length 3535 I. D. 3.8 in.

Chlorides 54,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.

Jars: Make - Serial Number - Anchor Length 69 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No Surface Choke Size 5/8 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Initial flow period weak blow building to fair blow - 2 inch to 4 inch blow.
Final flow period weak blow decreasing to very weak blow - 1 inch to 1/4 inch blow

Recovered 100 ft. of mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 9:40 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 12:40 ~~P.M.~~ ^{A.M.} Maximum Temperature 107

Initial Hydrostatic Pressure (A) 1897 P.S.I.
 Initial Flow Period Minutes 45 (B) 71 P.S.I. to (C) 71 P.S.I.
 Initial Closed In Period Minutes 45 (D) 181 P.S.I.
 Final Flow Period Minutes 45 (E) 83 P.S.I. to (F) 83 P.S.I.
 Final Closed In Period Minutes 45 (G) 94 P.S.I.
 Final Hydrostatic Pressure (H) 1893 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 1/29/83 Test Ticket No. 16735
 Recorder No. 13271 Capacity 4400 Location 3576 Ft.
 Clock No. - Elevation 1996 Kelly Bushing Well Temperature 107 °F

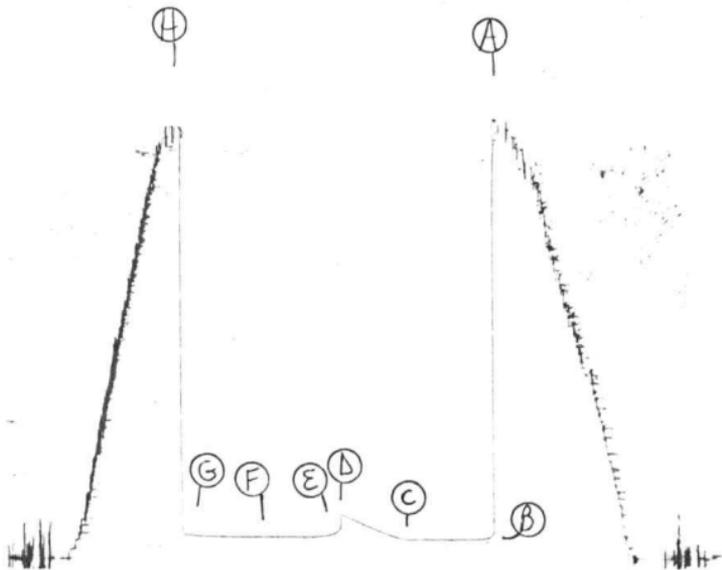
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1897</u>	P.S.I.	<u>9:40A</u>	<u>M</u>
B First Initial Flow Pressure	<u>71</u>	P.S.I.	<u>45</u>	<u>Mins. 45 Mins.</u>
C First Final Flow Pressure	<u>71</u>	P.S.I.	<u>45</u>	<u>Mins. 45 Mins.</u>
D Initial Closed-in Pressure	<u>181</u>	P.S.I.	<u>45</u>	<u>Mins. 45 Mins.</u>
E Second Initial Flow Pressure	<u>83</u>	P.S.I.	<u>45</u>	<u>Mins. 45 Mins.</u>
F Second Final Flow Pressure	<u>83</u>	P.S.I.		
G Final Closed-in Pressure	<u>94</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1893</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>15</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>71</u>	<u>0</u>	<u>71</u>	<u>0</u>	<u>83</u>	<u>0</u>	<u>83</u>
P 2 <u>5</u>	<u>71</u>	<u>3</u>	<u>71</u>	<u>5</u>	<u>83</u>	<u>3</u>	<u>83</u>
P 3 <u>10</u>	<u>71</u>	<u>6</u>	<u>73</u>	<u>10</u>	<u>83</u>	<u>6</u>	<u>83</u>
P 4 <u>15</u>	<u>71</u>	<u>9</u>	<u>77</u>	<u>15</u>	<u>83</u>	<u>9</u>	<u>83</u>
P 5 <u>20</u>	<u>71</u>	<u>12</u>	<u>85</u>	<u>20</u>	<u>83</u>	<u>12</u>	<u>83</u>
P 6 <u>25</u>	<u>71</u>	<u>15</u>	<u>93</u>	<u>25</u>	<u>83</u>	<u>15</u>	<u>83</u>
P 7 <u>30</u>	<u>71</u>	<u>18</u>	<u>102</u>	<u>30</u>	<u>83</u>	<u>18</u>	<u>83</u>
P 8 <u>35</u>	<u>71</u>	<u>21</u>	<u>111</u>	<u>35</u>	<u>83</u>	<u>21</u>	<u>83</u>
P 9 <u>40</u>	<u>71</u>	<u>24</u>	<u>121</u>	<u>40</u>	<u>83</u>	<u>24</u>	<u>83</u>
P10 <u>45</u>	<u>71</u>	<u>27</u>	<u>130</u>	<u>45</u>	<u>83</u>	<u>27</u>	<u>84</u>
P11		<u>30</u>	<u>139</u>			<u>30</u>	<u>85</u>
P12		<u>33</u>	<u>148</u>			<u>33</u>	<u>86</u>
P13		<u>36</u>	<u>157</u>			<u>36</u>	<u>88</u>
P14		<u>39</u>	<u>166</u>			<u>39</u>	<u>90</u>
P15		<u>42</u>	<u>175</u>			<u>42</u>	<u>92</u>
P16		<u>45</u>	<u>181</u>			<u>45</u>	<u>94</u>
P17							
P18							
P19							
P20							

TKT # 16735

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13271

Company Vicorp Energy, Inc. Lease & Well No. #001 Miller
 Elevation 1996 Kelly Bushing Formation Reagan Sand Effective Pay - Ft. Ticket No. 16736
 Date 1/30/83 Sec. 12 Twp. 19S Range 16W County Rush State Kansas
 Test Approved by Greg Maier Western Representative Ray Schwager

Formation Test No. 2 Interval Tested from 3652 ft. to 3680 ft. Total Depth 3680 ft.
 Packer Depth 3647 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 3652 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3666 ft. Recorder Number 13271 Cap. 4400
 Bottom Recorder Depth (Outside) 3669 ft. Recorder Number 13221 Cap. 4450
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Damac Drlg Rig #7 Drill Collar Length - I. D. - in.
 Mud Type Starch Viscosity 45 Weight Pipe Length - I. D. - in.
 Weight 10.2 Water Loss 9.6 cc. Drill Pipe Length 3631 I. D. 3.8 in.
 Chlorides 54,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.
 Jars: Make - Serial Number - Anchor Length 28 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out Yes Surface Choke Size 5/8 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Initial flow period strong blow throughout.
Final flow period good blow throughout.

Recovered 2250 ft. of slightly gassy salt water Chlorides 36,000 PPM
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 4:10 A.M. Time Started Off Bottom 7:10 P.M. Maximum Temperature 114
 Initial Hydrostatic Pressure (A) 1970 P.S.I.
 Initial Flow Period Minutes 45 (B) 776 P.S.I. to (C) 1090 P.S.I.
 Initial Closed In Period Minutes 45 (D) 1105 P.S.I.
 Final Flow Period Minutes 45 (E) 1105 P.S.I. to (F) 1106 P.S.I.
 Final Closed In Period Minutes 42 (G) 1106 P.S.I.
 Final Hydrostatic Pressure (H) 1966 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 1/30/83 Test Ticket No. 16736
 Recorder No. 13271 Capacity 4400 Location 3666 Ft.
 Clock No. - Elevation 1996 Kelly Bushing Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1970</u>	P.S.I.	<u>4:10A</u>	<u>M</u>
B First Initial Flow Pressure	<u>776</u>	P.S.I.	<u>45</u>	<u>Mins. 45</u> Mins.
C First Final Flow Pressure	<u>1090</u>	P.S.I.	<u>45</u>	<u>Mins. 45</u> Mins.
D Initial Closed-in Pressure	<u>1105</u>	P.S.I.	<u>45</u>	<u>Mins. 45</u> Mins.
E Second Initial Flow Pressure	<u>1105</u>	P.S.I.	<u>45</u>	<u>Mins. 42</u> Mins.
F Second Final Flow Pressure	<u>1106</u>	P.S.I.		
G Final Closed-in Pressure	<u>1106</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1966</u>	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure Breakdown:		Initial Shut-In Breakdown:		Second Flow Pressure Breakdown:		Final Shut-In Breakdown:	
	Inc.	mins. and a final inc. of	Inc.	mins. and a final inc. of	Inc.	mins. and a final inc. of	Inc.	mins. and a final inc. of
	<u>9</u>	<u>5</u> mins. and a final inc. of <u>0</u> Min.	<u>15</u>	<u>3</u> mins. and a final inc. of <u>0</u> Min.	<u>9</u>	<u>5</u> mins. and a final inc. of <u>0</u> Min.	<u>14</u>	<u>3</u> mins. and a final inc. of <u>0</u> Min.
P 1	<u>0</u>	<u>776</u>	<u>0</u>	<u>1090</u>	<u>0</u>	<u>1105</u>	<u>0</u>	<u>1106</u>
P 2	<u>5</u>	<u>781</u>	<u>3</u>	<u>1094</u>	<u>5</u>	<u>1105</u>	<u>3</u>	<u>1106</u>
P 3	<u>10</u>	<u>848</u>	<u>6</u>	<u>1096</u>	<u>10</u>	<u>1105</u>	<u>6</u>	<u>1106</u>
P 4	<u>15</u>	<u>930</u>	<u>9</u>	<u>1098</u>	<u>15</u>	<u>1105</u>	<u>9</u>	<u>1106</u>
P 5	<u>20</u>	<u>996</u>	<u>12</u>	<u>1100</u>	<u>20</u>	<u>1105</u>	<u>12</u>	<u>1106</u>
P 6	<u>25</u>	<u>1035</u>	<u>15</u>	<u>1102</u>	<u>25</u>	<u>1106</u>	<u>15</u>	<u>1106</u>
P 7	<u>30</u>	<u>1058</u>	<u>18</u>	<u>1103</u>	<u>30</u>	<u>1106</u>	<u>18</u>	<u>1106</u>
P 8	<u>35</u>	<u>1074</u>	<u>21</u>	<u>1104</u>	<u>35</u>	<u>1106</u>	<u>21</u>	<u>1106</u>
P 9	<u>40</u>	<u>1083</u>	<u>24</u>	<u>1105</u>	<u>40</u>	<u>1106</u>	<u>24</u>	<u>1106</u>
P10	<u>45</u>	<u>1090</u>	<u>27</u>	<u>1105</u>	<u>45</u>	<u>1106</u>	<u>27</u>	<u>1106</u>
P11			<u>30</u>	<u>1105</u>			<u>30</u>	<u>1106</u>
P12			<u>33</u>	<u>1105</u>			<u>33</u>	<u>1106</u>
P13			<u>36</u>	<u>1105</u>			<u>36</u>	<u>1106</u>
P14			<u>39</u>	<u>1105</u>			<u>39</u>	<u>1106</u>
P15			<u>42</u>	<u>1105</u>			<u>42</u>	<u>1106</u>
P16			<u>45</u>	<u>1105</u>				
P17								
P18								
P19								
P20								

TKT # 16736

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