

Company Beren Corporation Lease & Well No. Fish & Game #2-6
Elevation N/A Formation Lansing Effective Pay - Ft. Ticket No. 15928
Date 3/21/82 Sec. 6 Twp. 27S Range 15W County Pratt State Kansas
Test Approved by Robert C. Lewellyn Western Representative Karl Leo West, Jr.
Formation Test No. 1 Interval Tested from 4026 ft. to 4038 ft. Total Depth 4038 ft.
Packer Depth 4021 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4026 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4029 ft. Recorder Number 5673 Cap. 5400
Bottom Recorder Depth (Outside) 4031 ft. Recorder Number 15640 Cap. 6600
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Beredco Drlg. Rig #2 Drill Collar Length 280 I. D. 2.26 in.
Mud Type chem-driscopac Viscosity 46 Weight Pipe Length - I. D. - in.
Weight 9.2 Water Loss 11.6 cc. Drill Pipe Length 3781 I. D. 3.8 in.
Chlorides N/A P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
Jars: Make No Serial Number - Anchor Length 12 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 XH in.

Blow: No blow.

Recovered 90 ft. of oil and gas cut mud

Recovered 90 ft. of oil and gas cut watery mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: Slid three feet - no blow - flushed tool ; checked surface equipment; flushed again;
turned tool one turn at time; flushed again - no blow. MISRUN

Time Set Packer(s) 5:45 ~~P.M.~~ A.M. Time Started Off Bottom 6:30 ~~P.M.~~ A.M. Maximum Temperature 120°
Initial Hydrostatic Pressure 2000 (A) - P.S.I.
Initial Flow Period 30 Minutes (B) 78 P.S.I. to (C) 145 P.S.I.
Initial Closed In Period -- Minutes (D) --- P.S.I.
Final Flow Period -- Minutes (E) --- P.S.I. to (F) --- P.S.I.
Final Closed In Period -- Minutes (G) --- P.S.I.
Final Hydrostatic Pressure 1932 (H) - P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 3/21/82 Test Ticket No. 15928
 Recorder No. 5673 Capacity 5400 Location 4029 Ft.
 Clock No. ---- Elevation - Well Temperature 120 °F

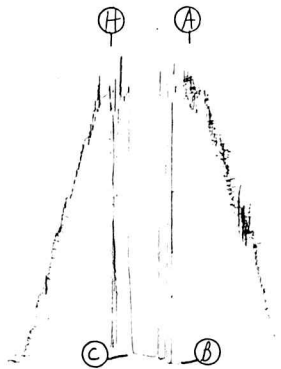
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2000	P.S.I.	5:45A	M
B First Initial Flow Pressure	78	P.S.I.	--	30
C First Final Flow Pressure	145	P.S.I.	--	--
D Initial Closed-in Pressure	--	P.S.I.	--	--
E Second Initial Flow Pressure	--	P.S.I.	--	--
F Second Final Flow Pressure	--	P.S.I.	--	--
G Final Closed-in Pressure	--	P.S.I.	--	--
H Final Hydrostatic Mud	1932	P.S.I.	--	--

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>0</u> Inc.		Breakdown: <u>0</u> Inc.		Breakdown: <u>0</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>78</u>						
P 2 <u>5</u>	<u>112</u>						
P 3 <u>10</u>	<u>126</u>						
P 4 <u>15</u>	<u>136</u>						
P 5 <u>20</u>	<u>143</u>						
P 6 <u>25</u>	<u>145</u>						
P 7 <u>30</u>							
P 8							
P 9							
P 10							
P 11							
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

TKT 15928

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5673
#1
F66.2-6

Company Beren Corporation Lease & Well No. Fish & Game #2-6
Elevation N/A Formation Lansing Effective Pay - Ft. Ticket No. 15929
Date 3/21/82 Sec. 6 Twp. 27S Range 15W County Pratt State Kansas
Test Approved by Robert C. Lewellyn Western Representative Karl Leo West, Jr.
Formation Test No. 2 Interval Tested from 4018 ft. to 4038 ft. Total Depth 4038 ft.
Packer Depth 4013 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4018 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4021 ft. Recorder Number 5673 Cap. 5400
Bottom Recorder Depth (Outside) 4024 ft. Recorder Number 15640 Cap. 6600
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Beredco Drlg. Rig #2 Drill Collar Length 280 I. D. 2.26 in.
Mud Type chem-driscopac Viscosity 62 Weight Pipe Length - I. D. - in.
Weight 9.2 Water Loss 13.6 cc. Drill Pipe Length 3781 I. D. 3.8 in.
Chlorides N/A P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
Jars: Make No Serial Number - Anchor Length 20 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 XH in.

Blow: Initial flow period weak to strong. Final flow period fair to strong.

Recovered 100 ft. of gas in pipe
Recovered 5 ft. of froggy oil 25% mud; 21% water; 33% oil; 21% gas
Recovered 548 ft. of salt water Chlorides 134,000 ppm
Recovered ft. of
Recovered ft. of

Remarks:

Time Set Packer(s) 2:35 A.M. Time Started Off Bottom 7:20 A.M. Maximum Temperature 120°
Initial Hydrostatic Pressure (A) 1965 P.S.I.
Initial Flow Period Minutes 25 (B) 46 P.S.I. to (C) 98 P.S.I.
Initial Closed In Period Minutes 45 (D) 1234 P.S.I.
Final Flow Period Minutes 115 (E) 144 P.S.I. to (F) 227 P.S.I.
Final Closed In Period Minutes 84 (G) 1191 P.S.I.
Final Hydrostatic Pressure (H) 1864 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 3/21/82 Test Ticket No. 15929
 Recorder No. 5673 Capacity 5400 Location 4021 Ft. ---
 Clock No. --- Elevation --- Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1965</u> P.S.I.	Open Tool	<u>2:35P</u> M	
B First Initial Flow Pressure	<u>46</u> P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>25</u> Mins.
C First Final Flow Pressure	<u>98</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1234</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins	<u>115</u> Mins.
E Second Initial Flow Pressure	<u>144</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins	<u>84</u> Mins.
F Second Final Flow Pressure	<u>227</u> P.S.I.			
G Final Closed-in Pressure	<u>1191</u> P.S.I.			
H Final Hydrostatic Mud	<u>1864</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>23</u> Inc.		Breakdown: <u>28</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>46</u>	<u>0</u>	<u>98</u>	<u>0</u>	<u>144</u>	<u>0</u>	<u>227</u>
P 2 <u>5</u>	<u>46</u>	<u>3</u>	<u>585</u>	<u>5</u>	<u>144</u>	<u>3</u>	<u>530</u>
P 3 <u>10</u>	<u>57</u>	<u>6</u>	<u>862</u>	<u>10</u>	<u>144</u>	<u>6</u>	<u>685</u>
P 4 <u>15</u>	<u>71</u>	<u>9</u>	<u>966</u>	<u>15</u>	<u>146</u>	<u>9</u>	<u>768</u>
P 5 <u>20</u>	<u>85</u>	<u>12</u>	<u>1033</u>	<u>20</u>	<u>150</u>	<u>12</u>	<u>822</u>
P 6 <u>25</u>	<u>98</u>	<u>15</u>	<u>1075</u>	<u>25</u>	<u>154</u>	<u>15</u>	<u>866</u>
P 7		<u>18</u>	<u>1106</u>	<u>30</u>	<u>158</u>	<u>18</u>	<u>902</u>
P 8		<u>21</u>	<u>1130</u>	<u>35</u>	<u>162</u>	<u>21</u>	<u>932</u>
P 9		<u>24</u>	<u>1152</u>	<u>40</u>	<u>166</u>	<u>24</u>	<u>956</u>
P10		<u>27</u>	<u>1171</u>	<u>45</u>	<u>172</u>	<u>27</u>	<u>980</u>
P11		<u>30</u>	<u>1186</u>	<u>50</u>	<u>177</u>	<u>30</u>	<u>1002</u>
P12		<u>33</u>	<u>1195</u>	<u>55</u>	<u>185</u>	<u>33</u>	<u>1018</u>
P13		<u>36</u>	<u>1211</u>	<u>60</u>	<u>188</u>	<u>36</u>	<u>1036</u>
P14		<u>39</u>	<u>1222</u>	<u>65</u>	<u>194</u>	<u>39</u>	<u>1051</u>
P15		<u>42</u>	<u>1233</u>	<u>70</u>	<u>198</u>	<u>42</u>	<u>1065</u>
P16		<u>45</u>	<u>1234</u>	<u>75</u>	<u>202</u>	<u>45</u>	<u>1076</u>
P17				<u>80</u>	<u>203</u>	<u>48</u>	<u>1089</u>
P18				<u>85</u>	<u>206</u>	<u>51</u>	<u>1103</u>
P19				<u>90</u>	<u>208</u>	<u>54</u>	<u>1111</u>
P20				<u>95</u>	<u>212</u>	<u>57</u>	<u>1118</u>
				<u>100</u>	<u>218</u>	<u>60</u>	<u>1129</u>

WESTERN TESTING CO., INC.

Pressure Data

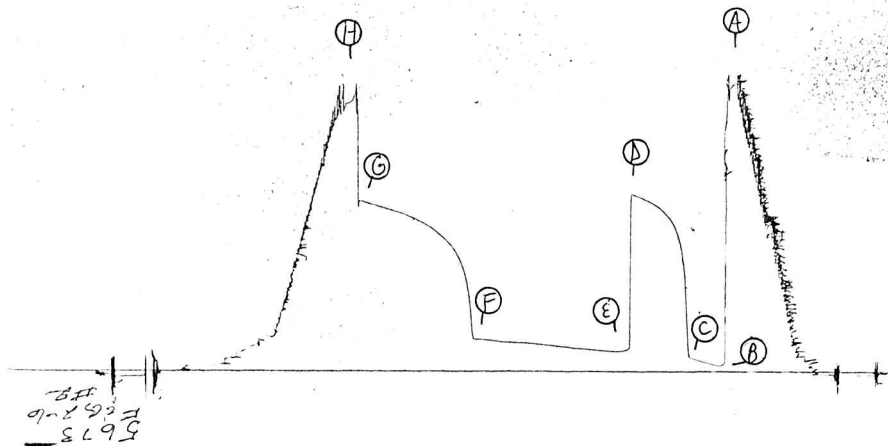
Date 3/21/82 Test Ticket No. 15929
 Recorder No. 5673 Capacity 5400 Location 4021 Ft.
 Clock No. --- Elevation --- Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1965</u> P.S.I.	Open Tool	<u>2:35P</u>	<u>M</u>
B First Initial Flow Pressure	<u>46</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>98</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1234</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>115</u> Mins.
E Second Initial Flow Pressure	<u>144</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>84</u> Mins.
F Second Final Flow Pressure	<u>227</u> P.S.I.			
G Final Closed-in Pressure	<u>1191</u> P.S.I.			
H Final Hydrostatic Mud	<u>1864</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>23</u> Inc.		Breakdown: <u>28</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>105</u>	<u>223</u>	<u>63</u>	<u>1137</u>
P 2				<u>110</u>	<u>227</u>	<u>66</u>	<u>1144</u>
P 3				<u>115</u>	<u>227</u>	<u>69</u>	<u>1152</u>
P 4						<u>72</u>	<u>1160</u>
P 5						<u>75</u>	<u>1167</u>
P 6						<u>78</u>	<u>1176</u>
P 7						<u>81</u>	<u>1184</u>
P 8						<u>84</u>	<u>1191</u>
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 15929
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Company Beren Corporation Lease & Well No. Fish & Game #2-6
Elevation 2081 Kelly Bushing Formation Lansing Effective Pay - Ft. Ticket No. 15930
Date 3/ 22/82 Sec. 6 Twp 27S Range 15W County Pratt State Kansas
Test Approved by Robert C. Lewellyn Western Representative Karl Leo West, Jr.

Formation Test No. 3 Interval Tested from 4270 ft. to 4300 ft. Total Depth 4300 ft.

Packer Depth 4265 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4270 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4276 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 4279 ft. Recorder Number 15640 Cap. 6600

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

Drilling Contractor Beredco Drlg. Rig #2 Drill Collar Length 280 I. D. 2.26 in.

Mud Type chem-driscap Viscosity 75 Weight Pipe Length - I. D. - in.

Weight 9.3 Water Loss 12.6 cc. Drill Pipe Length 4029 I. D. 3.8 in.

Chlorides N/A P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make No Serial Number - Anchor Length 30 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 XH in.

Blow: Initial flow period weak and dead in twenty-four minutes.

Final flow period very weak and dead in eleven minutes.

Recovered 40 ft. of mud with slight rainbow

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:00 ~~A.M.~~ P.M. Time Started Off Bottom 10:00 ~~A.M.~~ P.M. Maximum Temperature 122°

Initial Hydrostatic Pressure 2096 (A) P.S.I.

Initial Flow Period 30 Minutes (B) 45 P.S.I. to (C) 46 P.S.I.

Initial Closed In Period 30 Minutes (D) 1175 P.S.I.

Final Flow Period 30 Minutes (E) 56 P.S.I. to (F) 60 P.S.I.

Final Closed In Period 27 Minutes (G) 1075 P.S.I.

Final Hydrostatic Pressure 2046 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

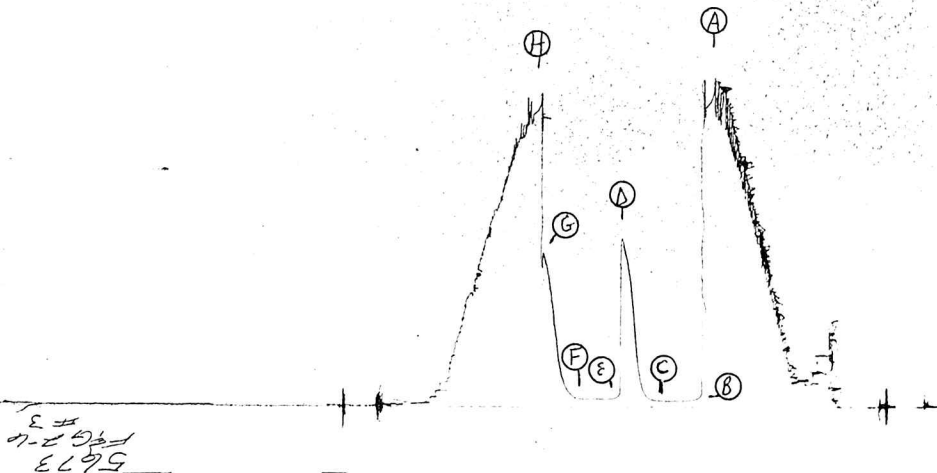
Date 3/22/82 Test Ticket No. 15930
 Recorder No. 5673 Capacity 5400 Location 4276 Ft.
 Clock No. --- Elevation --- Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2096	P.S.I.	8:00P	M
B First Initial Flow Pressure	45	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	46	P.S.I.	30	Mins. 30 Mins.
D Initial Closed-in Pressure	1175	P.S.I.	30	Mins. 30 Mins.
E Second Initial Flow Pressure	56	P.S.I.	30	Mins. 27 Mins.
F Second Final Flow Pressure	60	P.S.I.		
G Final Closed-in Pressure	1075	P.S.I.		
H Final Hydrostatic Mud	2046	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>9</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>45</u>	<u>0</u>	<u>46</u>	<u>0</u>	<u>56</u>	<u>0</u>	<u>60</u>
P 2 <u>5</u>	<u>45</u>	<u>3</u>	<u>48</u>	<u>5</u>	<u>56</u>	<u>3</u>	<u>68</u>
P 3 <u>10</u>	<u>45</u>	<u>6</u>	<u>52</u>	<u>10</u>	<u>56</u>	<u>6</u>	<u>85</u>
P 4 <u>15</u>	<u>45</u>	<u>9</u>	<u>63</u>	<u>15</u>	<u>56</u>	<u>9</u>	<u>116</u>
P 5 <u>20</u>	<u>45</u>	<u>12</u>	<u>92</u>	<u>20</u>	<u>56</u>	<u>12</u>	<u>188</u>
P 6 <u>25</u>	<u>45</u>	<u>15</u>	<u>174</u>	<u>25</u>	<u>56</u>	<u>15</u>	<u>310</u>
P 7 <u>30</u>	<u>46</u>	<u>18</u>	<u>399</u>	<u>30</u>	<u>60</u>	<u>18</u>	<u>533</u>
P 8 _____		<u>21</u>	<u>732</u>			<u>21</u>	<u>806</u>
P 9 _____		<u>24</u>	<u>964</u>			<u>24</u>	<u>986</u>
P10 _____		<u>27</u>	<u>1108</u>			<u>27</u>	<u>1075</u>
P11 _____		<u>30</u>	<u>1175</u>				
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

TKT # 15930
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Company Beren Corporation Lease & Well No. Fish & Game #2-6
 Elevation 2081 Kelly Bushing Pawnee Formation Effective Pay - Ft. Ticket No. 15932
 Date 3/ 23/82 Sec. 6 Twp. 27S Range 15W County Pratt State Kansas
 Test Approved by Robert C. Lewellyn Western Representative Karl Leo West, Jr.
 Formation Test No. 4 Interval Tested from 4366 ft. to 4420 ft. Total Depth 4420 ft.
 Packer Depth 4361 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4366 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4384 ft. Recorder Number 5673 Cap. 5400
 Bottom Recorder Depth (Outside) 4387 ft. Recorder Number 15640 Cap. 6600
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Beredco Drlg. Rig #2 Drill Collar Length 280 I. D. 2.26 in.
 Mud Type chem-driscopac Viscosity 58 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 16.0 cc. Drill Pipe Length 4153 I. D. 3.8 in.
 Chlorides 19,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
 Jars: Make No Serial Number - Anchor Length 54 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 XH in.

Blow: Weak to strong in ten minutes on initial flow period. Strong throughout final flow period.

Recovered 1440 ft. of weak gas in pipe
 Recovered 30 ft. of clean oil
 Recovered 90 ft. of 72% mud;15% oil;13% gas. Gassy oil cut mud
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 4:05 A.M. Time Started Off Bottom 8:50 A.M. Maximum Temperature 121°
 Initial Hydrostatic Pressure 1860 P.S.I.
 Initial Flow Period 30 Minutes (B) 79 P.S.I. to (C) 79 P.S.I.
 Initial Closed In Period 51 Minutes (D) 924 P.S.I.
 Final Flow Period 120 Minutes (E) 81 P.S.I. to (F) 93 P.S.I.
 Final Closed In Period 87 Minutes (G) 1016 P.S.I.
 Final Hydrostatic Pressure 1813 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 3/23/82 Recorder No. 5673 Capacity 5400 Test Ticket No. 15932
 Location 4384 Ft. --- Clock No. --- Elevation 2081 Kelly Bushing Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1860	P.S.I.	4:05P	M
B First Initial Flow Pressure	79	P.S.I.	30	Mins. 30
C First Final Flow Pressure	79	P.S.I.	45	Mins. 51
D Initial Closed-in Pressure	924	P.S.I.	120	Mins. 120
E Second Initial Flow Pressure	81	P.S.I.	90	Mins. 87
F Second Final Flow Pressure	93	P.S.I.		
G Final Closed-in Pressure	1016	P.S.I.		
H Final Hydrostatic Mud	1813	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>24</u> Inc.		Breakdown: <u>29</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>79</u>	<u>0</u>	<u>79</u>	<u>0</u>	<u>81</u>	<u>0</u>	<u>93</u>
P 2 <u>5</u>	<u>79</u>	<u>3</u>	<u>101</u>	<u>5</u>	<u>81</u>	<u>3</u>	<u>112</u>
P 3 <u>10</u>	<u>79</u>	<u>6</u>	<u>147</u>	<u>10</u>	<u>81</u>	<u>6</u>	<u>144</u>
P 4 <u>15</u>	<u>79</u>	<u>9</u>	<u>197</u>	<u>15</u>	<u>81</u>	<u>9</u>	<u>172</u>
P 5 <u>20</u>	<u>79</u>	<u>12</u>	<u>256</u>	<u>20</u>	<u>81</u>	<u>12</u>	<u>206</u>
P 6 <u>25</u>	<u>79</u>	<u>15</u>	<u>300</u>	<u>25</u>	<u>81</u>	<u>15</u>	<u>246</u>
P 7 <u>30</u>	<u>79</u>	<u>18</u>	<u>361</u>	<u>30</u>	<u>81</u>	<u>18</u>	<u>276</u>
P 8		<u>21</u>	<u>426</u>	<u>35</u>	<u>82</u>	<u>21</u>	<u>309</u>
P 9		<u>24</u>	<u>489</u>	<u>40</u>	<u>83</u>	<u>24</u>	<u>346</u>
P10		<u>27</u>	<u>551</u>	<u>45</u>	<u>84</u>	<u>27</u>	<u>379</u>
P11		<u>30</u>	<u>615</u>	<u>50</u>	<u>84</u>	<u>30</u>	<u>423</u>
P12		<u>33</u>	<u>677</u>	<u>55</u>	<u>83</u>	<u>33</u>	<u>461</u>
P13		<u>36</u>	<u>732</u>	<u>60</u>	<u>83</u>	<u>36</u>	<u>502</u>
P14		<u>39</u>	<u>781</u>	<u>65</u>	<u>84</u>	<u>39</u>	<u>549</u>
P15		<u>42</u>	<u>833</u>	<u>70</u>	<u>85</u>	<u>42</u>	<u>597</u>
P16		<u>45</u>	<u>872</u>	<u>75</u>	<u>86</u>	<u>45</u>	<u>638</u>
P17		<u>48</u>	<u>912</u>	<u>80</u>	<u>87</u>	<u>48</u>	<u>680</u>
P18		<u>51</u>	<u>924</u>	<u>85</u>	<u>88</u>	<u>51</u>	<u>719</u>
P19				<u>90</u>	<u>89</u>	<u>54</u>	<u>759</u>
P20				<u>95</u>	<u>90</u>	<u>57</u>	<u>791</u>
				<u>100</u>	<u>91</u>	<u>60</u>	<u>822</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 3/23/82 Recorder No. 5673 Capacity 5400 Test Ticket No. 15932
 Clock No. --- Elevation 2081 Kelly Bushing Location 4384 Ft. ---
 Well Temperature 121 °F

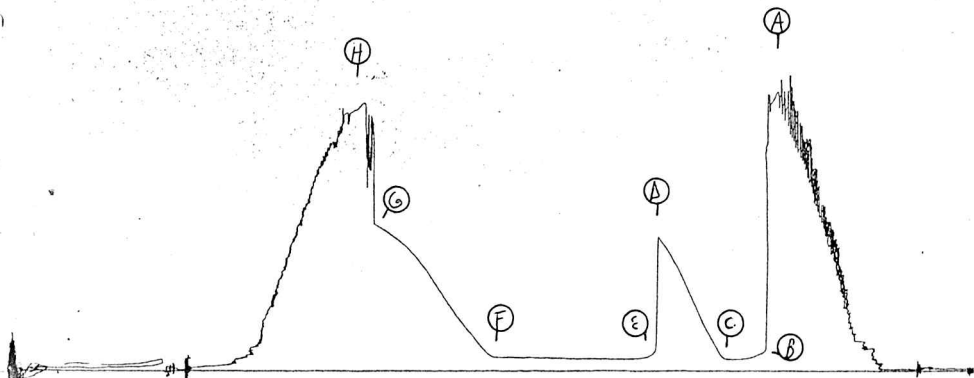
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1860	P.S.I.	4:05P	M
B First Initial Flow Pressure	79	P.S.I.	30	Mins. 30
C First Final Flow Pressure	79	P.S.I.	45	Mins. 51
D Initial Closed-in Pressure	924	P.S.I.	120	Mins. 120
E Second Initial Flow Pressure	81	P.S.I.	90	Mins. 87
F Second Final Flow Pressure	93	P.S.I.		
G Final Closed-in Pressure	1016	P.S.I.		
H Final Hydrostatic Mud	1813	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>24</u> Inc.		Breakdown: <u>29</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				105	92	63	854
P 2				110	93	66	879
P 3				115	93	69	903
P 4				120	93	72	924
P 5						75	943
P 6						78	968
P 7						81	984
P 8						84	1002
P 9						87	1016
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 15932

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Company Beren Corporation Lease & Well No. Fish & Game #2-6
Elevation 2081 Kelly Bushing Mississippi Effective Pay - Ft. Ticket No. 15933
Date 3/24/82 Sec. 6 Twp. 27S Range 15W County Pratt State Kansas
Test Approved by Robert C. Lewellyn Western Representative Karl Leo West, Jr.
Formation Test No. 5 Interval Tested from 4440 ft. to 4510 ft. Total Depth 4510 ft.
Packer Depth 4435 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4440 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4446 ft. Recorder Number 5673 Cap. 5400
Bottom Recorder Depth (Outside) 4449 ft. Recorder Number 15640 Cap. 6600
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Beredco Drlg. Rig #2 Drill Collar Length 280 I. D. 2.26 in.
Mud Type chem-driscopac Viscosity 48 Weight Pipe Length - I. D. - in.
Weight 9.5 Water Loss 16.8 cc. Drill Pipe Length 4243 I. D. 3.8 in.
Chlorides 22,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
Jars: Make No Serial Number - Anchor Length 70 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 XH in.

Blow: Weak to strong in eleven minutes on initial flow period. Strong throughout final flow period. No gas to surface.

Recovered 410 ft. of gas in pipe
Recovered 90 ft. of slgithly oil and gas cut mud 12% oil;19% gas;69% mud
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks: Initial shut-in went over for rig repair.

Time Set Packer(s) 1:20 A.M. Time Started Off Bottom 6:15 A.M. Maximum Temperature 122°
Initial Hydrostatic Pressure 2174 P.S.I.
Initial Flow Period 30 Minutes (B) 48 P.S.I. to (C) 52 P.S.I.
Initial Closed In Period 51 Minutes (D) 342 P.S.I.
Final Flow Period 115 Minutes (E) 57 P.S.I. to (F) 67 P.S.I.
Final Closed In Period 87 Minutes (G) 410 P.S.I.
Final Hydrostatic Pressure 2120 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 3/24/82 Test Ticket No. 15933
 Recorder No. 5673 Capacity 5400 Location 4446 Ft.
 Clock No. --- Elevation 2081 KellyBushing Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2174</u> P.S.I.	Open Tool	<u>1:20P</u> M	
B First Initial Flow Pressure	<u>48</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>52</u> P.S.I.	Initial Closed-in Pressure	<u>55</u> Mins.	<u>51</u> Mins.
D Initial Closed-in Pressure	<u>342</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>115</u> Mins.
E Second Initial Flow Pressure	<u>57</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>87</u> Mins.
F Second Final Flow Pressure	<u>67</u> P.S.I.			
G Final Closed-in Pressure	<u>410</u> P.S.I.			
H Final Hydrostatic Mud	<u>2120</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>17</u> Inc.		Breakdown: <u>23</u> Inc.		Breakdown: <u>29</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>48</u>	<u>0</u>	<u>52</u>	<u>0</u>	<u>57</u>	<u>0</u>	<u>67</u>
P 2 <u>5</u>	<u>48</u>	<u>3</u>	<u>65</u>	<u>5</u>	<u>57</u>	<u>3</u>	<u>76</u>
P 3 <u>10</u>	<u>48</u>	<u>6</u>	<u>82</u>	<u>10</u>	<u>57</u>	<u>6</u>	<u>86</u>
P 4 <u>15</u>	<u>48</u>	<u>9</u>	<u>104</u>	<u>15</u>	<u>57</u>	<u>9</u>	<u>101</u>
P 5 <u>20</u>	<u>48</u>	<u>12</u>	<u>123</u>	<u>20</u>	<u>57</u>	<u>12</u>	<u>109</u>
P 6 <u>25</u>	<u>49</u>	<u>15</u>	<u>142</u>	<u>25</u>	<u>57</u>	<u>15</u>	<u>123</u>
P 7 <u>30</u>	<u>52</u>	<u>18</u>	<u>163</u>	<u>30</u>	<u>57</u>	<u>18</u>	<u>138</u>
P 8		<u>21</u>	<u>185</u>	<u>35</u>	<u>57</u>	<u>21</u>	<u>155</u>
P 9		<u>24</u>	<u>201</u>	<u>40</u>	<u>57</u>	<u>24</u>	<u>168</u>
P10		<u>27</u>	<u>219</u>	<u>45</u>	<u>57</u>	<u>27</u>	<u>180</u>
P11		<u>30</u>	<u>235</u>	<u>50</u>	<u>62</u>	<u>30</u>	<u>194</u>
P12		<u>33</u>	<u>249</u>	<u>55</u>	<u>63</u>	<u>33</u>	<u>208</u>
P13		<u>36</u>	<u>265</u>	<u>60</u>	<u>60</u>	<u>36</u>	<u>219</u>
P14		<u>39</u>	<u>283</u>	<u>65</u>	<u>59</u>	<u>39</u>	<u>232</u>
P15		<u>42</u>	<u>298</u>	<u>70</u>	<u>62</u>	<u>42</u>	<u>246</u>
P16		<u>45</u>	<u>316</u>	<u>75</u>	<u>62</u>	<u>45</u>	<u>254</u>
P17		<u>48</u>	<u>332</u>	<u>80</u>	<u>62</u>	<u>48</u>	<u>268</u>
P18		<u>51</u>	<u>342</u>	<u>85</u>	<u>65</u>	<u>51</u>	<u>284</u>
P19				<u>90</u>	<u>65</u>	<u>54</u>	<u>295</u>
P20				<u>95</u>	<u>68</u>	<u>57</u>	<u>306</u>
				<u>100</u>	<u>70</u>	<u>60</u>	<u>317</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 3/24/82 Recorder No. 5673 Capacity 5400 Test Ticket No. 15933
 Clock No. --- Elevation 2081 KellyBushing Location 4446 Ft. ---
 Well Temperature 122 °F

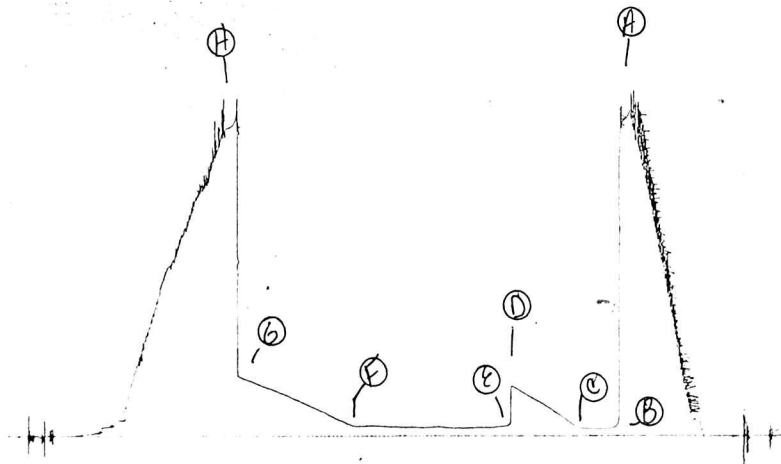
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2174</u> P.S.I.	Open Tool	<u>1:20P</u> M	
B First Initial Flow Pressure	<u>48</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>52</u> P.S.I.	Initial Closed-in Pressure	<u>55</u> Mins.	<u>51</u> Mins.
D Initial Closed-in Pressure	<u>342</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>115</u> Mins.
E Second Initial Flow Pressure	<u>57</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>87</u> Mins.
F Second Final Flow Pressure	<u>67</u> P.S.I.			
G Final Closed-in Pressure	<u>410</u> P.S.I.			
H Final Hydrostatic Mud	<u>2120</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>17</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>23</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>29</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				105	70	63	328
P 2				110	67	66	338
P 3				115	67	69	349
P 4						72	361
P 5						75	373
P 6						78	384
P 7						81	392
P 8						84	404
P 9						87	410
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

JK # 15933

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5673
Fig 2-4
5/5

Company Beren Corporation Lease & Well No. Fish & Game #2-6
 Elevation 2081 Kelly Bushing Formation Mississippi K.H. Effective Pay - Ft. Ticket No. 13971
 Date 3/ 25/82 Sec. 6 Twp. 27S Range 15W County Pratt State Kansas
 Test Approved by Robert C. Lewellyn Western Representative Richard Howell
 Formation Test No. 6 Interval Tested from 4510 ft. to 4545 ft. Total Depth 4545 ft.
 Packer Depth 4505 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4510 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4515 ft. Recorder Number 13402 Cap. 4025
 Bottom Recorder Depth (Outside) 4518 ft. Recorder Number 13267 Cap. 4050
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Beredco Drlg. Rig #2 Drill Collar Length 276 I. D. 2.2 in.
 Mud Type drispac Viscosity 48 Weight Pipe Length - I. D. - in.
 Weight 9.5 Water Loss 16.8 cc. Drill Pipe Length 4214 I. D. 3.8 in.
 Chlorides 22,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
 Jars: Make - Serial Number - Anchor Length 35 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 XH in.

Blow: Initial flow period weak blow building to fair - three inches into bucket. Final
flow period fair blow decreasing to two inches into bucket.

Recovered 25 ft. of 2% oil; 96% mud; 2% water
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Remarks:

Time Set Packer(s) 7:50 ~~P.M.~~ A.M. Time Started Off Bottom 12:35 ~~P.M.~~ A.M. Maximum Temperature 128°
 Initial Hydrostatic Pressure 2152 P.S.I. (A)
 Initial Flow Period 30 Minutes (B) 13 P.S.I. to (C) 14 P.S.I.
 Initial Closed In Period 42 Minutes (D) 130 P.S.I.
 Final Flow Period 115 Minutes (E) 22 P.S.I. to (F) 33 P.S.I.
 Final Closed In Period 90 Minutes (G) 228 P.S.I.
 Final Hydrostatic Pressure 2121 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 3/25/82 Test Ticket No. 13971
 Recorder No. 13402 Capacity 4025 Location 4515 Ft.
 Clock No. --- Elevation --- Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2152</u>	P.S.I.	<u>7:50A</u>	<u>M</u>
B First Initial Flow Pressure	<u>13</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
C First Final Flow Pressure	<u>14</u>	P.S.I.	<u>45</u>	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>130</u>	P.S.I.	<u>120</u>	<u>115</u> Mins.
E Second Initial Flow Pressure	<u>22</u>	P.S.I.	<u>90</u>	<u>90</u> Mins.
F Second Final Flow Pressure	<u>33</u>	P.S.I.		
G Final Closed-in Pressure	<u>228</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2121</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>14</u> Inc.		Breakdown: <u>23</u> Inc.		Breakdown: <u>30</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>13</u>	<u>0</u>	<u>14</u>	<u>0</u>	<u>22</u>	<u>0</u>	<u>33</u>
P 2 <u>5</u>	<u>13</u>	<u>3</u>	<u>21</u>	<u>5</u>	<u>22</u>	<u>3</u>	<u>35</u>
P 3 <u>10</u>	<u>13</u>	<u>6</u>	<u>28</u>	<u>10</u>	<u>22</u>	<u>6</u>	<u>40</u>
P 4 <u>15</u>	<u>13</u>	<u>9</u>	<u>34</u>	<u>15</u>	<u>22</u>	<u>9</u>	<u>45</u>
P 5 <u>20</u>	<u>14</u>	<u>12</u>	<u>41</u>	<u>20</u>	<u>22</u>	<u>12</u>	<u>51</u>
P 6 <u>25</u>	<u>14</u>	<u>15</u>	<u>49</u>	<u>25</u>	<u>22</u>	<u>15</u>	<u>57</u>
P 7 <u>30</u>	<u>14</u>	<u>18</u>	<u>58</u>	<u>30</u>	<u>23</u>	<u>18</u>	<u>64</u>
P 8 _____		<u>21</u>	<u>67</u>	<u>35</u>	<u>23</u>	<u>21</u>	<u>72</u>
P 9 _____		<u>24</u>	<u>75</u>	<u>40</u>	<u>23</u>	<u>24</u>	<u>79</u>
P10 _____		<u>27</u>	<u>85</u>	<u>45</u>	<u>24</u>	<u>27</u>	<u>84</u>
P11 _____		<u>30</u>	<u>95</u>	<u>50</u>	<u>24</u>	<u>30</u>	<u>91</u>
P12 _____		<u>33</u>	<u>105</u>	<u>55</u>	<u>24</u>	<u>33</u>	<u>96</u>
P13 _____		<u>36</u>	<u>114</u>	<u>60</u>	<u>25</u>	<u>36</u>	<u>102</u>
P14 _____		<u>39</u>	<u>124</u>	<u>65</u>	<u>26</u>	<u>39</u>	<u>108</u>
P15 _____		<u>42</u>	<u>130</u>	<u>70</u>	<u>27</u>	<u>42</u>	<u>114</u>
P16 _____				<u>75</u>	<u>28</u>	<u>45</u>	<u>120</u>
P17 _____				<u>80</u>	<u>29</u>	<u>48</u>	<u>128</u>
P18 _____				<u>85</u>	<u>30</u>	<u>51</u>	<u>134</u>
P19 _____				<u>90</u>	<u>31</u>	<u>54</u>	<u>142</u>
P20 _____				<u>95</u>	<u>32</u>	<u>57</u>	<u>148</u>
				<u>100</u>	<u>33</u>	<u>60</u>	<u>156</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 3/25/82 Test Ticket No. 13971
 Recorder No. 13402 Capacity 4025 Location 4515 Ft.
 Clock No. -- Elevation --- Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2152 P.S.I.	Open Tool	7:50A	M
B First Initial Flow Pressure	13 P.S.I.	First Flow Pressure	30	30 Mins.
C First Final Flow Pressure	14 P.S.I.	Initial Closed-in Pressure	45	42 Mins.
D Initial Closed-in Pressure	130 P.S.I.	Second Flow Pressure	120	115 Mins.
E Second Initial Flow Pressure	22 P.S.I.	Final Closed-in Pressure	90	90 Mins.
F Second Final Flow Pressure	33 P.S.I.			
G Final Closed-in Pressure	228 P.S.I.			
H Final Hydrostatic Mud	2121 P.S.I.			

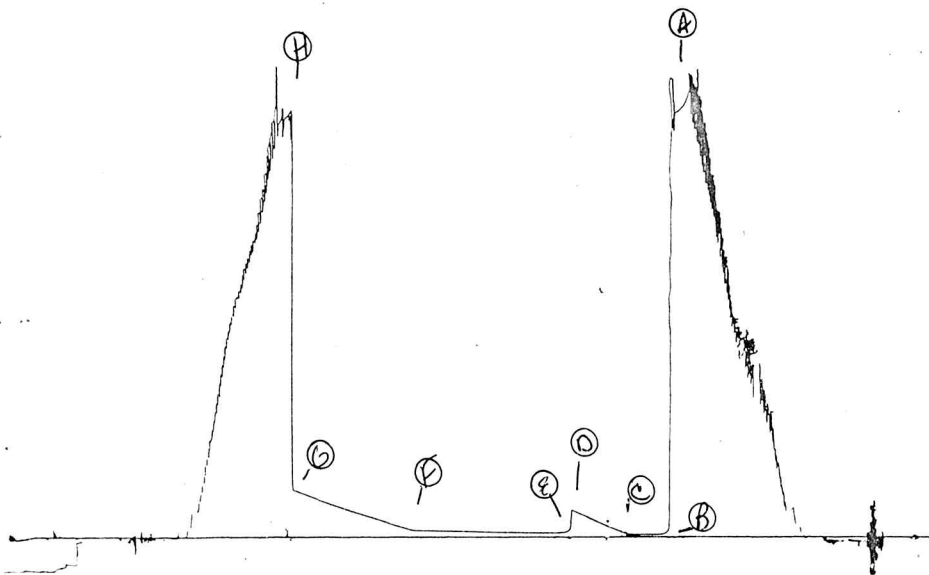
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>23</u> Inc.		Breakdown: <u>30</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				105	33	63	161
P 2				110	33	66	169
P 3				115	33	69	177
P 4						72	185
P 5						75	193
P 6						78	201
P 7						81	210
P 8						84	217
P 9						87	224
P10						90	228
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

13402 DST # 6

KT # 13971

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Company Beren Corporation Lease & Well No. Fish & Game #2-6
Elevation ---- Formation Mississippi-Kinderhook Pay - Ft. Ticket No. 13972
Date 3/26/82 Sec. 6 Twp. 27S Range 15W County Pratt State Kansas
Test Approved by ---- ? Western Representative Richard Howell

Formation Test No. 7 Interval Tested from 4505 ft. to 4553 ft. Total Depth 4553 ft.

Packer Depth 4500 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4505 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4508 ft. Recorder Number 13402 Cap. 4025

Bottom Recorder Depth (Outside) 4512 ft. Recorder Number 13267 Cap. 4050

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

Drilling Contractor Beredco Drlg. Rig #2 Drill Collar Length 276 I. D. 2.2 in.

Mud Type dris-pac Viscosity 62 Weight Pipe Length - I. D. - in.

Weight 9.5 Water Loss 12.8 cc. Drill Pipe Length 4240 I. D. 3.8 in.

Chlorides 22,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number - Anchor Length 48 ft. Size 5 1/2 & 6 1/4 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 XH in.

Blow: Initial flow period weak and steady one half inch into bucket. Final flow period weak and steady one inch into bucket.

Recovered 93 ft. of slightly oil specked mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:05 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 5:50 ~~P.M.~~ ^{A.M.} Maximum Temperature 128°

Initial Hydrostatic Pressure 2202 (A) P.S.I.

Initial Flow Period 30 Minutes (B) 34 P.S.I. to (C) 37 P.S.I.

Initial Closed In Period 45 Minutes (D) 229 P.S.I.

Final Flow Period 120 Minutes (E) 47 P.S.I. to (F) 61 P.S.I.

Final Closed In Period 87 Minutes (G) 210 P.S.I.

Final Hydrostatic Pressure 2158 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 3/26/82 Test Ticket No. 13972
 Recorder No. 13402 Capacity 4025 Location 4508 Ft.
 Clock No. -- Elevation --- Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2202</u> P.S.I.	Open Tool	<u>12:05A</u>	<u>M</u>
B First Initial Flow Pressure	<u>34</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>37</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>229</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>47</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>87</u> Mins.
F Second Final Flow Pressure	<u>61</u> P.S.I.			
G Final Closed-in Pressure	<u>210</u> P.S.I.			
H Final Hydrostatic Mud	<u>2158</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>15</u> Inc.		Breakdown: <u>24</u> Inc.		Breakdown: <u>29</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>34</u>	<u>0</u>	<u>37</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>61</u>
P 2 <u>5</u>	<u>34</u>	<u>3</u>	<u>39</u>	<u>5</u>	<u>47</u>	<u>3</u>	<u>63</u>
P 3 <u>10</u>	<u>34</u>	<u>6</u>	<u>45</u>	<u>10</u>	<u>47</u>	<u>6</u>	<u>66</u>
P 4 <u>15</u>	<u>34</u>	<u>9</u>	<u>53</u>	<u>15</u>	<u>47</u>	<u>9</u>	<u>71</u>
P 5 <u>20</u>	<u>35</u>	<u>12</u>	<u>60</u>	<u>20</u>	<u>47</u>	<u>12</u>	<u>75</u>
P 6 <u>25</u>	<u>36</u>	<u>15</u>	<u>69</u>	<u>25</u>	<u>47</u>	<u>15</u>	<u>79</u>
P 7 <u>30</u>	<u>37</u>	<u>18</u>	<u>79</u>	<u>30</u>	<u>47</u>	<u>18</u>	<u>83</u>
P 8		<u>21</u>	<u>90</u>	<u>35</u>	<u>47</u>	<u>21</u>	<u>87</u>
P 9		<u>24</u>	<u>100</u>	<u>40</u>	<u>48</u>	<u>24</u>	<u>93</u>
P10		<u>27</u>	<u>112</u>	<u>45</u>	<u>49</u>	<u>27</u>	<u>96</u>
P11		<u>30</u>	<u>128</u>	<u>50</u>	<u>50</u>	<u>30</u>	<u>101</u>
P12		<u>33</u>	<u>141</u>	<u>55</u>	<u>51</u>	<u>33</u>	<u>107</u>
P13		<u>36</u>	<u>161</u>	<u>60</u>	<u>52</u>	<u>36</u>	<u>112</u>
P14		<u>39</u>	<u>181</u>	<u>65</u>	<u>53</u>	<u>39</u>	<u>116</u>
P15		<u>42</u>	<u>205</u>	<u>70</u>	<u>54</u>	<u>42</u>	<u>121</u>
P16		<u>45</u>	<u>229</u>	<u>75</u>	<u>55</u>	<u>45</u>	<u>126</u>
P17				<u>80</u>	<u>56</u>	<u>48</u>	<u>131</u>
P18				<u>85</u>	<u>57</u>	<u>51</u>	<u>136</u>
P19				<u>90</u>	<u>58</u>	<u>54</u>	<u>141</u>
P20				<u>95</u>	<u>59</u>	<u>57</u>	<u>147</u>
				<u>100</u>	<u>59</u>	<u>60</u>	<u>153</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 3/26/82 Recorder No. 13402 Capacity 4025 Test Ticket No. 13972
 Location 4508 Ft. 128
 Clock No. --- Elevation --- Well Temperature --- °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2202</u> P.S.I.	Open Tool	12:05A	M
B First Initial Flow Pressure	<u>34</u> P.S.I.	First Flow Pressure	30	Mins. 30 Mins.
C First Final Flow Pressure	<u>37</u> P.S.I.	Initial Closed-in Pressure	45	Mins. 45 Mins.
D Initial Closed-in Pressure	<u>229</u> P.S.I.	Second Flow Pressure	120	Mins. 120 Mins.
E Second Initial Flow Pressure	<u>47</u> P.S.I.	Final Closed-in Pressure	90	Mins. 87 Mins.
F Second Final Flow Pressure	<u>61</u> P.S.I.			
G Final Closed-in Pressure	<u>210</u> P.S.I.			
H Final Hydrostatic Mud	<u>2158</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>15</u> Inc.		Breakdown: <u>24</u> Inc.		Breakdown: <u>29</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				105	59	63	159
P 2				110	60	66	164
P 3				115	61	69	170
P 4				120	61	72	176
P 5						75	181
P 6						78	187
P 7						81	194
P 8						84	200
P 9						87	210
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

#13402 DST #7

TKT #13972

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