

Company Beren Corporation Lease & Well No. McNally #1
 Elevation 1434 Kelly Bushing Formation Cherokee Effective Pay - Ft. Ticket No. 10954
 Date 4/27/81 Sec. 8 Twp. 35S Range 12W County Barber State Kansas
 Test Approved by Robert C Lewellyn Western Representative Mike Rogers

Formation Test No. 1 Interval Tested from 4806 ft. to 4825 ft. Total Depth 4825 ft.
 Packer Depth 4801 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 4806 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4809 ft. Recorder Number 1566 Cap. 4300
 Bottom Recorder Depth (Outside) 4813 ft. Recorder Number 3086 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Beredco Drilling Rig #2 Drill Collar Length 155 I. D. 2.2 in.
 Mud Type Chemical Viscosity 34 Weight Pipe Length - I. D. - in.
 Weight 9.4 Water Loss 36.4 cc. Drill Pipe Length 4630 I. D. 3.8 in.
 Chlorides 18,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
 Jars: Make - Serial Number - Anchor Length 19 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 in.

Blow: Very weak initial flow period. Very weak - flushed tool - Build (1 inch) final flow period

Recovered 120 ft. of drilling mud
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: Final shut-in failed - driller picked up tool too high.

Time Set Packer(s) 9:45 ~~A.M.~~ P.M. Time Started Off Bottom 3:00 ~~A.M.~~ P.M. Maximum Temperature 126
 Initial Hydrostatic Pressure (A) 2319 P.S.I.
 Initial Flow Period Minutes 30 (B) 43 P.S.I. to (C) 38 P.S.I.
 Initial Closed In Period Minutes 42 (D) 69 P.S.I.
 Final Flow Period Minutes 115 (E) 63 P.S.I. to (F) 110 P.S.I.
 Final Closed In Period Minutes - (G) - P.S.I.
 Final Hydrostatic Pressure (H) 2319 P.S.I.

Picked tool up too high & Hydrostatic trap.

WESTERN TESTING CO., INC.

Pressure Data

Date 4/27/81 Test Ticket No. 10954
 Recorder No. 1566 Capacity 4300 Location 4809 Ft.
 Clock No. - Elevation 1434 Kelly Bushing Well Temperature 126 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2319</u> P.S.I.	<u>9:45A</u> M	
B First Initial Flow Pressure	<u>43</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>38</u> P.S.I.	<u>45</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>69</u> P.S.I.	<u>120</u> Mins.	<u>115</u> Mins.
E Second Initial Flow Pressure	<u>63</u> P.S.I.	<u>120</u> Mins.	<u>-</u> Mins.
F Second Final Flow Pressure	<u>110</u> P.S.I.		
G Final Closed-in Pressure	<u>Picked tool up too high & Hydrostatic trap.</u> P.S.I.		
H Final Hydrostatic Mud	<u>2319</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

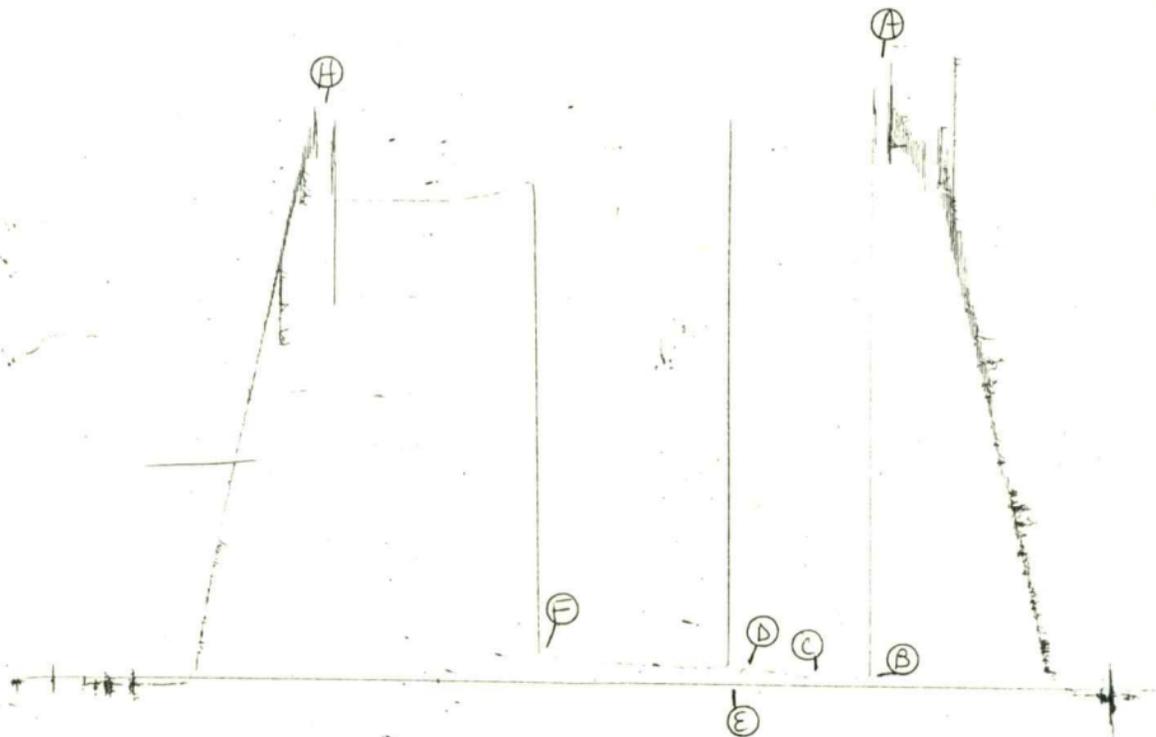
Initial Shut-In
 Breakdown: 14 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 23 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 0 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>43</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>63</u>		<u>Picked</u>
P 2 <u>5</u>	<u>38</u>	<u>3</u>	<u>40</u>	<u>5</u>	<u>43</u>		<u>tool</u>
P 3 <u>10</u>	<u>39</u>	<u>6</u>	<u>42</u>	<u>10</u>	<u>76</u>		<u>up too</u>
P 4 <u>15</u>	<u>40</u>	<u>9</u>	<u>44</u>	<u>15</u>	<u>72</u>		<u>high &</u>
P 5 <u>20</u>	<u>43</u>	<u>12</u>	<u>46</u>	<u>20</u>	<u>72</u>		<u>hydrostatic</u>
P 6 <u>25</u>	<u>40</u>	<u>15</u>	<u>48</u>	<u>25</u>	<u>71</u>		<u>trap!</u>
P 7 <u>30</u>	<u>38</u>	<u>18</u>	<u>50</u>	<u>30</u>	<u>71</u>		
P 8 _____		<u>21</u>	<u>52</u>	<u>35</u>	<u>72</u>		
P 9 _____		<u>24</u>	<u>55</u>	<u>40</u>	<u>72</u>		
P10 _____		<u>27</u>	<u>59</u>	<u>45</u>	<u>73</u>		
P11 _____		<u>30</u>	<u>63</u>	<u>50</u>	<u>76</u>		
P12 _____		<u>33</u>	<u>65</u>	<u>55</u>	<u>78</u>		
P13 _____		<u>36</u>	<u>67</u>	<u>60</u>	<u>80</u>		
P14 _____		<u>39</u>	<u>68</u>	<u>65</u>	<u>83</u>		
P15 _____		<u>42</u>	<u>69</u>	<u>70</u>	<u>86</u>		
P16 _____				<u>75</u>	<u>89</u>		
P17 _____				<u>80</u>	<u>92</u>		
P18 _____				<u>85</u>	<u>95</u>		
P19 _____				<u>90</u>	<u>98</u>		
P20 _____				<u>95</u>	<u>100</u>		
				<u>100</u>	<u>103</u>		
				<u>105</u>	<u>106</u>		
				<u>110</u>	<u>108</u>		
				<u>115</u>	<u>110</u>		

TKT # 10954
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Company Beren Corporation Lease & Well No. McNally #1
 Elevation 1434 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 10955
 Date 4/28/81 Sec. 8 Twp. 35S Range 12W County Barber State Kansas
 Test Approved by Robert C Lewellyn Western Representative Mike Rogers

Formation Test No. 2 Interval Tested from 4845 ft. to 4858 ft. Total Depth 4858 ft.
 Packer Depth 4840 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 4845 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4848 ft. Recorder Number 1566 Cap. 4300
 Bottom Recorder Depth (Outside) 4852 ft. Recorder Number 3086 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Beredco Drilling Rig #2 Drill Collar Length 155 I. D. 2.2 in.
 Mud Type Chemical Viscosity 52 Weight Pipe Length - I. D. - in.
 Weight 9.5 Water Loss 15.2 cc. Drill Pipe Length 4669 I. D. 3.8 in.
 Chlorides 18,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
 Jars: Make - Serial Number - Anchor Length 13 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 in.

Blow: Good strong blow throughout test. No gas to surface.

Recovered 65 ft. of gassy oil cut drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 6:45 ~~P.M.~~ A.M. Time Started Off Bottom 11:30 ~~P.M.~~ A.M. Maximum Temperature -
 Initial Hydrostatic Pressure (A) 2373 P.S.I.
 Initial Flow Period Minutes 30 (B) 73 P.S.I. to (C) 50 P.S.I.
 Initial Closed In Period Minutes 45 (D) 318 P.S.I.
 Final Flow Period Minutes 120 (E) 54 P.S.I. to (F) 41 P.S.I.
 Final Closed In Period Minutes 99 (G) 1006 P.S.I.
 Final Hydrostatic Pressure (H) 2373 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 4/28/81 Test Ticket No. 10955
 Recorder No. 1566 Capacity 4300 Location 4848 Ft.
 Clock No. - Elevation 1434 Kelly Bushing Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2373</u> P.S.I.	Open Tool	<u>6:45A</u> M	
B First Initial Flow Pressure	<u>73</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>50</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>318</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>54</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>99</u> Mins.
F Second Final Flow Pressure	<u>41</u> P.S.I.			
G Final Closed-in Pressure	<u>1006</u> P.S.I.			
H Final Hydrostatic Mud	<u>2373</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>33</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>73</u>	<u>0</u>	<u>50</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>41</u>
P 2 <u>5</u>	<u>57</u>	<u>3</u>	<u>50</u>	<u>5</u>	<u>43</u>	<u>3</u>	<u>93</u>
P 3 <u>10</u>	<u>51</u>	<u>6</u>	<u>54</u>	<u>10</u>	<u>43</u>	<u>6</u>	<u>168</u>
P 4 <u>15</u>	<u>50</u>	<u>9</u>	<u>57</u>	<u>15</u>	<u>43</u>	<u>9</u>	<u>240</u>
P 5 <u>20</u>	<u>50</u>	<u>12</u>	<u>60</u>	<u>20</u>	<u>43</u>	<u>12</u>	<u>309</u>
P 6 <u>25</u>	<u>50</u>	<u>15</u>	<u>66</u>	<u>25</u>	<u>43</u>	<u>15</u>	<u>369</u>
P 7 <u>30</u>	<u>50</u>	<u>18</u>	<u>72</u>	<u>30</u>	<u>43</u>	<u>18</u>	<u>426</u>
P 8		<u>21</u>	<u>72</u>	<u>35</u>	<u>42</u>	<u>21</u>	<u>480</u>
P 9		<u>24</u>	<u>86</u>	<u>40</u>	<u>42</u>	<u>24</u>	<u>536</u>
P10		<u>27</u>	<u>113</u>	<u>45</u>	<u>41</u>	<u>27</u>	<u>590</u>
P11		<u>30</u>	<u>151</u>	<u>50</u>	<u>41</u>	<u>30</u>	<u>631</u>
P12		<u>33</u>	<u>196</u>	<u>55</u>	<u>41</u>	<u>33</u>	<u>667</u>
P13		<u>36</u>	<u>240</u>	<u>60</u>	<u>41</u>	<u>36</u>	<u>702</u>
P14		<u>39</u>	<u>275</u>	<u>65</u>	<u>41</u>	<u>39</u>	<u>730</u>
P15		<u>42</u>	<u>303</u>	<u>70</u>	<u>41</u>	<u>42</u>	<u>755</u>
P16		<u>45</u>	<u>318</u>	<u>75</u>	<u>41</u>	<u>45</u>	<u>783</u>
P17				<u>80</u>	<u>41</u>	<u>48</u>	<u>808</u>
P18				<u>85</u>	<u>41</u>	<u>51</u>	<u>828</u>
P19				<u>90</u>	<u>41</u>	<u>54</u>	<u>850</u>
P20				<u>95</u>	<u>41</u>	<u>57</u>	<u>880</u>
				<u>100</u>	<u>41</u>	<u>60</u>	<u>890</u>

WESTERN TESTING CO., INC.
Pressure Data

Date 4/28/81

Test Ticket No. 10955

Recorder No. 1566 Capacity 4300 Location 4848 Ft.

Clock No. - Elevation 1434 Kelly Bushing Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2373</u> P.S.I.	Open Tool	<u>6:45A</u> M	
B First Initial Flow Pressure	<u>73</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>50</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>318</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>54</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>99</u> Mins.
F Second Final Flow Pressure	<u>41</u> P.S.I.			
G Final Closed-in Pressure	<u>1006</u> P.S.I.			
H Final Hydrostatic Mud	<u>2373</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

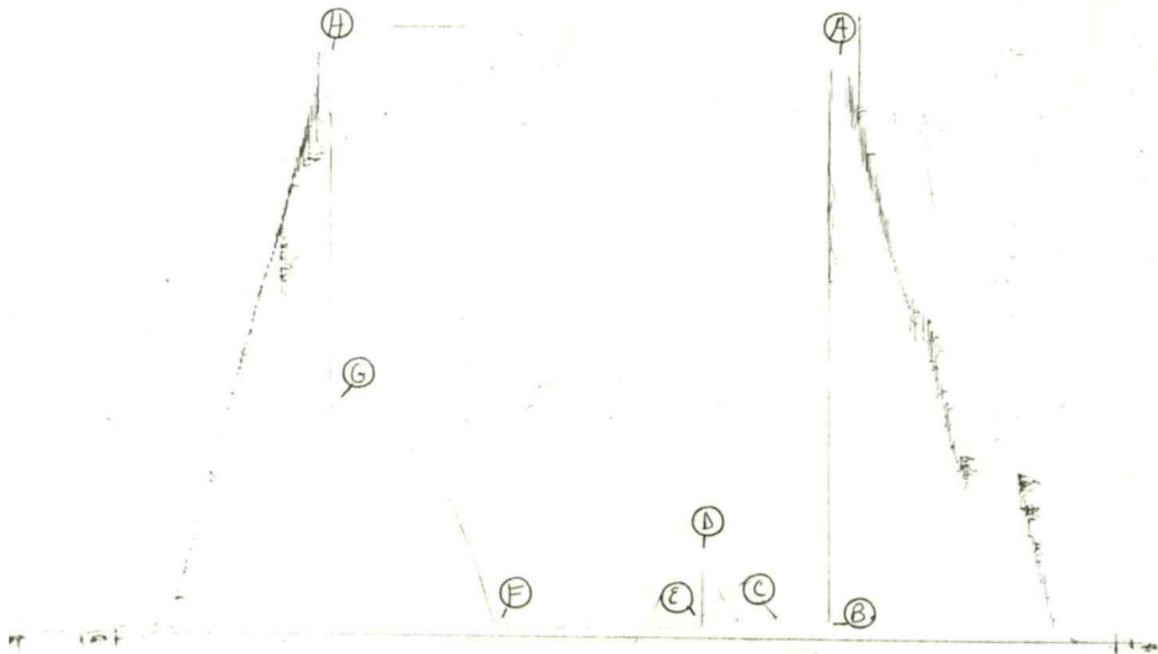
Second Flow Pressure
Breakdown: 24 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 33 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1				105	41	63	907
P 2				110	41	66	926
P 3				115	41	69	941
P 4				120	41	72	957
P 5						75	969
P 6						78	978
P 7						81	983
P 8						84	989
P 9						87	997
P10						90	1001
P11						93	1006
P12						96	1006
P13						99	1006
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 10955

1546



Company Beren Corporation Lease & Well No. McNally #1
 Elevation 1434 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 10956
 Date 4/29/81 Sec. 8 Twp. 35S Range 12W County Barber State Kansas
 Test Approved by Robert C Lewellyn Western Representative Mike Rogers

Formation Test No. 3 Interval Tested from 4858 ft. to 4873 ft. Total Depth 4873 ft.
 Packer Depth 4853 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 4858 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4861 ft. Recorder Number 1566 Cap. 4300
 Bottom Recorder Depth (Outside) 4865 ft. Recorder Number 3086 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Beredco Rig #2 Drill Collar Length 155 I. D. 2.2 in.
 Mud Type Chemical Viscosity 48 Weight Pipe Length - I. D. - in.
 Weight 9.1 Water Loss 18.0 cc. Drill Pipe Length 4682 I. D. 3.8 in.
 Chlorides 19,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
 Jars: Make - Serial Number - Anchor Length 15 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 in.

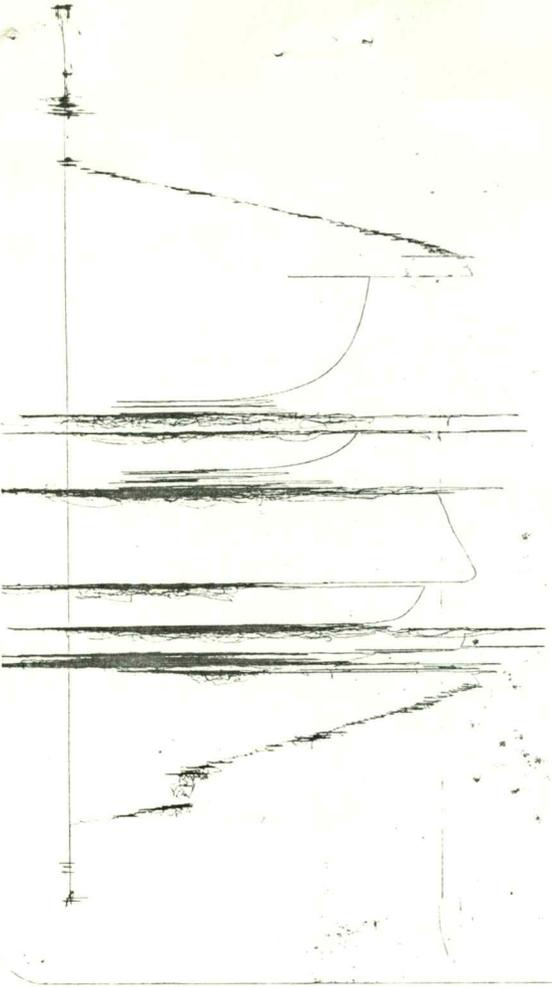
Blow: Fair (4 inch) blow depleating - flushed (no improvement) initial flow period. Weak
blow - flushed 3 times - dead in 40 minutes final flow period.

Recovered 30 ft. of very slightly gas cut drilling with few specks of oil
 Recovered 240 ft. of very heavy drilling mud
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Remarks: slid tool 20 ft. - plugged anchor.

MISRUN

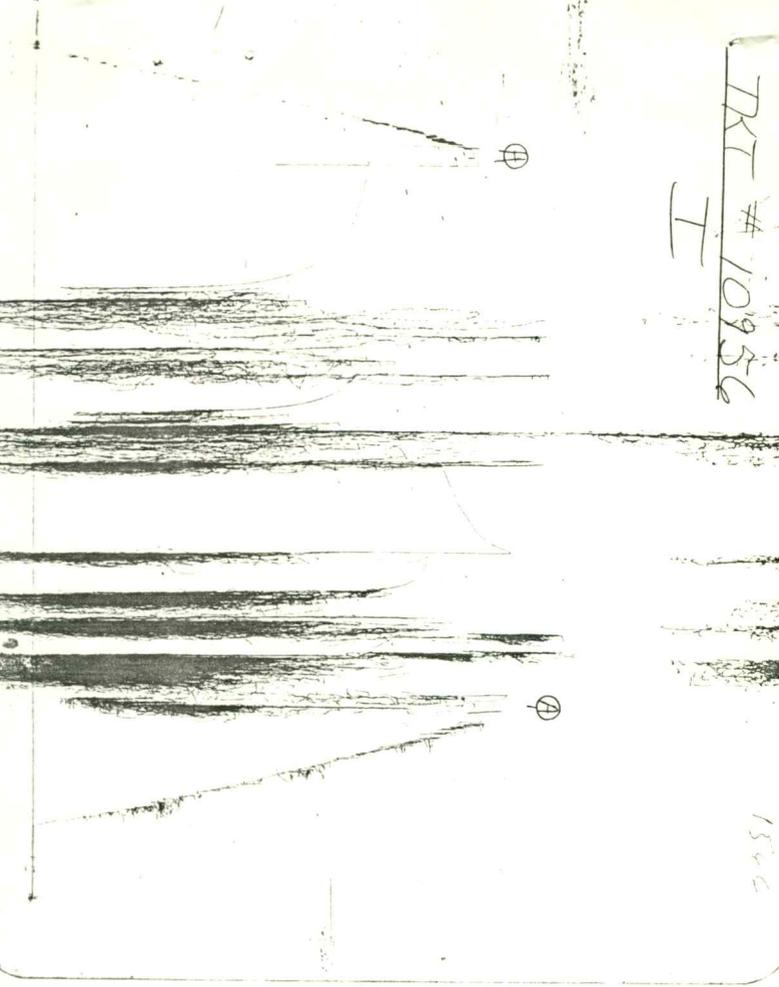
Time Set Packer(s) 1:00 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 5:15 ~~P.M.~~ ^{A.M.} Maximum Temperature 128
 Initial Hydrostatic Pressure (A) 2417 P.S.I.
 Initial Flow Period Minutes - (B) - P.S.I. to (C) - P.S.I.
 Initial Closed In Period Minutes - (D) - P.S.I.
 Final Flow Period Minutes - (E) - P.S.I. to (F) - P.S.I.
 Final Closed In Period Minutes - (G) - P.S.I.
 Final Hydrostatic Pressure (H) 2411 P.S.I.

TKT # 10956
D



TKT # 10956
I

15cc



Company Beren Corporation Lease & Well No. #1 McNally
 Elevation 1434 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 10957
 Date 4/29/81 Sec. 8 Twp. 35S Range 12W County Barber State Kansas
 Test Approved by Robert C Lewellyn Western Representative Mike Rogers

Formation Test No. 4 Interval Tested from 4853 ft. to 4873 ft. Total Depth 4873 ft.
 Packer Depth 4848 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 4853 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4856 ft. Recorder Number 1566 Cap. 4300
 Bottom Recorder Depth (Outside) 4860 ft. Recorder Number 3086 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Beredco Rig #2 Drill Collar Length 155 I. D. 2.2 in.
 Mud Type Chemical Viscosity 52 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 19.6 cc. Drill Pipe Length 4677 I. D. 3.8 in.
 Chlorides 24,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
 Jars: Make - Serial Number - Anchor Length 20 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 in.

Blow: Three inch blow initial flow period. Weak blow - back - flushed tool after 10 minutes into final flow period. Slowly building to 8 inch blow.

Recovered 10 ft. of drilling mud w/few specks of oil
 Recovered 60 ft. of very slightly gas cut & oil spotted drilling mud
 Recovered 60 ft. of oil & gas cut drilling mud
 Recovered ft. of
 Recovered ft. of

Remarks: Tool slid 10 to 12 feet to bottom.

Time Set Packer(s) 9:00 ~~A.M.~~ P.M. Time Started Off Bottom 2:30 ~~A.M.~~ P.M. Maximum Temperature 128
 Initial Hydrostatic Pressure (A) 2406 P.S.I.
 Initial Flow Period Minutes 30 (B) 113 P.S.I. to (C) 88 P.S.I.
 Initial Closed In Period Minutes 60 (D) 241 P.S.I.
 Final Flow Period Minutes 120 (E) 244 P.S.I. to (F) 144 P.S.I.
 Final Closed In Period Minutes 111 (G) 508 P.S.I.
 Final Hydrostatic Pressure (H) 2406 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 4/29/81 Recorder No. 1566 Capacity 4300 Test Ticket No. 10957
 Location 4856 Ft. Elevation 1434 Kelly Bushing Well Temperature 128 °F
 Clock No. -

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2406</u>	P.S.I.	<u>9:00P</u>	<u>M</u>
B First Initial Flow Pressure	<u>113</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>88</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>241</u>	P.S.I.	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>244</u>	P.S.I.	<u>120</u> Mins.	<u>111</u> Mins.
F Second Final Flow Pressure	<u>144</u>	P.S.I.		
G Final Closed-in Pressure	<u>508</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2406</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>20</u> Inc.		Breakdown: <u>24</u> Inc.		Breakdown: <u>37</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>113</u>	<u>0</u>	<u>88</u>	<u>0</u>	<u>244</u>	<u>0</u>	<u>144</u>
P 2 <u>5</u>	<u>92</u>	<u>3</u>	<u>89</u>	<u>5</u>	<u>246</u>	<u>3</u>	<u>146</u>
P 3 <u>10</u>	<u>89</u>	<u>6</u>	<u>92</u>	<u>10</u>	<u>145</u>	<u>6</u>	<u>149</u>
P 4 <u>15</u>	<u>88</u>	<u>9</u>	<u>93</u>	<u>15</u>	<u>111</u>	<u>9</u>	<u>160</u>
P 5 <u>20</u>	<u>88</u>	<u>12</u>	<u>97</u>	<u>20</u>	<u>110</u>	<u>12</u>	<u>168</u>
P 6 <u>25</u>	<u>88</u>	<u>15</u>	<u>104</u>	<u>25</u>	<u>110</u>	<u>15</u>	<u>178</u>
P 7 <u>30</u>	<u>88</u>	<u>18</u>	<u>113</u>	<u>30</u>	<u>110</u>	<u>18</u>	<u>188</u>
P 8		<u>21</u>	<u>120</u>	<u>35</u>	<u>110</u>	<u>21</u>	<u>200</u>
P 9		<u>24</u>	<u>125</u>	<u>40</u>	<u>110</u>	<u>24</u>	<u>209</u>
P10		<u>27</u>	<u>132</u>	<u>45</u>	<u>110</u>	<u>27</u>	<u>216</u>
P11		<u>30</u>	<u>138</u>	<u>50</u>	<u>110</u>	<u>30</u>	<u>225</u>
P12		<u>33</u>	<u>146</u>	<u>55</u>	<u>110</u>	<u>33</u>	<u>233</u>
P13		<u>36</u>	<u>153</u>	<u>60</u>	<u>110</u>	<u>36</u>	<u>245</u>
P14		<u>39</u>	<u>162</u>	<u>65</u>	<u>110</u>	<u>39</u>	<u>255</u>
P15		<u>42</u>	<u>173</u>	<u>70</u>	<u>110</u>	<u>42</u>	<u>268</u>
P16		<u>45</u>	<u>184</u>	<u>75</u>	<u>110</u>	<u>45</u>	<u>278</u>
P17		<u>48</u>	<u>192</u>	<u>80</u>	<u>111</u>	<u>48</u>	<u>287</u>
P18		<u>51</u>	<u>202</u>	<u>85</u>	<u>111</u>	<u>51</u>	<u>296</u>
P19		<u>54</u>	<u>214</u>	<u>90</u>	<u>111</u>	<u>54</u>	<u>304</u>
P20		<u>57</u>	<u>227</u>	<u>95</u>	<u>113</u>	<u>57</u>	<u>316</u>
		<u>60</u>	<u>241</u>	<u>100</u>	<u>118</u>	<u>60</u>	<u>326</u>

Flushed Tool

WESTERN TESTING CO., INC.

Pressure Data

Date 4/29/81

Test Ticket No. 10957

Recorder No. 1566

Capacity 4300

Location 4856 Ft.

Clock No. - Elevation

1434 Kelly Bushing

Well Temperature 128 °F

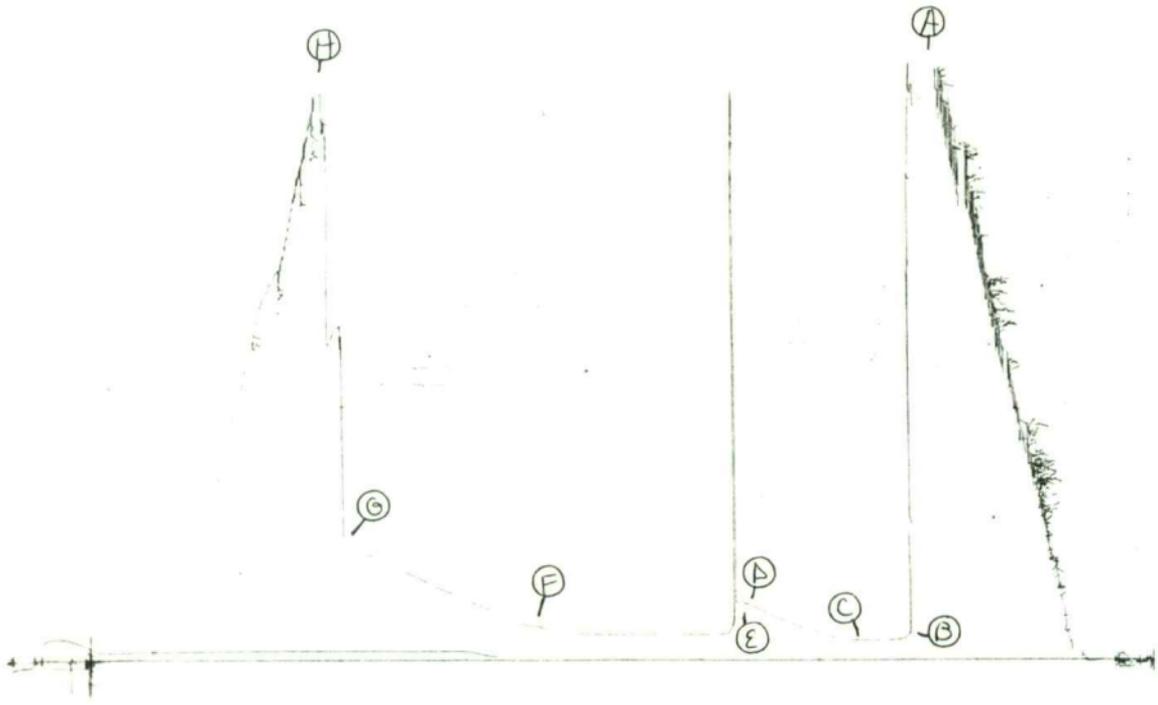
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2406</u> P.S.I.	Open Tool	<u>9:00P</u>	<u>M</u>
B First Initial Flow Pressure	<u>113</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>88</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>241</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>244</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>111</u> Mins.
F Second Final Flow Pressure	<u>144</u> P.S.I.			
G Final Closed-in Pressure	<u>508</u> P.S.I.			
H Final Hydrostatic Mud	<u>2406</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In	
	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>24</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>37</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1				63	337
P 2				66	349
P 3				69	361
P 4				72	369
P 5				75	381
P 6				78	392
P 7				81	402
P 8				84	412
P 9				87	424
P10				90	434
P11				93	446
P12				96	456
P13				99	469
P14				102	480
P15				105	492
P16				108	503
P17				111	508
P18					
P19					
P20					

TKT # 10957

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Company Beren Corporation Lease & Well No. McNally #1
 Elevation 1434 Kelly Bush. Mississippi Formation Effective Pay - Ft. Ticket No. 10958
 Date 4-30-81 Sec. 8 Twp. 35S Range 12W County Barber State Kansas
 Test Approved by Robert C. Lewellyn Western Representative Mike Rogers

Formation Test No. 5 Interval Tested from 4873 ft. to 4888 ft. Total Depth 4888 ft.
 Packer Depth 4868 ft. Size 6 5/8 Packer Depth - ft. Size - in.
 Packer Depth 4873 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4876 ft. Recorder Number 1566 Cap. 4300
 Bottom Recorder Depth (Outside) 4880 ft. Recorder Number 3086 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Beredco #2 Drill Collar Length 155 I. D. 2.2 in.
 Mud Type Chemical Viscosity 52 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 19.6 cc. Drill Pipe Length 4697 I. D. 3.8 in.
 Chlorides 24,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
 Jars: Make - Serial Number - Anchor Length 15 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out - 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 in.

Blow: Fair blow building to strong blow in 10 minutes into initial flow period.
Strong blow throughout final flow period. Gas to surface 1 hour and 40

Recovered 120 ft. of gassy oil cut drilling mud (25% oil, 45% mud, 30% water)
 Recovered 120 ft. of heavy gas and oil cut drilling mud (60% oil, 20% mud, 20% water)
 Recovered 60 ft. of heavy gas and oil cut muddy salt water (20% oil, 15% mud, 65% water)
 Recovered - ft. of Chlorides 58,000 PPM
 Recovered - ft. of -

Remarks: Slid tool 10' to bottom. Gas to surface 1 hour and 40 minutes into final shut-in period.

Time Set	Packer(s)	<u>5:00</u>	<u>-A.M.-</u> P.M.	Time Started Off Bottom	<u>10:30</u>	<u>-A.M.-</u> P.M.	Maximum Temperature	<u>130</u>
Initial Hydrostatic Pressure				(A)	<u>2461</u>			P.S.I.
Initial Flow Period				Minutes	<u>30</u>	(B)	<u>156</u>	P.S.I. to (C) <u>108</u> P.S.I.
Initial Closed In Period				Minutes	<u>63</u>	(D)	<u>1707</u>	P.S.I.
Final Flow Period				Minutes	<u>115</u>	(E)	<u>121</u>	P.S.I. to (F) <u>130</u> P.S.I.
Final Closed In Period				Minutes	<u>123</u>	(G)	<u>1518</u>	P.S.I.
Final Hydrostatic Pressure				(H)	<u>2428</u>			P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 4/30/81 Test Ticket No. 10958
 Recorder No. 1566 Capacity 4300 Location 4876 Ft.
 Clock No. - Elevation 1434 Kelly Bushing Well Temperature 130 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2461 P.S.I.	5:00P	M
B First Initial Flow Pressure	156 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	108 P.S.I.	60 Mins.	63 Mins.
D Initial Closed-in Pressure	1707 P.S.I.	120 Mins.	115 Mins.
E Second Initial Flow Pressure	121 P.S.I.	120 Mins.	123 Mins.
F Second Final Flow Pressure	130 P.S.I.		
G Final Closed-in Pressure	1518 P.S.I.		
H Final Hydrostatic Mud	2428 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>21</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>40</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	0	156	0	108	0	130	130
P 2	5	125	3	145	5	108	184
P 3	10	114	6	240	10	108	294
P 4	15	110	9	418	15	108	400
P 5	20	110	12	609	20	109	496
P 6	25	109	15	789	25	110	573
P 7	30	108	18	936	30	111	637
P 8			21	1058	35	112	733
P 9			24	1154	40	113	819
P10			27	1255	45	114	886
P11			30	1324	50	116	948
P12			33	1395	55	118	1000
P13			36	1448	60	119	1009
P14			39	1502	65	120	1019
P15			42	1550	70	121	1098
P16			45	1591	75	122	1169
P17			48	1625	80	123	1221
P18			51	1647	85	124	1259
P19			54	1666	90	125	1291
P20			57	1681	95	126	1317
WTC - 4			60	1697	100	126	1341
			63	1707			

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WESTERN TESTING CO., INC.

Pressure Data

Date 4/30/81 Recorder No. 1566 Capacity 4300 Test Ticket No. 10958
 Location 4876 Ft. Elevation 1434 Kelly Bushing Well Temperature 130 °F
 Clock No. -

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2461</u> P.S.I.	Open Tool	<u>5:00P</u>	<u>M</u>
B First Initial Flow Pressure	<u>156</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>108</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
D Initial Closed-in Pressure	<u>1707</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>115</u> Mins.
E Second Initial Flow Pressure	<u>121</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>123</u> Mins.
F Second Final Flow Pressure	<u>130</u> P.S.I.			
G Final Closed-in Pressure	<u>1518</u> P.S.I.			
H Final Hydrostatic Mud	<u>2428</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>6</u> mins. and a final inc. of <u>0</u> Min.		of <u>21</u> mins. and a final inc. of <u>0</u> Min.		of <u>23</u> mins. and a final inc. of <u>0</u> Min.		of <u>40</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	127	63	1362	
P 2				110	129	66	1382	
P 3				115	130	69	1401	
P 4						72	1414	
P 5						75	1420	
P 6						78	1425	
P 7						81	1435	
P 8						84	1442	
P 9						87	1446	
P10						90	1455	
P11						93	1463	
P12						96	1474	
P13						99	1483	
P14						102	1491	
P15						105	1496	
P16						108	1502	
P17						111	1506	
P18						114	1511	
P19						117	1514	
P20						120	1517	
						123	1518	

J/A # 10958

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