

Company McCoy Petroleum Corporation Lease & Well No. Leeper E-1
 Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 7639
 Date 11-4-80 Sec. 15 Twp. 31S Range 8W County Harper State Kansas
 Test Approved by Robert E. McCann Western Representative Stuart Stover
 Formation Test No. 1 Interval Tested from 4417 ft. to 4428 ft. Total Depth 4428 ft.
 Packer Depth 4412 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4417 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4422 ft. Recorder Number 2607 Cap. 4150
 Bottom Recorder Depth (Outside) 4425 ft. Recorder Number 3351 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Sweetman #1 Drill Collar Length 280 I. D. 2 1/4 in.
 Mud Type - Viscosity 47 Weight Pipe Length - I. D. - in.
 Weight 9.0 Water Loss 6.6 cc. Drill Pipe Length 4116 I. D. 4.0 in.
 Chlorides NC P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.
 Jars: Make - Serial Number - Anchor Length 11 ft. Size 4 1/2 in.
 Did Well Flow? - 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: Good blow off bottom of bucket throughout test

Recovered 120 ft. of gas in pipe
 Recovered 10 ft. of drilling mud
 Recovered 60 ft. of oil & gas cut mud
 Recovered 60 ft. of medium to heavy oil & gas cut mud
 Recovered - ft. of 40% oil, 10% water, 50% mud

Remarks:

Time Set Packer(s) 4:15 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 7:30 ~~P.M.~~ ^{A.M.} Maximum Temperature -
 Initial Hydrostatic Pressure (A) 2511 P.S.I.
 Initial Flow Period Minutes 30 (B) 74 P.S.I. to (C) 74 P.S.I.
 Initial Closed In Period Minutes 48 (D) 1127 P.S.I.
 Final Flow Period Minutes 60 (E) 91 P.S.I. to (F) 95 P.S.I.
 Final Closed In Period Minutes 72 (G) 1163 P.S.I.
 Final Hydrostatic Pressure (H) 2300 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 11-4-80 Test Ticket No. 7639
 Recorder No. 2607 Capacity 4150 Location 4422 Ft.
 Clock No. - Elevation - Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2511</u>	P.S.I.	<u>4:15A</u>	<u>M</u>
B First Initial Flow Pressure	<u>74</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
C First Final Flow Pressure	<u>74</u>	P.S.I.	<u>45</u>	<u>48</u> Mins.
D Initial Closed-in Pressure	<u>1127</u>	P.S.I.	<u>60</u>	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>91</u>	P.S.I.	<u>60</u>	<u>72</u> Mins.
F Second Final Flow Pressure	<u>95</u>	P.S.I.		
G Final Closed-in Pressure	<u>1163</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2300</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>16</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>23</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>74</u>	<u>0</u>	<u>74</u>	<u>0</u>	<u>91</u>	<u>0</u>	<u>95</u>
P 2 <u>5</u>	<u>74</u>	<u>3</u>	<u>150</u>	<u>5</u>	<u>91</u>	<u>3</u>	<u>152</u>
P 3 <u>10</u>	<u>74</u>	<u>6</u>	<u>256</u>	<u>10</u>	<u>91</u>	<u>6</u>	<u>233</u>
P 4 <u>15</u>	<u>74</u>	<u>9</u>	<u>343</u>	<u>15</u>	<u>91</u>	<u>9</u>	<u>309</u>
P 5 <u>20</u>	<u>74</u>	<u>12</u>	<u>443</u>	<u>20</u>	<u>91</u>	<u>12</u>	<u>381</u>
P 6 <u>25</u>	<u>74</u>	<u>15</u>	<u>519</u>	<u>25</u>	<u>91</u>	<u>15</u>	<u>449</u>
P 7 <u>30</u>	<u>74</u>	<u>18</u>	<u>589</u>	<u>30</u>	<u>91</u>	<u>18</u>	<u>512</u>
P 8 _____		<u>21</u>	<u>654</u>	<u>35</u>	<u>91</u>	<u>21</u>	<u>579</u>
P 9 _____		<u>24</u>	<u>725</u>	<u>40</u>	<u>91</u>	<u>24</u>	<u>639</u>
P10 _____		<u>27</u>	<u>795</u>	<u>45</u>	<u>91</u>	<u>27</u>	<u>691</u>
P11 _____		<u>30</u>	<u>852</u>	<u>50</u>	<u>93</u>	<u>30</u>	<u>743</u>
P12 _____		<u>33</u>	<u>910</u>	<u>55</u>	<u>94</u>	<u>33</u>	<u>787</u>
P13 _____		<u>36</u>	<u>962</u>	<u>60</u>	<u>95</u>	<u>36</u>	<u>835</u>
P14 _____		<u>39</u>	<u>1008</u>			<u>39</u>	<u>877</u>
P15 _____		<u>42</u>	<u>1050</u>			<u>42</u>	<u>921</u>
P16 _____		<u>45</u>	<u>1084</u>			<u>45</u>	<u>948</u>
P17 _____		<u>48</u>	<u>1127</u>			<u>48</u>	<u>977</u>
P18 _____						<u>51</u>	<u>1008</u>
P19 _____						<u>54</u>	<u>1033</u>
P20 _____						<u>57</u>	<u>1059</u>
						<u>60</u>	<u>1077</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 11-4-80 Recorder No. 2607 Capacity 4150 Test Ticket No. 7639
 Location 4422 Ft. Clock No. - Elevation - Well Temperature - °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2511</u>	P.S.I.	<u>4:15A</u>	<u>M</u>
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C First Final Flow Pressure	<u>74</u>	P.S.I.	<u>45</u>	<u>48</u> Mins.
D Initial Closed-in Pressure	<u>1127</u>	P.S.I.	<u>60</u>	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>91</u>	P.S.I.	<u>60</u>	<u>72</u> Mins.
F Second Final Flow Pressure	<u>95</u>	P.S.I.		
G Final Closed-in Pressure	<u>1163</u>	P.S.I.		
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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>63</u>	<u>1100</u>
P 2						<u>66</u>	<u>1121</u>
P 3						<u>69</u>	<u>1140</u>
P 4						<u>72</u>	<u>1163</u>
P 5							
P 6							
P 7							
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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