

Company Berry Petroleum Lease & Well No. Woolf #1-14
 Elevation 1338 Kelly Bushing Simpson Sand Effective Pay - Ft. Ticket No. 6770
 Date 4/18/81 Sec. 14 Twp. 29S Range 4W County Sedgwick State Kansas
 Test Approved by Jim Archer - Consultant Western Representative Allen Edgington
 Formation Test No. 1 Interval Tested from 4273 ft. to 4302 ft. Total Depth 4302 ft.
 Packer Depth 4368 ft. Size 6 3/4 Packer Depth - ft. Size - in.
 Packer Depth 4373 ft. Size 6 3/4 Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4262 Recorder Number 3354 Cap. 4200
 Bottom Recorder Depth (Outside) 4298 Recorder Number 5666 Cap. 3950
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor DNB Drilling Rig #3 Drill Collar Length - I. D. - in.
 Mud Type chemical - drispac Weight Pipe Length 30 I. D. 2 1/4 in.
 Weight 11.4 Water Loss 11.4 cc. Drill Pipe Length 4347 D. 3.8 in.
 Chlorides 9,000 P.P.M. Test Tool Length 31 ft. Tool Size 4 1/2 in.
 Jars: Make WTC Serial Number 407 Anchor Length 29 ft. Size 4 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 FH

Blow: Weak thirty minutes. Few intermitten bubbles on final flow .

Recovered 20 ft. of drilling mud with rainbow

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:00 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 1:30 ~~A.M.~~ ^{P.M.} Maximum Temperature 130°
 Initial Hydrostatic Pressure 2061 P.S.I. (A)
 Initial Flow Period 25 Minutes (B) 18 P.S.I. to (C) P.S.I.
 Initial Closed In Period 1342 Minutes (D) P.S.I.
 Final Flow Period 63 Minutes (E) 17 P.S.I. to (F) P.S.I.
 Final Closed In Period 1319 Minutes (G) P.S.I.
 Final Hydrostatic Pressure 2015 (H) P.S.I.

WESTERN-TESTING CO., INC.

Pressure Data

Date 4/18/81 Recorder No. 3354 Capacity 4200 Test Ticket No. 6770
 Location 4262 Ft. Clock No. - Elevation 1338 Kelly Bushing Well Temperature 130 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2061	P.S.I.	9:00A	M
B First Initial Flow Pressure	25	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	18	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	1342	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	63	P.S.I.	120	Mins. 117 Mins.
F Second Final Flow Pressure	17	P.S.I.		
G Final Closed-in Pressure	1319	P.S.I.		
H Final Hydrostatic Mud	2015	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>12</u> Inc.		Breakdown: <u>39</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>25</u>	<u>0</u>	<u>18</u>	<u>0</u>	<u>63</u>	<u>0</u>	<u>17</u>
P 2 <u>5</u>	<u>25</u>	<u>3</u>	<u>23</u>	<u>5</u>	<u>38</u>	<u>3</u>	<u>27</u>
P 3 <u>10</u>	<u>23</u>	<u>6</u>	<u>110</u>	<u>10</u>	<u>32</u>	<u>6</u>	<u>61</u>
P 4 <u>15</u>	<u>20</u>	<u>9</u>	<u>306</u>	<u>15</u>	<u>27</u>	<u>9</u>	<u>139</u>
P 5 <u>20</u>	<u>19</u>	<u>12</u>	<u>479</u>	<u>20</u>	<u>23</u>	<u>12</u>	<u>247</u>
P 6 <u>25</u>	<u>18</u>	<u>15</u>	<u>515</u>	<u>25</u>	<u>21</u>	<u>15</u>	<u>348</u>
P 7 <u>30</u>	<u>18</u>	<u>18</u>	<u>732</u>	<u>30</u>	<u>20</u>	<u>18</u>	<u>449</u>
P 8		<u>21</u>	<u>827</u>	<u>35</u>	<u>20</u>	<u>21</u>	<u>557</u>
P 9		<u>24</u>	<u>907</u>	<u>40</u>	<u>19</u>	<u>24</u>	<u>635</u>
P10		<u>27</u>	<u>975</u>	<u>45</u>	<u>19</u>	<u>27</u>	<u>711</u>
P11		<u>30</u>	<u>1036</u>	<u>50</u>	<u>18</u>	<u>30</u>	<u>772</u>
P12		<u>33</u>	<u>1082</u>	<u>55</u>	<u>18</u>	<u>33</u>	<u>823</u>
P13		<u>36</u>	<u>1131</u>	<u>60</u>	<u>17</u>	<u>36</u>	<u>876</u>
P14		<u>39</u>	<u>1167</u>			<u>39</u>	<u>920</u>
P15		<u>42</u>	<u>1203</u>			<u>42</u>	<u>954</u>
P16		<u>45</u>	<u>1232</u>			<u>45</u>	<u>989</u>
P17		<u>48</u>	<u>1257</u>			<u>48</u>	<u>1015</u>
P18		<u>51</u>	<u>1281</u>			<u>51</u>	<u>1042</u>
P19		<u>54</u>	<u>1302</u>			<u>54</u>	<u>1065</u>
P20		<u>57</u>	<u>1321</u>			<u>57</u>	<u>1091</u>
WTC - 4		<u>60</u>	<u>1342</u>			<u>60</u>	<u>1112</u>

continued next

WESTERN TESTING CO., INC.

Pressure Data

Date 4/18/81 Recorder No. 3354 Capacity 4200 Test Ticket No. 6770 Location 4262 Ft.
Clock No. - Elevation 1338 Kelly Bushing Well Temperature 130 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2061</u> P.S.I.	Open Tool	<u>9:00A</u> M	
B First Initial Flow Pressure	<u>25</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>18</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1342</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>63</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>117</u> Mins.
F Second Final Flow Pressure	<u>17</u> P.S.I.			
G Final Closed-in Pressure	<u>1319</u> P.S.I.			
H Final Hydrostatic Mud	<u>2015</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>12</u> Inc.		Breakdown: <u>39</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						63	1133
P 2						66	1150
P 3						69	1167
P 4						72	1179
P 5						75	1194
P 6						78	1209
P 7						81	1222
P 8						84	1230
P 9						87	1243
P10						90	1253
P11						93	1262
P12						96	1268
P13						99	1278
P14						102	1285
P15						105	1291
P16						108	1297
P17						111	1306
P18						114	1312
P19						117	1319
P20							

JK # 6770
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