

Company Rains & Williamson Oil Company, Inc. Lease & Well No. #1 Jacobson
 Elevation - Formation - Effective Pay - Ft. Ticket No. 15452
 Date 1/18/82 Sec. 19 Twp. 19S Range 5W County McPherson State Kansas
 Test Approved by Mike Engelbrecht Western Representative Ray Schwager

Formation Test No. 1 Interval Tested from 3364 ft. to 3409 ft. Total Depth 3409 ft.
 Packer Depth 3359 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 3364 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3365 ft. Recorder Number 13269 Cap. 4375
 Bottom Recorder Depth (Outside) 3368 ft. Recorder Number 13270 Cap. 4375
 Below Straddle Recorder Depth -- ft. Recorder Number - Cap. -

Drilling Contractor Silverado Drilling Rig #8 Drill Collar Length 520 I. D. 2.2 in.
 Mud Type Starch Viscosity 40 Weight Pipe Length - I. D. - in.
 Weight 9.7 Water Loss 25.2 cc. Drill Pipe Length 2822 I. D. 3.8 in.
 Chlorides 93,000 P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.
 Jars: Make - Serial Number - Anchor Length 45 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 very weak blow - died in 10 minutes. Final flow period - no blow - flushed tool - no help.

Recovered 65 ft. of muddy water
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: slid tool approx 8 ft. to bottom.

Time Set Packer(s) 5:45 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 7:45 ~~P.M.~~ ^{A.M.} Maximum Temperature 104
 Initial Hydrostatic Pressure (A) 1732 P.S.I.
 Initial Flow Period Minutes 30 (B) 63 P.S.I. to (C) 63 P.S.I.
 Initial Closed In Period Minutes 39 (D) 478 P.S.I.
 Final Flow Period Minutes 30 (E) 69 P.S.I. to (F) 71 P.S.I.
 Final Closed In Period Minutes 33 (G) 436 P.S.I.
 Final Hydrostatic Pressure (H) 1732 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 1/18/82 Test Ticket No. 15452
 Recorder No. 13269 Capacity 4375 Location 3365 Ft.
 Clock No. - Elevation - Well Temperature 104 °F

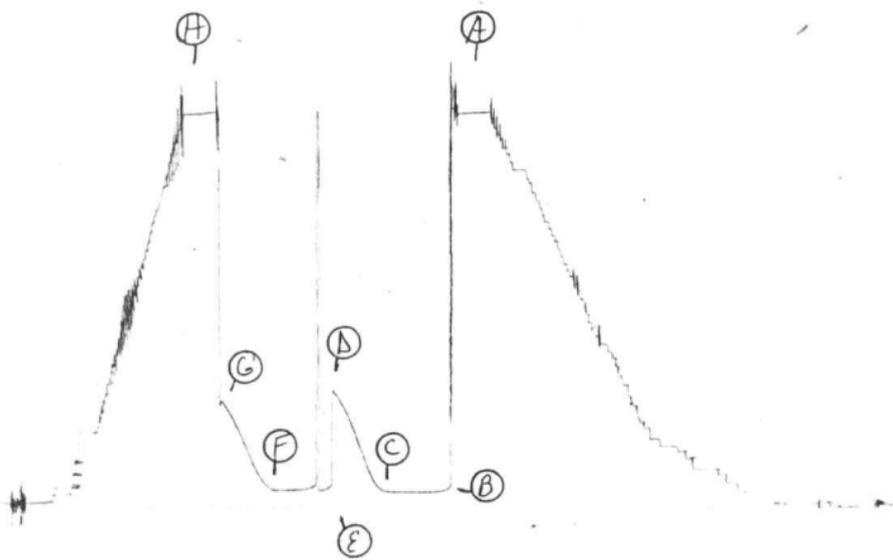
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1732</u> P.S.I.	Open Tool	<u>5:45A</u> M	
B First Initial Flow Pressure	<u>63</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>63</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>39</u> Mins.
D Initial Closed-in Pressure	<u>478</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>69</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>71</u> P.S.I.			
G Final Closed-in Pressure	<u>436</u> P.S.I.			
H Final Hydrostatic Mud	<u>1732</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>13</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>11</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>63</u>	<u>0</u>	<u>63</u>	<u>0</u>	<u>69</u>	<u>0</u>	<u>71</u>
P 2 <u>5</u>	<u>63</u>	<u>3</u>	<u>63</u>	<u>5</u>	<u>69</u>	<u>3</u>	<u>71</u>
P 3 <u>10</u>	<u>63</u>	<u>6</u>	<u>65</u>	<u>10</u>	<u>Flushed Tool</u>	<u>6</u>	<u>81</u>
P 4 <u>15</u>	<u>63</u>	<u>9</u>	<u>68</u>	<u>15</u>	<u>71</u>	<u>9</u>	<u>105</u>
P 5 <u>20</u>	<u>63</u>	<u>12</u>	<u>85</u>	<u>20</u>	<u>71</u>	<u>12</u>	<u>140</u>
P 6 <u>25</u>	<u>63</u>	<u>15</u>	<u>120</u>	<u>25</u>	<u>71</u>	<u>15</u>	<u>183</u>
P 7 <u>30</u>	<u>63</u>	<u>18</u>	<u>169</u>	<u>30</u>	<u>71</u>	<u>18</u>	<u>234</u>
P 8		<u>21</u>	<u>230</u>			<u>21</u>	<u>283</u>
P 9		<u>24</u>	<u>284</u>			<u>24</u>	<u>330</u>
P10		<u>27</u>	<u>341</u>			<u>27</u>	<u>368</u>
P11		<u>30</u>	<u>391</u>			<u>30</u>	<u>402</u>
P12		<u>33</u>	<u>430</u>			<u>33</u>	<u>436</u>
P13		<u>36</u>	<u>463</u>				
P14		<u>39</u>	<u>478</u>				
P15							
P16							
P17							
P18							
P19							
P20							

TRT # 15452

I

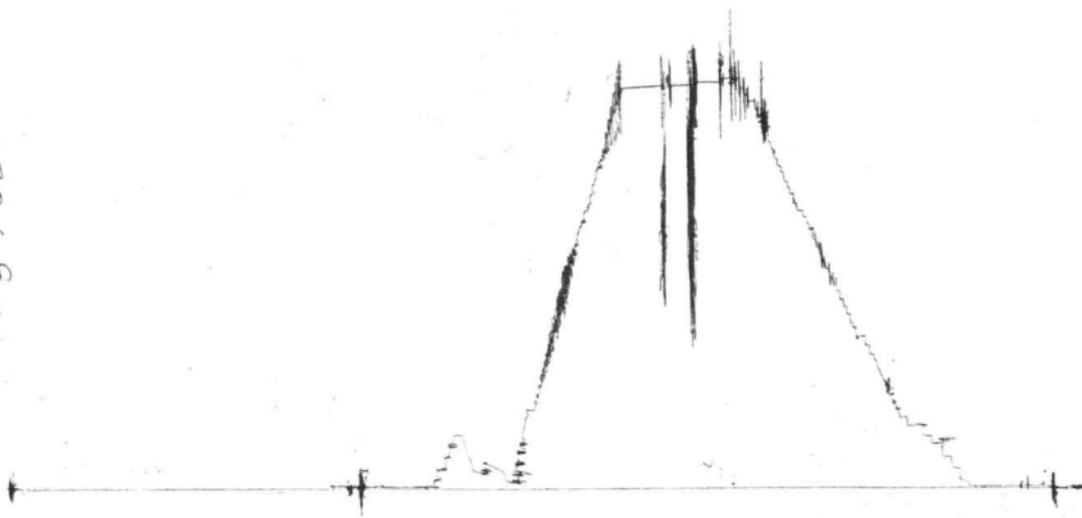


13269

TKT # 15453

I

1.3269



TRT # 1.5453

○

13270

