

Company K.R.M. Petroleum Corporation Lease & Well No. Pfaff #1-2  
 Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 12652  
 Date 9/15/81 Sec. 2 Twp. 19S Range 24W County Ness State Kansas  
 Test Approved by J Copeland Landes Western Representative Jim Schulz  
 Formation Test No. 1 Interval Tested from 4328 ft. to 4340 ft. Total Depth 4340 ft.  
 Packer Depth 4323 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.  
 Packer Depth 4328 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 4332 ft. Recorder Number 13269 Cap. 4375  
 Bottom Recorder Depth (Outside) 4335 ft. Recorder Number 13270 Cap. 4375  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -  
 Drilling Contractor Abercrombie Drilling Rig #12 Drill Collar Length 274 I. D. 2.2 in.  
 Mud Type Premix Drispar Viscosity 43 Weight Pipe Length 456 I. D. 3.2 in.  
 Weight 9.1 Water Loss 12.0 cc. Drill Pipe Length 3567 I. 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 410 Anchor Length 12 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 5 1/2 in.

Blow: Initial flow period very good blow off the bottom of bucket throughout. Final flow period fair blow building throughout to a good blow.

Recovered 250 ft. of clean oil  
 Recovered 60 ft. of muddy oil  
 Recovered 240 ft. of oil cut muddy gassy water Chlorides 17,000 PPM  
 Recovered          ft. of           
 Recovered          ft. of         

Remarks:         

Time Set Packer(s) 10:13 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 3:13 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 110  
 Initial Hydrostatic Pressure ..... (A) 2081 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 99 P.S.I. to (C) 180 P.S.I.  
 Initial Closed In Period ..... Minutes 63 (D) 702 P.S.I.  
 Final Flow Period ..... Minutes 60 (E) 202 P.S.I. to (F) 257 P.S.I.  
 Final Closed In Period ..... Minutes 126 (G) 671 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 2081 P.S.I.

**WESTERN TESTING CO., INC.**

**Pressure Data**

Date 9/15/81 Recorder No. 13269 Capacity 4375 Test Ticket No. 12652 Location 4332 Ft. 110  
 Clock No. - Elevation - Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2081</u> P.S.I.	Open Tool	<u>10:13A</u>	
B First Initial Flow Pressure	<u>99</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>180</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
D Initial Closed-in Pressure	<u>702</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>202</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>126</u> Mins.
F Second Final Flow Pressure	<u>257</u> P.S.I.			
G Final Closed-in Pressure	<u>671</u> P.S.I.			
H Final Hydrostatic Mud	<u>2081</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: 21 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

**Second Flow Pressure**  
 Breakdown: 12 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Final Shut-In**  
 Breakdown: 42 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>99</u>	<u>0</u>	<u>180</u>	<u>0</u>	<u>202</u>	<u>0</u>	<u>257</u>
P 2 <u>5</u>	<u>112</u>	<u>3</u>	<u>306</u>	<u>5</u>	<u>207</u>	<u>3</u>	<u>299</u>
P 3 <u>10</u>	<u>143</u>	<u>6</u>	<u>350</u>	<u>10</u>	<u>218</u>	<u>6</u>	<u>321</u>
P 4 <u>15</u>	<u>158</u>	<u>9</u>	<u>383</u>	<u>15</u>	<u>226</u>	<u>9</u>	<u>341</u>
P 5 <u>20</u>	<u>170</u>	<u>12</u>	<u>416</u>	<u>20</u>	<u>231</u>	<u>12</u>	<u>356</u>
P 6 <u>25</u>	<u>176</u>	<u>15</u>	<u>440</u>	<u>25</u>	<u>235</u>	<u>15</u>	<u>370</u>
P 7 <u>30</u>	<u>180</u>	<u>18</u>	<u>464</u>	<u>30</u>	<u>240</u>	<u>18</u>	<u>385</u>
P 8 _____		<u>21</u>	<u>488</u>	<u>35</u>	<u>244</u>	<u>21</u>	<u>400</u>
P 9 _____		<u>24</u>	<u>510</u>	<u>40</u>	<u>246</u>	<u>24</u>	<u>414</u>
P10 _____		<u>27</u>	<u>532</u>	<u>45</u>	<u>251</u>	<u>27</u>	<u>425</u>
P11 _____		<u>30</u>	<u>552</u>	<u>50</u>	<u>253</u>	<u>30</u>	<u>438</u>
P12 _____		<u>33</u>	<u>567</u>	<u>55</u>	<u>254</u>	<u>33</u>	<u>449</u>
P13 _____		<u>36</u>	<u>584</u>	<u>60</u>	<u>257</u>	<u>36</u>	<u>462</u>
P14 _____		<u>39</u>	<u>602</u>			<u>39</u>	<u>471</u>
P15 _____		<u>42</u>	<u>619</u>			<u>42</u>	<u>482</u>
P16 _____		<u>45</u>	<u>632</u>			<u>45</u>	<u>493</u>
P17 _____		<u>48</u>	<u>645</u>			<u>48</u>	<u>503</u>
P18 _____		<u>51</u>	<u>658</u>			<u>51</u>	<u>513</u>
P19 _____		<u>54</u>	<u>671</u>			<u>54</u>	<u>521</u>
P20 _____		<u>57</u>	<u>682</u>			<u>57</u>	<u>529</u>
WTC - 4		<u>60</u>	<u>695</u>			<u>60</u>	<u>539</u>
		<u>63</u>	<u>702</u>				

# WESTERN TESTING CO., INC.

## Pressure Data

Date 9/15/81 Test Ticket No. 12652  
 Recorder No. 13269 Capacity 4375 Location 4332 Ft. 110  
 Clock No. - Elevation - Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2081 P.S.I.	Open Tool	10:13A	M
B First Initial Flow Pressure	99 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	180 P.S.I.	Initial Closed-in Pressure	60 Mins.	63 Mins.
D Initial Closed-in Pressure	702 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	202 P.S.I.	Final Closed-in Pressure	120 Mins.	126 Mins.
F Second Final Flow Pressure	257 P.S.I.			
G Final Closed-in Pressure	671 P.S.I.			
H Final Hydrostatic Mud	2081 P.S.I.			

### PRESSURE BREAKDOWN

<b>First Flow Pressure</b> Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Initial Shut-In</b> Breakdown: <u>21</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	<b>Second Flow Pressure</b> Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Final Shut-In</b> Breakdown: <u>42</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	545
P 2						66	552
P 3						69	560
P 4						72	569
P 5						75	576
P 6						78	582
P 7						81	589
P 8						84	595
P 9						87	602
P10						90	609
P11						93	615
P12						96	620
P13						99	626
P14						102	630
P15						105	636
P16						108	642
P17						111	647
P18						114	653
P19						117	658
P20						120	663
						123	667
						126	671

TKT # 12652  
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