

Company Fell & Wolfe Oil Company Lease & Well No. Link #1  
 Elevation 1718 Kelly Bushing Arbuckle Formation Effective Pay - Ft. Ticket No. 12427  
 Date 10/7/81 Sec. 21 Twp. 19S Range 9W County Rice State Kansas  
 Test Approved by Wayne Lebsack Western Representative Clyde Scheffe

Formation Test No. 1 Interval Tested from 3214 ft. to 3230 ft. Total Depth 3230 ft.  
 Packer Depth 3209 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 3214 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3222 ft. Recorder Number 1561 Cap. 3200  
 Bottom Recorder Depth (Outside) 3225 ft. Recorder Number 1134 Cap. 4500  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor H-30 Rig #7 Drill Collar Length 116 I. D. 2.25 in.  
 Mud Type Starch Viscosity 43 Weight Pipe Length - I. D. - in.  
 Weight 9.9 Water Loss 16.0 cc. Drill Pipe Length 3075 I. D. 3.8 in.  
 Chlorides 68,000 P.P.M. Test Tool Length 23 ft. Tool Size 5 1/2 OD in.  
 Jars: Make - Serial Number - Anchor Length 16 ft. Size 5 1/2 OD 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 XH in.

Blow: Initial flow period strong - off bottom in 2 1/2 minutes. Final flow period weak decreasing - flushed tool at 10 minutes into final flow period.

Recovered 263 ft. of drilling mud  
 Recovered     ft. of      
 Recovered     ft. of      
 Recovered     ft. of      
 Recovered     ft. of    

Remarks: Packers leaked. Blow died 40 minutes into final flow period. Ran test 10 minutes after blow died then closed tool.

MISRUN

Time Set Packer(s) 6:55 A.M. Time Started Off Bottom 8:55 A.M. Maximum Temperature 108  
 P.M. P.M.  
 Initial Hydrostatic Pressure (A) 1725 P.S.I.  
 Initial Flow Period Minutes 10 (B) Plugged P.S.I. to (C) 134 P.S.I.  
 Initial Closed In Period Minutes 18 (D) 517 P.S.I.  
 Final Flow Period Minutes 45 (E) 163 P.S.I. to (F) 133 P.S.I.  
 Final Closed In Period Minutes 30 (G) 389 P.S.I.  
 Final Hydrostatic Pressure (H) 1704 P.S.I.

**WESTERN TESTING CO., INC.**

**Pressure Data**

Date 10/7/81

Test Ticket No. 12427

Recorder No. 1561

Capacity 3200

Location 3222 Ft.

Clock No. - Elevation 1718 Kelly Bushing

Well Temperature 108 °F

Point	Pressure	
A Initial Hydrostatic Mud	<u>1725</u>	P.S.I.
B First Initial Flow Pressure	<u>Plugged</u>	P.S.I.
C First Final Flow Pressure	<u>134</u>	P.S.I.
D Initial Closed-in Pressure	<u>517</u>	P.S.I.
E Second Initial Flow Pressure	<u>163</u>	P.S.I.
F Second Final Flow Pressure	<u>133</u>	P.S.I.
G Final Closed-in Pressure	<u>389</u>	P.S.I.
H Final Hydrostatic Mud	<u>1704</u>	P.S.I.

	Time Given	Time Computed
Open Tool	<u>6:55P</u>	<u>M</u>
First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
Initial Closed-in Pressure	<u>20</u> Mins.	<u>18</u> Mins.
Second Flow Pressure	<u>50</u> Mins.	<u>45</u> Mins.
Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.

All Pressures questionable due to packer leak

**PRESSURE BREAKDOWN**

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In			
	Breakdown: <u>2</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>6</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.			
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>Plugged</u>	<u>0</u>	<u>134</u>	<u>0</u>	<u>163</u>	<u>0</u>	<u>133</u>
P 2	<u>Plugged</u>	<u>3</u>	<u>157</u>	<u>5</u>	<u>163</u>	<u>3</u>	<u>144</u>
P 3	<u>134</u>	<u>6</u>	<u>291</u>	<u>10</u>	<u>163</u>	<u>6</u>	<u>163</u>
P 4		<u>9</u>	<u>356</u>	<u>15</u>	<u>163</u>	<u>9</u>	<u>186</u>
P 5		<u>12</u>	<u>416</u>	<u>20</u>	<u>180</u>	<u>12</u>	<u>213</u>
P 6		<u>15</u>	<u>480</u>	<u>25</u>	<u>179</u>	<u>15</u>	<u>236</u>
P 7		<u>18</u>	<u>517</u>	<u>30</u>	<u>183</u>	<u>18</u>	<u>269</u>
P 8				<u>35</u>	<u>176</u>	<u>21</u>	<u>303</u>
P 9				<u>40</u>	<u>172</u>	<u>24</u>	<u>335</u>
P10				<u>45</u>	<u>133</u>	<u>27</u>	<u>371</u>
P11						<u>30</u>	<u>389</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

1561

TOP

10-7-81

Fell & Wolfe  
Link #1  
DST. #1

Tft # 12427

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