

Company Dennis Schaffer Oil Lease & Well No. Hannagar-Schaffer #1  
 Elevation ---- Formation Lansing Effective Pay - Ft. Ticket No. 12256  
 Date 8/16 /81 Sec. 16 Twp. 19S Range 13W County Barton State Kansas  
 Test Approved by Dennis W. Schaffer Western Representative Ray Schwager

Formation Test No. 1 Interval Tested from 3216 ft. to 3250 ft. Total Depth 3250 ft.  
 Packer Depth 3211 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.  
 Packer Depth 3216 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 3217 ft. Recorder Number 13269 Cap. 4375  
 Bottom Recorder Depth (Outside) 3220 ft. Recorder Number 13270 Cap. 4375  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Big Kat Drilling Rig #1 Drill Collar Length 250 I. D. 2.2 in.  
 Mud Type starch Viscosity 39 Weight Pipe Length 750 I. D. 2.7 in.  
 Weight 9.6 Water Loss 15.8 cc. Drill Pipe Length 2194 I. D. 3.8 in.  
 Chlorides 76,000 P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.  
 Jars: Make - Serial Number - Anchor Length 34 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 FH in.

Blow: Initial flow period weak blow throughout; three inch blow decreased to one half inch blow. Final flow period no blow; flushed tool no help.

Recovered 65 ft. of mud  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -

Remarks: -

Slid tool approximately seven feet to bottom.

Time Set Packer(s) 8:15 ~~AM~~ P.M. Time Started Off Bottom 9:25 ~~AM~~ P.M. Maximum Temperature 102°  
 Initial Hydrostatic Pressure (A) 1706 P.S.I.  
 Initial Flow Period Minutes 30 (B) 66 P.S.I. to (C) 66 P.S.I.  
 Initial Closed In Period Minutes 33 (D) 269 P.S.I.  
 Final Flow Period Minutes 10 (E) 70 P.S.I. to (F) 70 P.S.I.  
 Final Closed In Period Minutes -- (G) -- P.S.I.  
 Final Hydrostatic Pressure (H) 1706 P.S.I.

**WESTERN TESTING CO., INC.**

**Pressure Data**

Date 8/16/81 Test Ticket No. 12256  
 Recorder No. 13269 Capacity 4375 Location 3217 Ft.  
 Clock No. - Elevation --- Well Temperature 102 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1706</u> P.S.I.	Open Tool	<u>8:15P</u> M	
B First Initial Flow Pressure	<u>66</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>66</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>269</u> P.S.I.	Second Flow Pressure	<u>8</u> Mins.	<u>10</u> Mins.
E Second Initial Flow Pressure	<u>70</u> P.S.I.	Final Closed-in Pressure	<u>--</u> Mins.	<u>--</u> Mins.
F Second Final Flow Pressure	<u>70</u> P.S.I.			
G Final Closed-in Pressure	<u>--</u> P.S.I.			
H Final Hydrostatic Mud	<u>1706</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: 11 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

**Second Flow Pressure**  
 Breakdown: 1 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

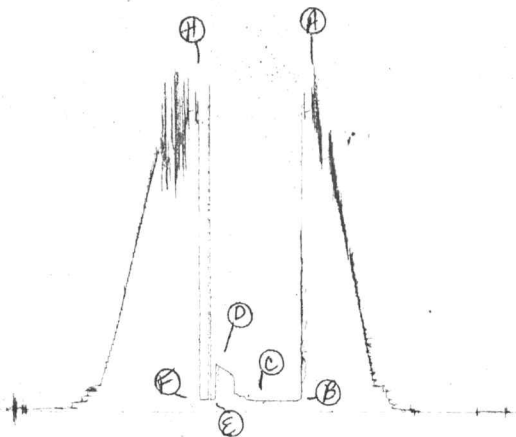
**Final Shut-In**  
 Breakdown: 0 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>66</u>	<u>0</u>	<u>66</u>	<u>0</u>	<u>70</u>		
P 2 <u>5</u>	<u>66</u>	<u>3</u>	<u>66</u>	<u>5</u>	<u>FLUSHED TOOL</u>		
P 3 <u>10</u>	<u>66</u>	<u>6</u>	<u>68</u>	<u>10</u>	<u>70</u>		
P 4 <u>15</u>	<u>66</u>	<u>9</u>	<u>73</u>				
P 5 <u>20</u>	<u>66</u>	<u>12</u>	<u>90</u>				
P 6 <u>25</u>	<u>66</u>	<u>15</u>	<u>95</u>				
P 7 <u>30</u>	<u>66</u>	<u>18</u>	<u>106</u>				
P 8 _____		<u>21</u>	<u>214</u>				
P 9 _____		<u>24</u>	<u>229</u>				
P10 _____		<u>27</u>	<u>244</u>				
P11 _____		<u>30</u>	<u>258</u>				
P12 _____		<u>33</u>	<u>269</u>				
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

TKT #12256

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12269



Company Dennis Schaffer Oil Lease & Well No. Hannagar-Schaffer #1  
 Elevation -- Formation Arbuckle Effective Pay - Ft. Ticket No. 12257  
 Date 8/ 17/81 Sec. 16 Twp. 19S Range 13W County Barton State Kansas  
 Test Approved by L. O. Chubb Western Representative Ray Schwager

Formation Test No. 2 Interval Tested from 3436 ft. to 3470 ft. Total Depth 3470 ft.  
 Packer Depth 3431 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.  
 Packer Depth 3436 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 3437 ft. Recorder Number 13269 Cap. 4375  
 Bottom Recorder Depth (Outside) 3440 ft. Recorder Number 13270 Cap. 4375  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Big Kat Drilling Rig #1 Drill Collar Length 250 I. D. 2.2 in.  
 Mud Type starch Viscosity 40 Weight Pipe Length 750 I. D. 2.7 in.  
 Weight 9.8 Water Loss 9.6 cc. Drill Pipe Length 2414 I. D. 3.8 in.  
 Chlorides 76,000 P.P.M. Test Tool Length 22 ft. Tool Size 4 1/2 in.  
 Jars: Make - Serial Number - Anchor Length 34 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 FH in.

Blow: Initial flow period weak blow; died in twenty-one minutes. Final flow period no blow; flushed tool - no help.

Recovered 5 ft. of mud  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -

Remarks: -

Time Set Packer(s)	<u>10:15</u>	<del>AM</del> P.M.	Time Started Off Bottom	<u>11:20</u>	<del>AM</del> P.M.	Maximum Temperature	<u>105°</u>
Initial Hydrostatic Pressure			(A)	<u>1833</u>		P.S.I.	
Initial Flow Period		Minutes	<u>30</u>	(B)	<u>39</u>	P.S.I. to (C)	<u>39</u> P.S.I.
Initial Closed In Period		Minutes	<u>33</u>	(D)	<u>66</u>	P.S.I.	
Final Flow Period		Minutes	<u>5</u>	(E)	<u>42</u>	P.S.I. to (F)	<u>46</u> P.S.I.
Final Closed In Period		Minutes	<u>-</u>	(G)	<u>--</u>	P.S.I.	
Final Hydrostatic Pressure			(H)	<u>1833</u>		P.S.I.	

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 8/17/81 Test Ticket No. 12257  
 Recorder No. 13269 Capacity 4375 Location 3437 Ft.  
 Clock No. - Elevation -- Well Temperature 105 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1833 P.S.I.	Open Tool	10:15P	M
B First Initial Flow Pressure	39 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	39 P.S.I.	Initial Closed-in Pressure	30 Mins.	33 Mins.
D Initial Closed-in Pressure	66 P.S.I.	Second Flow Pressure	5 Mins.	5 Mins.
E Second Initial Flow Pressure	42 P.S.I.	Final Closed-in Pressure	-- Mins.	-- Mins.
F Second Final Flow Pressure	46 P.S.I.			
G Final Closed-in Pressure	-- P.S.I.			
H Final Hydrostatic Mud	1833 P.S.I.			

**PRESSURE BREAKDOWN**

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>11</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>0</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.	Point Minutes	Press.	Point Minutes
P 1	39	0	39	
P 2	39	3	40	
P 3	39	6	42	
P 4	39	9	44	
P 5	39	12	47	
P 6	39	15	48	
P 7	39	18	51	
P 8		21	55	
P 9		24	58	
P10		27	62	
P11		30	63	
P12		33	66	
P13				
P14				
P15				
P16				
P17				
P18				
P19				
P20				

Flushed tool

TKT #12257

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13269

