



**DIAMOND TESTING, LLC**  
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STC/Froetschner1dst1

Company Prolific Resources, LLC Lease & Well No. Froetschner No. 1  
Elevation 2046 KB Formation Cherokee Sandstone Effective Pay      Ft. Ticket No. J3292  
Date 9-22-14 Sec. 11 Twp. 22S Range 18W County Pawnee State Kansas  
Test Approved By Robert T. (Bob) Stolzle Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 4,054 ft. to 4,080 ft. Total Depth 4,080 ft.  
Packer Depth 4,049 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Packer Depth 4,054 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 4,057 ft. Recorder Number 30046 Cap. 6,000 psi.  
Bottom Recorder Depth (Outside) 4,077 ft. Recorder Number 13498 Cap. 6,000 psi.  
Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi.

Drilling Contractor Murfin Drilling Company, Inc. - Rig 16 Drill Collar Length 30 ft I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 52 Weight Pipe Length      ft I.D.      in.  
Weight 9.1 Water Loss 8.0 cc. Drill Pipe Length 3,998 ft I.D. 3 1/2 in.  
Chlorides 4,300 P.P.M. Test Tool Length 26 ft Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number 1 Anchor Length 26 ft. Size 4 1/2-FH in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Strong blow. Gas to surface in 2 mins. Gauged 754 MCF/D up to 907 MCF/D at end. No blow back during shut-in.

2nd Open: Strong blow. Gas to surface throughout. Gauged 907 MCF/D up to 1012 MCF/D at end. No blow back during shut-in.

Recovered 1 ft. of drilling mud = .004920 bbls.

Recovered      ft. of     

Recovered      ft. of     

Recovered      ft. of     

Recovered      ft. of     

Recovered      ft. of     

Remarks Tool Sample Grind Out: 100%-mud

Gas sample taken on 2nd flow.

Time Set Packer(s) 1:30 P.M. Time Started off Bottom 3:45 P.M. Maximum Temperature 99°  
Initial Hydrostatic Pressure.....(A) 1979 P.S.I.  
Initial Flow Period.....Minutes 15 (B) 188 P.S.I. to (C) 196 P.S.I.  
Initial Closed In Period.....Minutes 30 (D) 1297 P.S.I.  
Final Flow Period.....Minutes 30 (E) 198 P.S.I. to (F) 201 P.S.I.  
Final Closed In Period.....Minutes 60 (G) 1271 P.S.I.  
Final Hydrostatic Pressure.....(H) 1941 P.S.I.