



DIAMOND TESTING, LLC
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STC/Froetschner1dst3

Company Prolific Resources, LLC Lease & Well No. Froetschner No. 1
Elevation 2046 KB Formation Viola Effective Pay _____ Ft. Ticket No. J3294
Date 9-23-14 Sec. 11 Twp. 22S Range 18W County Pawnee State Kansas
Test Approved By Robert T. (Bob) Stolzie Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 4,141 ft. to 4,180 ft. Total Depth 4,180 ft.
Packer Depth 4,136 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,141 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,144 ft. Recorder Number 30046 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 4,177 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 49 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.1 Water Loss 9.2 cc. Drill Pipe Length 4,085 ft I.D. 3 1/2 in.
Chlorides 5,000 P.P.M. Test Tool Length 26 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 1 Anchor Length 39 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 increasing. Off bottom of bucket in 5 mins. Weak blow back during shut-in.

2nd Open: Strong blow increasing. Off bottom of bucket in 17 mins. No blow back during shut-in.

Recovered 560 ft. of gas in pipe
Recovered 50 ft. of gas & oil cut watery mud = .711500 bbls. (Grind out: 15%-gas; 5%-oil; 80%-mud)
Recovered 60 ft. of mud cut water = .574500 bbls. (Grind out: 80%-water; 20%-mud) Chlorides: 65,000 Ppm
Recovered 110 ft. of TOTAL FLUID = 1.286000 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks Tool Sample Grind Out: 100%-water

Time Set Packer(s) 6:40 P.M. Time Started off Bottom 10:40 P.M. Maximum Temperature 116°
Initial Hydrostatic Pressure.....(A) 2023 P.S.I.
Initial Flow Period.....Minutes 30 (B) 31 P.S.I. to (C) 40 P.S.I.
Initial Closed In Period.....Minutes 60 (D) 1140 P.S.I.
Final Flow Period.....Minutes 60 (E) 43 P.S.I. to (F) 71 P.S.I.
Final Closed In Period.....Minutes 90 (G) 1129 P.S.I.
Final Hydrostatic Pressure.....(H) 1984 P.S.I.