



DIAMOND TESTING, LLC
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STC/Froetschner1dst2

Company Prolific Resources, LLC Lease & Well No. Froetschner No. 1
Elevation 2046 KB Formation Mississippi Osage Chert Effective Pay _____ Ft. Ticket No. J3293
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. 2 Interval Tested from 4,104 ft. to 4,140 ft. Total Depth 4,140 ft.
Packer Depth 4,099 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,104 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,107 ft. Recorder Number 30046 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 4,137 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 4,048 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 36 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: Fair, 5 in. blow. No blow back during shut-in.
2nd Open: Weak, 3 1/2 in. blow. No blow back during shut-in.

Recovered 40 ft. of slightly gas cut drilling mud w/a few oil specks = .289900 bbls. (Grind out: 5%-gas; 95%-mud)

Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 100%-mud

Time Set Packer(s) 5:30 A.M. Time Started off Bottom 9:30 A.M. Maximum Temperature 109°
Initial Hydrostatic Pressure.....(A) 2004 P.S.I.
Initial Flow Period.....Minutes 30 (B) 28 P.S.I. to (C) 25 P.S.I.
Initial Closed In Period.....Minutes 60 (D) 103 P.S.I.
Final Flow Period.....Minutes 60 (E) 24 P.S.I. to (F) 29 P.S.I.
Final Closed In Period.....Minutes 90 (G) 102 P.S.I.
Final Hydrostatic Pressure.....(H) 1976 P.S.I.