



DIAMOND TESTING, LLC
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JACOBSON2DST2

Company Range Oil Company, Inc. Lease & Well No. Jacobson No. 2
Elevation 1468 KB Formation Viola Effective Pay _____ Ft. Ticket No. T491
Date 8-20-15 Sec. 31 Twp. 19S Range 6E County Chase State Kansas
Test Approved By Kenneth C. Wallace Diamond Representative Tim Venters

Formation Test No. 2 Interval Tested from 2,189 ft. to 2,201 ft. Total Depth 2,201 ft.
Packer Depth 2,184 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 2,189 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 2,170 ft. Recorder Number 5504 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 2,198 ft. Recorder Number 11029 Cap. 5,025 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor C & G Drilling Company - Rig 1 Drill Collar Length 178 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 48 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.3 Water Loss 9.4 cc. Drill Pipe Length 1,978 ft I.D. 3 in.
Chlorides 1,080 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 2 Anchor Length 12 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-FH in.

Blow: 1st Open: Weak, surface blow increasing to 3/4 in. No blow back during shut-in.
2nd Open: Weak, surface blow increasing to 1/4 in. No blow back during shut-in.

Recovered 15 ft. of clean oil = .073800 bbls. (Grind out: 100%-oil) Gravity: 28 @ 60°

Recovered 20 ft. of heavy mud cut oil = .098400 bbls. (Grind out: 55%-oil; 45%-mud)

Recovered 35 ft. of TOTAL FLUID = .172200 bbls.

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 11%-oil; 89%-mud

Time Set Packer(s) 5:14 P.M. Time Started off Bottom 8:14 P.M. Maximum Temperature 91°
Initial Hydrostatic Pressure.....(A) 1052 P.S.I.
Initial Flow Period.....Minutes 30 (B) 20 P.S.I. to (C) 29 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 776 P.S.I.
Final Flow Period.....Minutes 60 (E) 30 P.S.I. to (F) 41 P.S.I.
Final Closed In Period.....Minutes 60 (G) 783 P.S.I.
Final Hydrostatic Pressure.....(H) 1052 P.S.I.