



DIAMOND TESTING, LLC
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 JACOBSON1DST2

Company Range Oil Company, Inc. Lease & Well No. Jacobson No. 1
 Elevation 1458 KB Formation Viola Effective Pay Ft. Ticket No. F389
 Date 6-11-15 Sec. 31 Twp. 19S Range 6E County Chase State Kansas
 Test Approved By Kenneth C. Wallace Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 2,172 ft. to 2,190 ft. Total Depth 2,190 ft.
 Packer Depth 2,167 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Packer Depth 2,172 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 2,150 ft. Recorder Number 5951 Cap. 5,000 psi.
 Bottom Recorder Depth (Outside) 2,173 ft. Recorder Number 5584 Cap. 5,000 psi.
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor C & G Drilling Company - Rig 1 Drill Collar Length 180 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 47 Weight Pipe Length ft I.D. in.
 Weight 9.2 Water Loss 11.8 cc. Drill Pipe Length 1,959 ft I.D. 3 in.
 Chlorides 820 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 5 Anchor Length 18 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 blow slowly increasing to 1/2 in. No blow back during shut-in.
 2nd Open: Weak blow slowly increasing to 1 in. No blow back during shut-in.

Recovered 20 ft. of clean oil = .098400 bbls. (Grind out: 100%-oil) Gravity: 28 @ 60°
 Recovered 20 ft. of slightly oil cut mud = .098400 bbls. (Grind out: 5%-oil; 95%-mud)
 Recovered 40 ft. of TOTAL FLUID = .196800 bbls.
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Remarks

Time Set Packer(s) 6:55 P.M. Time Started off Bottom 9:55 P.M. Maximum Temperature 92°
 Initial Hydrostatic Pressure.....(A) 1053 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 8 P.S.I. to (C) 16 P.S.I.
 Initial Closed In Period.....Minutes 30 (D) 707 P.S.I.
 Final Flow Period.....Minutes 60 (E) 16 P.S.I. to (F) 26 P.S.I.
 Final Closed In Period.....Minutes 60 (G) 664 P.S.I.
 Final Hydrostatic Pressure.....(H) 1048 P.S.I.