DIAMOND TESTING, LLC
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JACOBSON2DST1

Company Range Oil Company, Inc. Lease & Well No. Jacobson No. 2

Elevation 1468 KB Formation Viola Effective Pay -- Ft. Ticket No. T490

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. 1 Interval Tested from 2,177 ft. to 2,191 ft. Total Depth 2,191 ft

Packer Depth 2,172 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 2,177 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 2,158 ft. Recorder Number 5504 Cap. 5,000 psi.

Bottom Recorder Depth (Outside) 2,188 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

Mud Type Chemical Viscosity 38

Weight 9.0 Water Loss 9.8 cc.

Chlorides 1,160 P.P.M.

Jars: Make Sterling Serial Number 2

Did Well Flow? No Reversed Out No

Drill Collar Length 178 ft I.D. 2 1/4 in.

Weight Pipe Length -- ft I.D. -- in.

Drill Pipe Length 1,966 ft I.D. 3 in.

Test Tool Length 33 ft Tool Size 3 1/2-IF in.

Anchor Length 14 ft. Size 4 1/2-FH in.

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, 1/2 in. blow increasing to 9 1/2 ins. No blow back during shut-in.

2nd Open: Weak, surface blow increasing to 7 1/2 ins. No blow back during shut-in.

Recovered 160 ft. of clean oil = .858240 bbls. (Grind out: 100%-oil) Gravity: 28 @ 60°

Recovered 30 ft. of oil cut mud = .147600 bbls. (Grind out: 32%-oil; 68%-mud)

Recovered 190 ft. of TOTAL FLUID = 1.005840 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 36%-oil; 64%-mud

Time Set Packer(s) 4:47 A.M. Time Started off Bottom 7:47 A.M. Maximum Temperature 92°

Initial Hydrostatic Pressure.....(A) 1068 P.S.I.

Initial Flow Period.....Minutes 30 (B) 26 P.S.I. to (C) 61 P.S.I.

Initial Closed In Period.....Minutes 30 (D) 536 P.S.I.

Final Flow Period.....Minutes 60 (E) 63 P.S.I to (F) 96 P.S.I.

Final Closed In Period.....Minutes 60 (G) 587 P.S.I.

Final Hydrostatic Pressure.....(H) 1068 P.S.I.