



**DIAMOND TESTING, LLC**  
 P.O. Box 157  
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 JACOBSON1DST1

Company Range Oil Company, Inc. Lease & Well No. Jacobson No. 1  
 Elevation 1458 KB Formation Viola Effective Pay      Ft. Ticket No. F388  
 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. 1 Interval Tested from 2,169 ft. to 2,180 ft. Total Depth 2,180 ft.  
 Packer Depth 2,164 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
 Packer Depth 2,169 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
 Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 2,147 ft. Recorder Number 5951 Cap. 5,000 psi.  
 Bottom Recorder Depth (Outside) 2,170 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 1,956 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 11 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: Surged upon opening tool. No blow. No blow back during shut-in.  
 2nd Open: No blow. Flushed tool. Surged upon flushing. No blow. No blow back during shut-in.

Recovered 195 ft. of drilling mud = 1.008150 bbls.  
 Recovered      ft. of       
 Recovered      ft. of       
 Recovered      ft. of       
 Recovered      ft. of       
 Recovered      ft. of       
 Remarks Fluid recovery was gained when we flushed the tool.

Time Set Packer(s) 7:53 A.M. Time Started off Bottom 9:53 A.M. Maximum Temperature 94°  
 Initial Hydrostatic Pressure.....(A) 1055 P.S.I.  
 Initial Flow Period.....Minutes 30 (B) 7 P.S.I. to (C) 7 P.S.I.  
 Initial Closed In Period.....Minutes 30 (D) 8 P.S.I.  
 Final Flow Period.....Minutes 30 (E) 7 P.S.I. to (F) 112 P.S.I.  
 Final Closed In Period.....Minutes 30 (G) 144 P.S.I.  
 Final Hydrostatic Pressure.....(H) 1052 P.S.I.