



**DIAMOND TESTING, LLC**  
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ENTZ1DST1

Company Range Oil Company, Inc. Lease & Well No. Entz Trust "C" No. 1  
Elevation 1381 KB Formation Mississippi Effective Pay \_\_\_\_\_ Ft. Ticket No. M587  
Date 12-3-13 Sec. 9 Twp. 25S Range 3E County Butler State Kansas  
Test Approved By Frank S. Mize Diamond Representative Mike Cochran

Formation Test No. 1 Interval Tested from 2,766 ft. to 2,792 ft. Total Depth 2,792 ft.  
Packer Depth 2,761 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 2,766 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 2,748 ft. Recorder Number 0063 Cap. 6,000 psi.  
Bottom Recorder Depth (Outside) 2,768 ft. Recorder Number E1150 Cap. 5,000 psi.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor Summit Drilling Company - Rig 1 Drill Collar Length 315 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 51 Weight Pipe Length \_\_\_\_\_ ft. I.D. \_\_\_\_\_ in.  
Weight 9.4 Water Loss 9.2 cc. Drill Pipe Length 2,419 ft. I.D. 3 in.  
Chlorides 1,000 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number 1 Anchor Length 26 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 3 1/2-XH in.

Blow: 1st Open: Weak, intermittent surface blow increasing to 4 ins. No blow back during shut-in.  
2nd Open: Strong, 1 in. surface blow immediately increasing to 9 1/8 ins. No blow back during shut-in.

Recovered 189 ft. of gas in pipe  
Recovered 63 ft. of gas & heavy oil cut mud = .309960 bbls. (Grind out: 2%-gas; 31%-oil; 67%-mud)  
Recovered 63 ft. of TOTAL FLUID = .309960 bbls.  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Remarks Tool Sample Grind Out: 1%-gas; 36%-oil; 6%-water; 57%-mud

Time Set Packer(s) 12:05 P.M. Time Started off Bottom 3:05 P.M. Maximum Temperature 104°  
Initial Hydrostatic Pressure.....(A) 1364 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 8 P.S.I. to (C) 22 P.S.I.  
Initial Closed In Period.....Minutes 30 (D) 508 P.S.I.  
Final Flow Period.....Minutes 60 (E) 26 P.S.I. to (F) 44 P.S.I.  
Final Closed In Period.....Minutes 60 (G) 523 P.S.I.  
Final Hydrostatic Pressure.....(H) 1347 P.S.I.