



**DIAMOND TESTING, LLC**  
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bowman3dst1

Company Range Oil Company, Inc. Lease & Well No. Bowman No. 3  
Elevation 1325 KB Formation Upper Simpson Sand Effective Pay      Ft. Ticket No. T340  
Date 4-26-14 Sec. 4 Twp. 29S Range 3E County Butler State Kansas  
Test Approved By Ken Wallace Diamond Representative Tim Venters

Formation Test No. 1 Interval Tested from 3,120 ft. to 3,145 ft. Total Depth 3,145 ft.  
Packer Depth 3,115 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Packer Depth 3,120 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 3,106 ft. Recorder Number 8457 Cap. 10,000 psi.  
Bottom Recorder Depth (Outside) 3,142 ft. Recorder Number 11029 Cap. 5,025 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 42 Weight Pipe Length      ft I.D.      in.  
Weight 9.4 Water Loss 8.0 cc. Drill Pipe Length 2,777 ft I.D. 3 in.  
Chlorides 1,000 P.P.M. Test Tool Length 28 ft Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 25 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: Very weak blow lasting 5 mins. No blow back during shut-in.  
2nd Open: No blow. Flushed tool, received surge blow. No blow back during shut-in.

Recovered 2 ft. of slightly oil cut mud = .009840 bbls. (Grind out: 8%-oil; 92%-mud)  
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of     

Remarks Tool Sample Grind Out: 3%-oil; 97%-mud

Time Set Packer(s) 9:06 P.M. Time Started off Bottom 11:06 P.M. Maximum Temperature 101°  
Initial Hydrostatic Pressure.....(A) 1526 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 4 P.S.I. to (C) 7 P.S.I.  
Initial Closed In Period.....Minutes 30 (D) 801 P.S.I.  
Final Flow Period.....Minutes 30 (E) 6 P.S.I. to (F) 9 P.S.I.  
Final Closed In Period.....Minutes 30 (G) 752 P.S.I.  
Final Hydrostatic Pressure.....(H) 1525 P.S.I.