



15-009-24891

9-16s-11w

**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (620) 653-7550 • (800) 542-7313  
 STC 21083.D202

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Company Mai Oil Operations, Inc. Lease & Well No. Hoffman Ranches No. 4-9  
 Elevation 1792KB Formation Arbuckle Effective Pay      Ft. Ticket No. J1803  
 Date 1-19-06 Sec. 9 Twp. 16S Range 11W County Barton State Kansas  
 Test Approved By Mike Bair Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,210 ft. to 3,287 ft. Total Depth 3,287 ft.  
 Packer Depth 3,205 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
 Packer Depth 3,210 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
 Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 3,213 ft. Recorder Number 21083 Cap. 5,000 psi  
 Bottom Recorder Depth (Outside) 3,284 ft. Recorder Number 11017 Cap. 4,000 psi  
 Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi

Drilling Contractor Murfin Drilling Co., Inc. - Rig 16 Drill Collar Length 30 ft. I.D. 2 1/4 in.  
 Mud Type Chemical Viscosity 53 Weight Pipe Length      ft. I.D.      in.  
 Weight 9.4 Water Loss 8.5 cc. Drill Pipe Length 3,160 ft. I.D. 3 1/2 in.  
 Chlorides 2,500 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.  
 Jars: Make Bowen Serial Number Not Run Anchor Length 77 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 1/2 - XH in.

Blow: 1st Open: Strong blow. Off bottom of bucket in 13 mins. No blow back during shut-in.  
 2nd Open: Strong blow. Off bottom of bucket in 24 mins. No blow back during shut-in.

Recovered 540 ft. of muddy water = 7.668000 bbls. (Grind out: 30%-mud; 70%-water)  
 Recovered 310 ft. of water = 4.123600 bbls. (Chlorides: 12,000 Ppm)  
 Recovered 850 ft. of TOTAL FLUID = 11.791600 bbls.  
 Recovered      ft. of       
 Recovered      ft. of     

RECEIVED  
 FEB 27 2006  
 KCC WICHITA

Remarks     

Time Set Packer(s) 1:30 AM P.M. Time Started Off Bottom 5:00 AM P.M. Maximum Temperature 113°  
 Initial Hydrostatic Pressure ..... (A) 1600 P.S.I.  
 Initial Flow Period ..... Minutes 45 (B) 31 P.S.I. to (C) 237 P.S.I.  
 Initial Closed In Period ..... Minutes 60 (D) 1083 P.S.I.  
 Final Flow Period ..... Minutes 45 (E) 241 P.S.I. to (F) 409 P.S.I.  
 Final Closed In Period ..... Minutes 60 (G) 1078 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1578 P.S.I.