



**DIAMOND TESTING, LLC**  
 P.O. Box 157  
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 cross4d8t1

Company Molitor Oil, Inc. Lease & Well No. Cross No. 4  
 Elevation 1571 KB Formation Dennis-Swope Effective Pay \_\_\_\_\_ Ft. Ticket No. K056  
 Date 11-13-13 Sec. 31 Twp. 29S Range 8W County Kingman State Kansas  
 Test Approved By Max N. Lovely Diamond Representative Jason McLemore

Formation Test No. 1 Interval Tasted from 3,784 ft to 3,821 ft Total Depth 3,821 ft  
 Packer Depth 3,779 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 3,784 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 3,765 ft Recorder Number 5513 Cap. 5,000 ps  
 Bottom Recorder Depth (Outside) 3,766 ft Recorder Number 5588 Cap. 6,000 ps  
 Below Straddle Recorder Depth \_\_\_\_\_ ft Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ ps

Drilling Contractor Hardt Drilling, LLC - Rig 1 Drill Collar Length 120 ft I.D. 2 1/4  
 Mud Type Chemical Viscosity 45 Weight Pipe Length \_\_\_\_\_ ft I.D. \_\_\_\_\_  
 Weight 8.3 Water Loss 8.0 cc Drill Pipe Length 3,631 ft I.D. 3 1/2  
 Chlorides 3,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-FH  
 Jars: Make Sterling Serial Number 7 Anchor Length 37 ft. Size 4 1/2-FH  
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH

Blow: 1st Open: Strong blow increasing. Off bottom of bucket on open. Gas to surface in 8 mins. Gauged gas. No blow back during shut-in.  
 2nd Open: Strong blow increasing. Off bottom of bucket on open. Gauged gas. Bottom of bucket blow back in 18 mins. lasting throughout.

Recovered 400 ft. of gassy, frothy oil = 5.692000 bbls. (Grind out: 80%-gas; 40%-oil)  
 Recovered 125 ft. of salt water = .661560 bbls. (Chlorides: 85,000 Ppm PH: 7.0 RW: .16 @ 58°)  
 Recovered 525 ft. of TOTAL FLUID = 6.353560 bbls.  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks Tool Sample Grind Out: Gas

Time Set Packer(s) 6:45 A.M. Time Started off Bottom 10:30 A.M. Maximum Temperature 116°  
 Initial Hydrostatic Pressure \_\_\_\_\_ (A) 1818 P.S.I.  
 Initial Flow Period \_\_\_\_\_ Minutes 30 (B) 56 P.S.I. to (C) 119 P.S.I.  
 Initial Closed In Period \_\_\_\_\_ Minutes 45 (D) 1066 P.S.I.  
 Final Flow Period \_\_\_\_\_ Minutes 60 (E) 121 P.S.I. to (F) 216 P.S.I.  
 Final Closed In Period \_\_\_\_\_ Minutes 90 (G) 956 P.S.I.  
 Final Hydrostatic Pressure \_\_\_\_\_ (H) 1820 P.S.I.