

# DIAMOND TESTING

## General Information Report

### General Information

**Company Name** MULL DRILLING COMPANY, INC.  
**Contact** MARK SHREVE  
**Well Name** CURTIS UNIT #2-31  
**Unique Well ID** DST #3, LANSING "J,K,L", 4005-4100  
**Surface Location** SEC 31-15S-26W, GOVE CO. KS.  
**Field** HOICHEM WEST  
**Well Type** Vertical  
**Test Type** CONVENTIONAL  
**Formation** DST #3, LANSING "J,K,L", 4005-4100  
**Well Fluid Type** 01 Oil

**Representative** TIM VENTERS  
**Well Operator** MULL DRILLING COMPANY, INC.  
**Report Date** 2014/04/20  
**Prepared By** TIM VENTERS  
**Qualified By** KEVIN KESSLER

**Start Test Date** 2014/04/20  
**Final Test Date** 2014/04/20

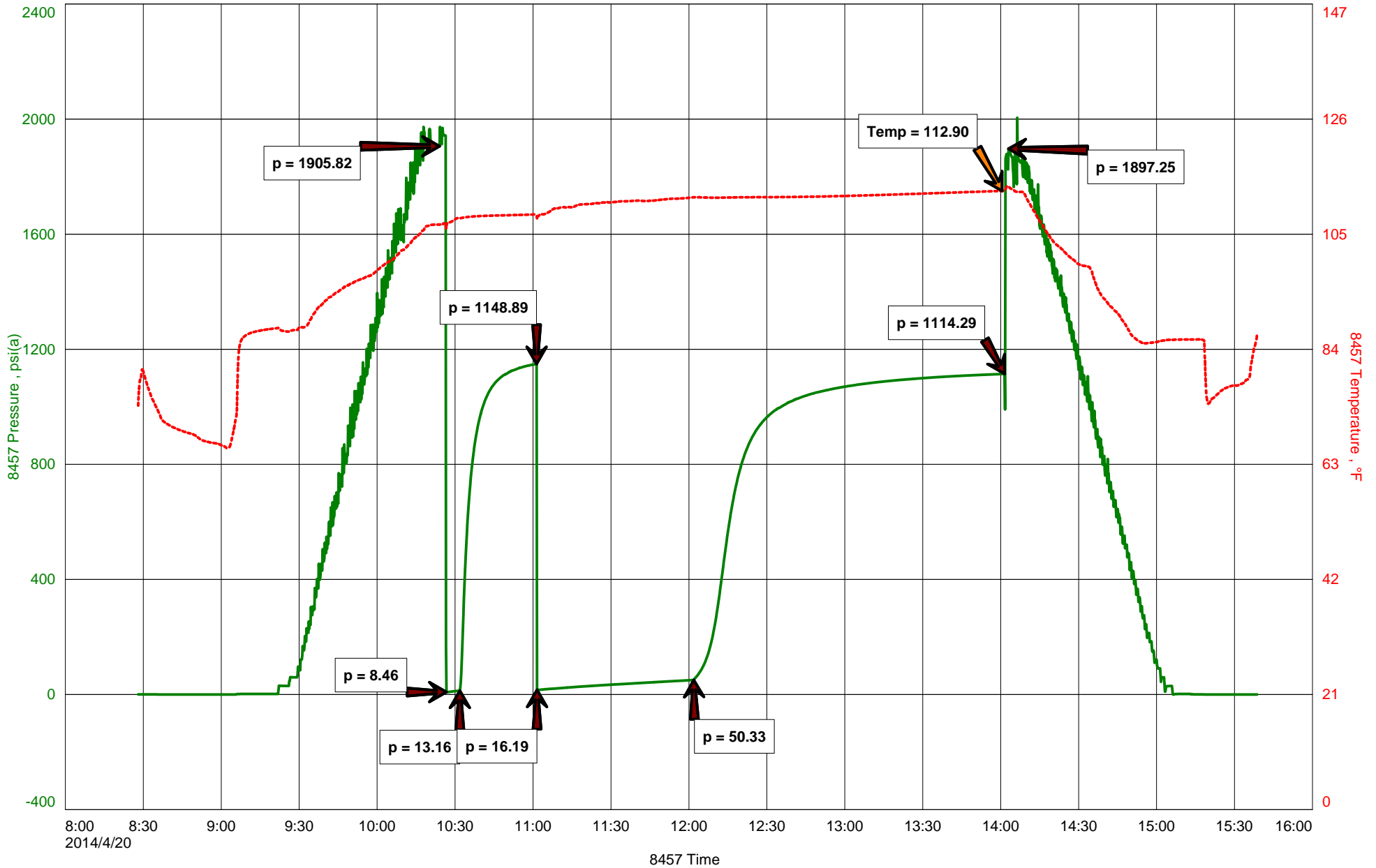
**Start Test Time** 08:28:00  
**Final Test Time** 15:39:00

### Test Recovery:

RECOVERED: 20' MUD  
60' SOCM, 2% OIL, 98% MUD  
80' TOTAL FLUID

TOOL SAMPLE: 1% OIL, 99% MUD

# CURTIS UNIT #2-31





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: CURTISUNIT2-31DST3

TIME ON: 08:28  
TIME OFF: 15:39

Company MULL DRILLING COMPANY, INC. Lease & Well No. CURTIS UNIT #2-31  
Contractor WW DRILLING, LLC RIG #10 Charge to MULL DRILLING COMPANY, INC.  
Elevation 2513 KB Formation LANSING "J,K,L" Effective Pay \_\_\_\_\_ Ft. Ticket No. T336  
Date 4-20-14 Sec. 31 Twp. \_\_\_\_\_ 15 S Range \_\_\_\_\_ 26 W County GOVE State KANSAS  
Test Approved By KEVIN KESSLER Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 Interval Tested from 4005 ft. to 4100 ft. Total Depth 4100 ft.  
Packer Depth 4000 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4005 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 3986 ft. Recorder Number 8457 Cap. 10,000 P.S.I.  
Bottom Recorder Depth (Outside) 4097 ft. Recorder Number 11029 Cap. 5,025 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 46 Drill Collar Length 123 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 7.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 4,400 P.P.M. Drill Pipe Length 3849 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 32 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>63' DP IN ANCHOR</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK SURFACE BLOW, BUILDING TO 1/2 INCH. (NO BB)  
2nd Open: VERY WEAK SURFACE BLOW, BUILDING TO 1 1/2 INCHES. (NO BB)

Recovered 20 ft. of MUD  
Recovered 60 ft. of SOCM, 2% OIL, 98% MUD  
Recovered 80 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 1% OIL, 99% MUD	Total

Time Set Packer(s) 10:26 AM <sup>A.M.</sup> P.M. Time Started Off Bottom 2:01 PM <sup>A.M.</sup> P.M. Maximum Temperature 113 deg.

Initial Hydrostatic Pressure..... (A) 1906 P.S.I.  
Initial Flow Period..... Minutes 5 (B) 8 P.S.I. to (C) 13 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 1149 P.S.I.  
Final Flow Period..... Minutes 60 (E) 16 P.S.I. to (F) 50 P.S.I.  
Final Closed In Period..... Minutes 120 (G) 1114 P.S.I.  
Final Hydrostatic Pressure..... (H) 1897 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.