

# DIAMOND TESTING

## General Information Report

### General Information

**Company Name** MULL DRILLING COMPANY, INC.  
**Contact** MARK SHREVE  
**Well Name** RUFENACHT #1-11  
**Unique Well ID** DST #2, CHEROKEE SD., 4375-4460  
**Surface Location** SEC 11-17S-24W, NESS CO. KS.  
**Field** YOST  
**Well Type** Vertical  
**Test Type** CONVENTIONAL  
**Formation** DST #2, CHEROKEE SD., 4375-4460  
**Well Fluid Type** 01 Oil

**Representative** TIM VENTERS  
**Well Operator** MULL DRILLING COMPANY, INC.  
**Report Date** 2014/02/14  
**Prepared By** TIM VENTERS  
**Qualified By** KEVIN KESSLER

**Start Test Date** 2014/02/13  
**Final Test Date** 2014/02/14

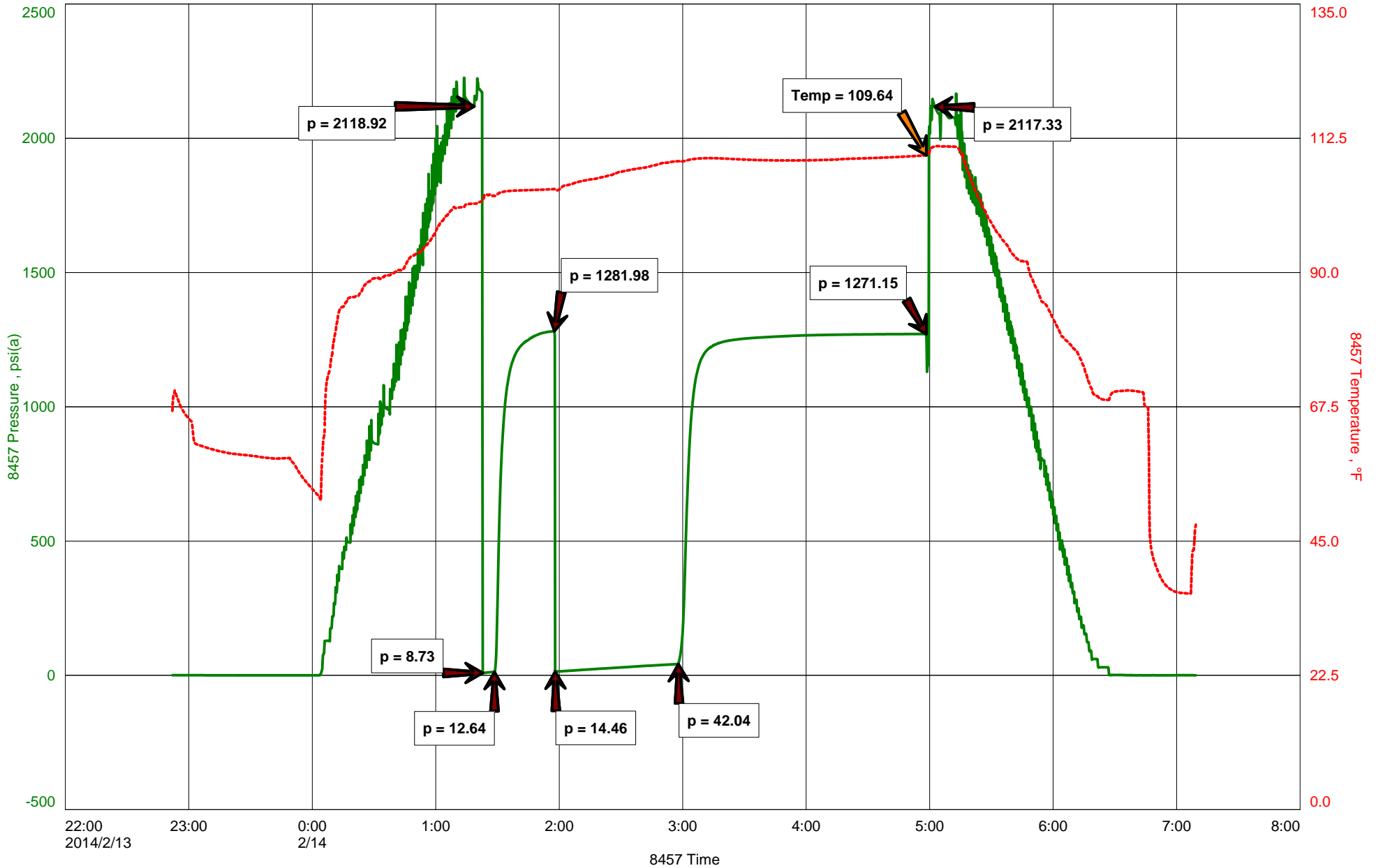
**Start Test Time** 22:52:00  
**Final Test Time** 07:10:00

### Test Recovery:

RECOVERED: 25' CO, 100% OIL, GRAVITY: 33  
60' OCM, 37% OIL, 63% MUD  
85' TOTAL FEET

TOOL SAMPLE: 25% OIL, 75% MUD

# RUFENACHT #1-11





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: RUFENACHT1-11DST2

TIME ON: 22:52 2-13-14  
TIME OFF: 07:10 2-14-14

Company MULL DRILLING COMPANY, INC. Lease & Well No. RUFENACHT #1-11  
Contractor DUKE DRILLING COMPANY, INC. RIG #8 Charge to MULL DRILLING COMPANY, INC.  
Elevation 2488 KB Formation CHEROKEE SD. Effective Pay \_\_\_\_\_ Ft. Ticket No. T312  
Date 2-14-14 Sec. 11 Twp. \_\_\_\_\_ 17 S Range \_\_\_\_\_ 24 W County NESS State KANSAS  
Test Approved By KEVIN KESSLER Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 4375 ft. to 4460 ft. Total Depth 4460 ft.  
Packer Depth 4370 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4375 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4356 ft. Recorder Number 8457 Cap. 10,000 P.S.I.  
Bottom Recorder Depth (Outside) 4457 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 44 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 8.0 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 5,300 P.P.M. Drill Pipe Length 4342 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 21 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>64' DP IN ANCHOR</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4 INCH BLOW, BUILDING TO 1 INCH. (NO BB)  
2nd Open: WEAK SURFACE BLOW, BUILDING TO 7 1/2 INCHES. (NO BB)

Recovered 25 ft. of CO, 100% OIL, GRAVITY: 33  
Recovered 60 ft. of OCM, 37% OIL, 63% MUD  
Recovered 85 ft. of TOTAL FEET

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: _____	
TOOL SAMPLE: <u>25% OIL, 75% MUD</u>	Total

Time Set Packer(s) 1:22 AM A.M. P.M. Time Started Off Bottom 4:57 AM A.M. P.M. Maximum Temperature 110 deg.

Initial Hydrostatic Pressure..... (A) 2119 P.S.I.  
Initial Flow Period..... Minutes 5 (B) 9 P.S.I. to (C) 13 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 1282 P.S.I.  
Final Flow Period..... Minutes 60 (E) 14 P.S.I. to (F) 42 P.S.I.  
Final Closed In Period..... Minutes 120 (G) 1271 P.S.I.  
Final Hydrostatic Pressure..... (H) 2117 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.