

# DIAMOND TESTING

## General Information Report

### General Information

**Company Name** MULL DRILLING COMPANY, INC.  
**Contact** MARK SHREVE  
**Well Name** THOMPSON #1-1  
**Unique Well ID** DST #2, CHEROKEE, 4268-4352  
**Surface Location** SEC 1-16S-23W, NESS CO. KS.  
**Field** WILDCAT  
**Well Type** Vertical  
**Test Type** CONVENTIONAL  
**Formation** DST #2, CHEROKEE, 4268-4352  
**Well Fluid Type** 01 Oil

**Representative** TIM VENTERS  
**Well Operator** MULL DRILLING COMPANY, INC.  
**Report Date** 2014/10/27  
**Prepared By** TIM VENTERS  
**Qualified By** TYLER SANDERS

**Start Test Date** 2014/10/26  
**Final Test Date** 2014/10/26

**Start Test Time** 14:53:00  
**Final Test Time** 23:30:00

### Test Recovery:

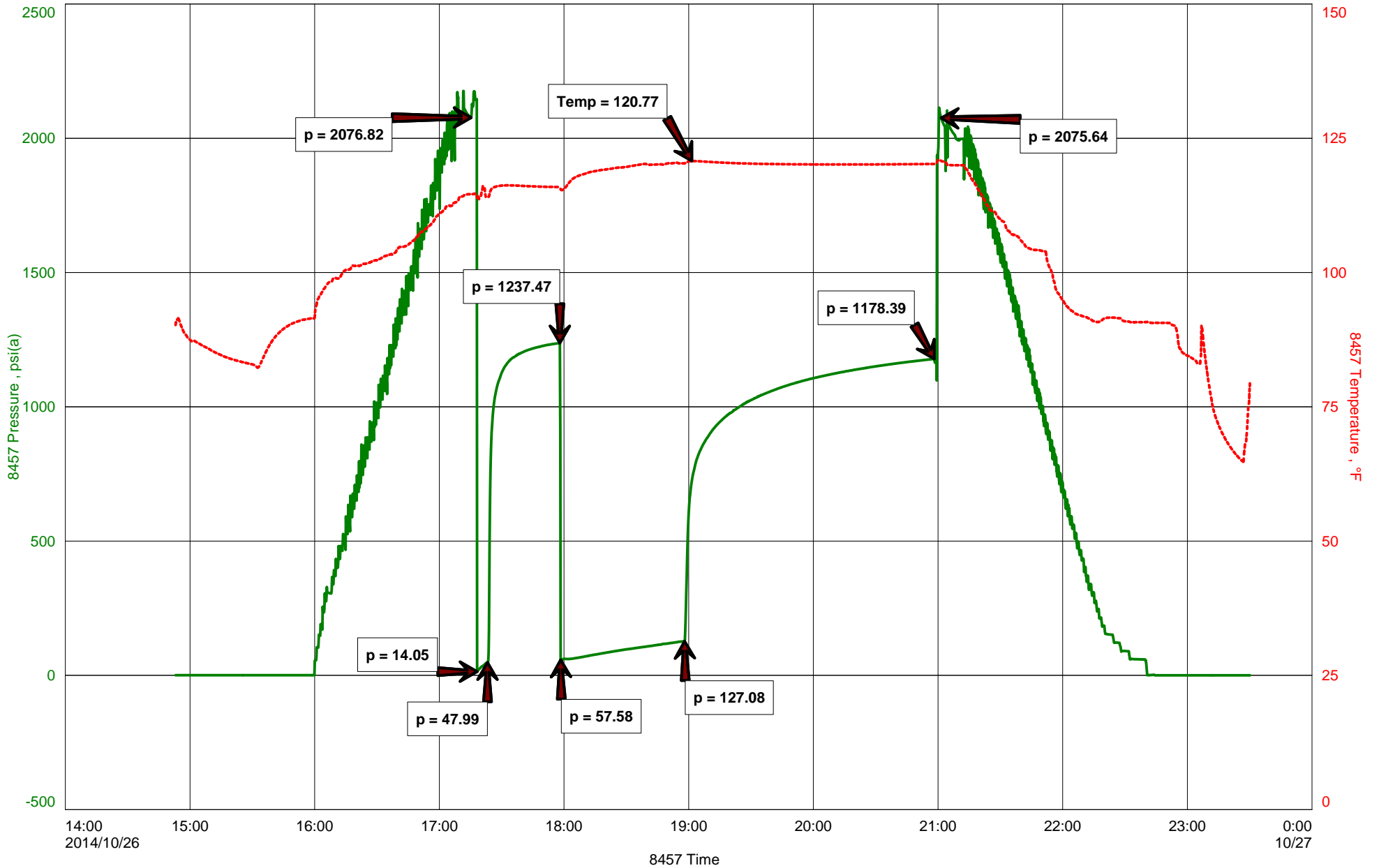
**RECOVERED: 115' GAS IN PIPE**  
240' VSMCO, 99% OIL, 1% MUD, GRAVITY: 33  
20' SMCO, 92% OIL, 8% MUD  
60' HOCM, 45% OIL, 55% MUD  
320' TOTAL FLUID

**TOOL SAMPLE: 25% OIL, 75% MUD**

MULL DRILLING COMPANY, INC.  
DST #2, CHEROKEE, 4268-4352  
Start Test Date: 2014/10/26  
Final Test Date: 2014/10/26

THOMPSON #1-1  
Formation: DST #2, CHEROKEE, 4268-4352  
Pool: WILDCAT  
Job Number: T411

# THOMPSON #1-1





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: THOMPSON1-1DST2

TIME ON: 14:53  
TIME OFF: 23:30

Company MULL DRILLING COMPANY, INC. Lease & Well No. THOMPSON #1-1  
Contractor WW DRILLING, LLC RIG #4 Charge to MULL DRILLING COMPANY, INC.  
Elevation 2394 KB Formation CHEROKEE Effective Pay \_\_\_\_\_ Ft. Ticket No. T411  
Date 10-26-14 Sec. 1 Twp. 16 S Range 23 W County NESS State KANSAS  
Test Approved By TYLER SANDERS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 4268 ft. to 4352 ft. Total Depth 4352 ft.  
Packer Depth 4263 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4268 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4254 ft. Recorder Number 8457 Cap. 10,000 P.S.I.  
Bottom Recorder Depth (Outside) 4349 ft. Recorder Number 11030 Cap. 5,025 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 57 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 8.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 5,200 P.P.M. Drill Pipe Length 4120 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number STY. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 28 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>62' 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 2 1/2 INCHES. (NO BB)  
2nd Open: VERY WEAK SURFACE BLOW, BUILDING, REACHING BOB 27 1/2 MIN. (NO BB)

Recovered 115 ft. of GAS IN PIPE  
Recovered 240 ft. of VSMCO, 99% OIL, 1% MUD  
Recovered 20 ft. of SMCO, 92% OIL, 8% MUD  
Recovered 60 ft. of HOCM, 45% OIL, 55% MUD

Recovered <u>320</u> ft. of <u>TOTAL FLUID</u>	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 25% OIL, 75% MUD	Total

Time Set Packer(s) 5:22 PM A.M. P.M. Time Started Off Bottom 8:57 PM A.M. P.M. Maximum Temperature 121 deg.

Initial Hydrostatic Pressure..... (A) 2077 P.S.I.  
Initial Flow Period..... Minutes 5 (B) 14 P.S.I. to (C) 48 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 1237 P.S.I.  
Final Flow Period..... Minutes 60 (E) 58 P.S.I. to (F) 127 P.S.I.  
Final Closed In Period..... Minutes 120 (G) 1178 P.S.I.  
Final Hydrostatic Pressure..... (H) 2076 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.