



**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: McDBro#1-14Dst#1

TIME ON: 01:14  
 TIME OFF: 07:44

Company Mull Drilling Lease & Well No. McDonald Brothers #1-14  
 Contractor WW Rig #10 Charge to Mull Drilling  
 Elevation 2202KB Formation Fort Scott Effective Pay -- Ft. Ticket No. SO500  
 Date 9-16-14 Sec. 14 Twp. 19 S Range 23 W County Ness State KANSAS  
 Test Approved By Kevin Kessler Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 4190 ft. to 4240 ft. Total Depth 4240 ft.

Packer Depth 4185 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 4190 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 4171 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4226 ft. Recorder Number 5586 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 50 Drill Collar Length 123 ft. I.D. 2 1/4 in.

Weight 8.9 Water Loss 9.6 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.

Chlorides 5400 P.P.M. Drill Pipe Length 4034 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out No Anchor Length 50(18.5a) ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Wsb - No build NOBB

2nd Open: No Blow - No build NOBB

Recovered 5 ft. of MUD 100% M

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

TOOL SAMPLE: 100% M

Time Set Packer(s) 3:44a.m. <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 5:49a.m. <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 112

Initial Hydrostatic Pressure..... (A) 2017 P.S.I.

Initial Flow Period..... Minutes 5 (B) 11 P.S.I. to (C) 11 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 25 P.S.I.

Final Flow Period..... Minutes 30 (E) 11 P.S.I. to (F) 12 P.S.I.

Final Closed In Period..... Minutes 60 (G) 21 P.S.I.

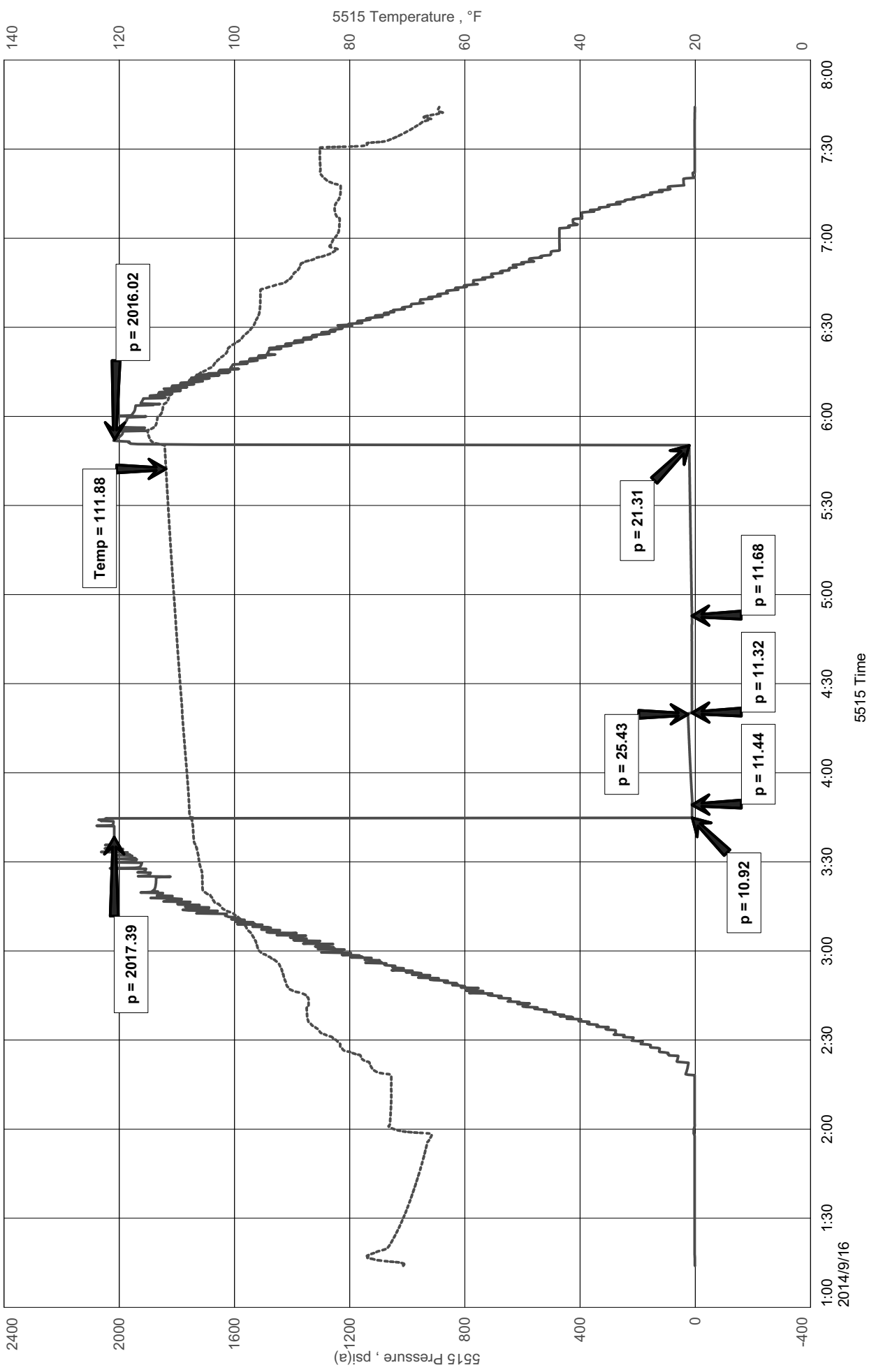
Final Hydrostatic Pressure..... (H) 2016 P.S.I.

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.

Mull Drilling  
Dst #1 Fort Scott 4190-4240'  
Start Test Date: 2014/09/16  
Final Test Date: 2014/09/16

McDonald Brothers #1-14  
Formation: Dst #1 Fort Scott 4190-4240'  
Pool: WC  
Job Number: SO500

# McDonald Brothers #1-14



# Diamond Testing LLC

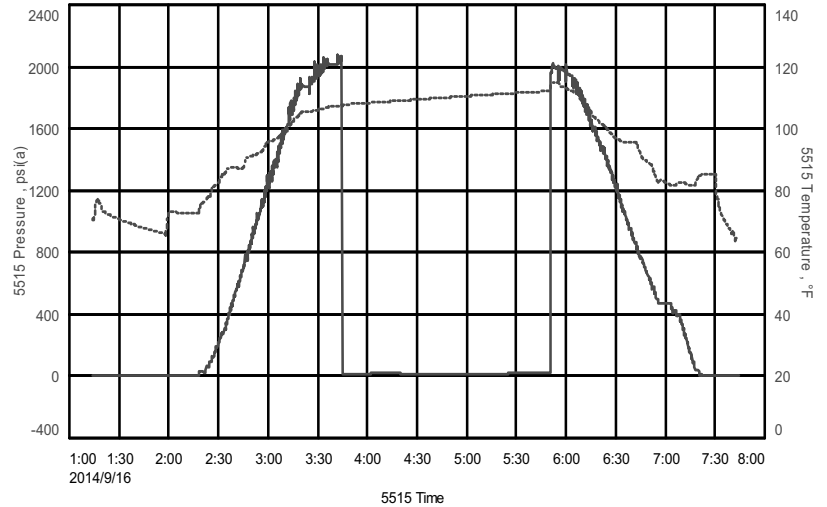
## General Information Report

Jacob McCallie  
620-617-7116  
mccallie.dtlc@gmail.com

### General Information

Company Name Mull Drilling  
Contact Mark Shreve  
Well Name McDonald Brothers #1-14  
Unique Well ID Dst #1 Fort Scott 4190-4240'  
Surface Location Sec14-19s-23w Ness County  
Field Pfaff  
Well Type Vertical  
Test Type Drill Stem Test  
Formation Dst #1 Fort Scott 4190-4240'  
Well Fluid Type 01 Oil  
Start Test Date 2014/09/16  
Start Test Time 01:14:00  
Final Test Date 2014/09/16  
Final Test Time 07:44:00  
Job Number SO500  
Representative Michael Carroll  
Report Date 2014/09/16  
Qualified By Kevin Kessler

### McDonald Brothers #1-14



### Test Results

RECOVERY: 5' MUD 100% M

TOOL SAMPLE: 100% M