



# Diamond Testing General Report

**JAKE  
FAHRENBRUCH - TESTER  
Cell: (620) 282-8977**

P.O. Box 157  
Hoisington KS 67544  
Office: (800) 542-7313

## General Information

<b>Company Name</b>	Mull Drilling Co., Inc.	<b>Well Name</b>	Haddon #2-35
<b>Well Operator</b>	Mull Drilling Co., Inc.	<b>Unique Well ID</b>	DST #4 Arbuckle 3465'-3543'
<b>Contact</b>	Mark Shreve	<b>Surface Location</b>	Sec 35-20s-13w-Barton Co.-KS
<b>Site Contact</b>	Chuck Schmaltz	<b>Test Unit</b>	#5
<b>Field</b>	Schaeffer-Rothgam	<b>Pool</b>	NA
<b>Well Type</b>	Vertical	<b>Job Number</b>	F182
<b>Prepared By</b>	Jake Fahrenbruch	<b>Qualified By</b>	Chuck Schmaltz

## Test Information

<b>Test Type</b>	Bottom-Hole w/J&J	<b>Test Purpose</b>	Initial Test
<b>Formation</b>	Arbuckle 3465'-3543'	<b>Gauge Name</b>	0062
<b>Start Test Date</b>	2013/09/29	<b>Start Test Time</b>	19:38:00
<b>Final Test Date</b>	2013/09/30	<b>Final Test Time</b>	01:48:00

## Test Results

5 minute initial flow period:	Surface blow, increased to 1" in bucket.
30 minute initial shut-in period:	No blowback.
30 minute final flow period:	Surface blow, increased to 1" in bucket.
60 minute final shut-in period:	No blowback.

### Recovered:

5'	Free Oil
10'	SOCM 8% O, 92% M
-----	Total Recovered Fluid: 15'
-----	Bottom-Hole Temp: 99 Deg F

### Pressures:

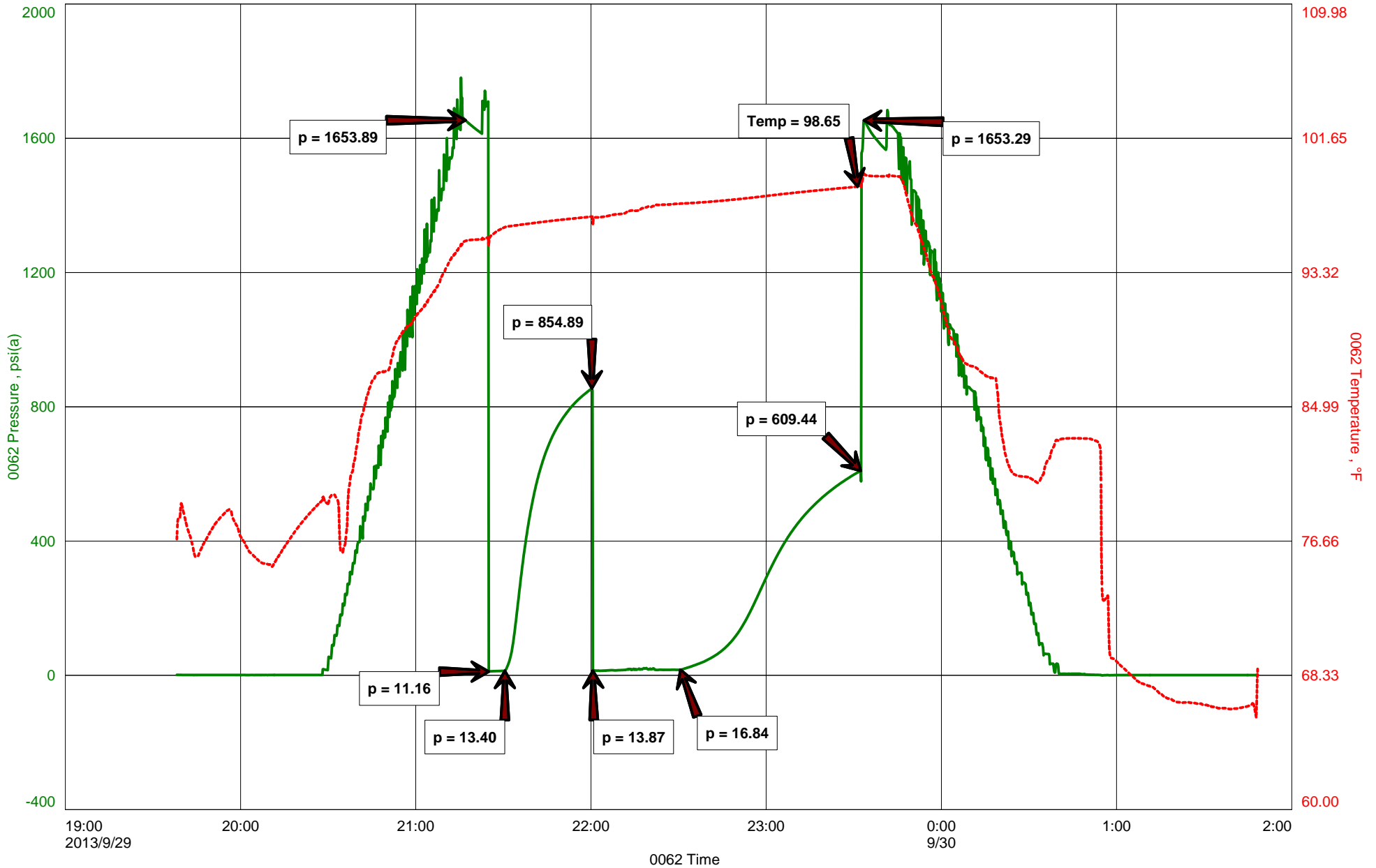
IHP:	1654
IFP:	11 - 13
ISIP:	855
FFP:	14 - 17
FSIP:	609
FHP:	1653

Thanks!

Mull Drilling Co., Inc.  
DST #4 Arbuckle 3465'-3543'  
Start Test Date: 2013/09/29  
Final Test Date: 2013/09/30

Haddon #2-35  
Formation: Arbuckle 3465'-3543'  
Pool: NA  
Job Number: F182

# Haddon #2-35





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: HADDON2DST4

TIME ON: 7:38 PM 9-29  
TIME OFF: 1:48 AM 9-30

Company Mull Drilling Co., Inc. Lease & Well No. Haddon #2-35  
Contractor Duke Drilling Rig #8 Charge to Mull Drilling Co., Inc.  
Elevation 1876' KB Formation Arbuckle Effective Pay \_\_\_\_\_ Ft. Ticket No. F182  
Date 9-29-13 Sec. 35 Twp. 20 S Range 13 W County Barton State KANSAS  
Test Approved By Chuck Schmaltz Diamond Representative Jake Fahrenbruch

Formation Test No. FOUR Interval Tested from 3465 ft. to 3543 ft. Total Depth 3543 ft.  
Packer Depth 3460 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3465 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3446 ft. Recorder Number 0062 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 3471 ft. Recorder Number 5951 Cap. 5,000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 56 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 9.2 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 8000 P.P.M. Drill Pipe Length 3432 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number #5 (J&J) Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 78 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>12'perf, 4'top, 8'btm</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Surface blow, increased to 1" in bucket. No blowback.  
2nd Open: Surface blow, increased to 1". No blowback.

Recovered <u>5</u> ft. of <u>Free Oil</u>	
Recovered <u>10</u> ft. of <u>SOCM</u> <u>8% O, 92% M</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>Total Recovered Fluid: 15'</u>	Insurance
	Total

Time Set Packer(s) 9:25 PM <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 11:30 PM <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 99 Deg F

Initial Hydrostatic Pressure..... (A) 1654 P.S.I.  
Initial Flow Period..... Minutes 5 (B) 11 P.S.I. to (C) 13 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 855 P.S.I.  
Final Flow Period..... Minutes 30 (E) 14 P.S.I. to (F) 17 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 609 P.S.I.  
Final Hydrostatic Pressure..... (H) 1653 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.