



# Diamond Testing General Report

**JAKE  
FAHRENBRUCH - TESTER  
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## General Information

<b>Company Name</b>	Mull Drilling Co Inc	<b>Well Name</b>	Foos Trust Unit #1-27
<b>Well Operator</b>	Mull Drilling Co Inc	<b>Unique Well ID</b>	DST #2 Mississippian 4300'-4405'
<b>Contact</b>	Mark Shreve	<b>Surface Location</b>	Sec 27-17s-23w-Ness Co.-KS
<b>Site Contact</b>	Kevin Kessler	<b>Test Unit</b>	#5
<b>Field</b>	Wildcat	<b>Pool</b>	Wildcat
<b>Well Type</b>	Vertical	<b>Job Number</b>	F145
<b>Prepared By</b>	Jake Fahrenbruch	<b>Qualified By</b>	Kevin Kessler

## Test Information

<b>Test Type</b>	Conventional Bottom-Hole	<b>Test Purpose</b>	Initial Test
<b>Formation</b>	Mississippian 4300'-4405'	<b>Gauge Name</b>	0062
<b>Start Test Date</b>	2013/07/03	<b>Start Test Time</b>	03:39:00
<b>Final Test Date</b>	2013/07/03	<b>Final Test Time</b>	09:29:00

## Test Results

5 minute initial flow period:	Surface blow, increased to 1" in bucket.
30 minute initial shut-in period:	No blow.
30 minute final flow period:	Surface blow, blow died in 15 minutes.
60 minute final shut-in period:	No blow.

<b>Recovered:</b>	10' of Oil Cut Mud	8% oil, 92% mud
	Tool Sample: Oil Cut Mud,	12% oil, 88% mud

**Pressures:**

IHP:	2111
IFP:	16-20
ISIP:	884
FFP:	24-28
FSIP:	616
FHP:	2110

Bottom-Hole Temperature: 115 Deg F



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: foostrustunit1dst2

TIME ON: on loc. 03:20, batt. on 03:39  
TIME OFF: 09:29

Company Mull Drilling Co. Inc. Lease & Well No. Foos Trust Unit #1-27  
Contractor WW Drilling Co., Rig #10 Charge to Mull Drilling Co. Inc.  
Elevation 2377' KB Formation Mississippian Effective Pay \_\_\_\_\_ Ft. Ticket No. F145  
Date 7.3.2013 Sec. 27 Twp. \_\_\_\_\_ 17 S Range \_\_\_\_\_ 23 W County \_\_\_\_\_ Ness State KANSAS  
Test Approved By Kevin Kessler Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 4300 ft. to 4405 ft. Total Depth 4405 ft.  
Packer Depth 4295 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4300 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4279 ft. Recorder Number 0062 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4402 ft. Recorder Number 11033 Cap. 5,150 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 52 Drill Collar Length 124 ft. I.D. 2 1/4 in.  
Weight 9.2 Water Loss 9.2 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 6200 P.P.M. Drill Pipe Length 4143 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number #5 w/safety joint Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 105 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 8' perf in anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Surface blow, increased to 1" in bucket.

2nd Open: Surface blow, blow died in 15 minutes.

Recovered 10 ft. of Oil Cut Mud 8% oil, 92% mud  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks:	Price Job
Tool Sample: Oil Cut Mud, <u>12%</u> oil, <u>88%</u> mud	Other Charges
	Insurance
	Total

Time Set Packer(s) 05:45 A.M. P.M. Time Started Off Bottom 07:50 A.M. P.M. Maximum Temperature 115 Deg F

Initial Hydrostatic Pressure..... (A) 2111 P.S.I.  
Initial Flow Period..... Minutes 5 (B) 16 P.S.I. to (C) 20 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 884 P.S.I.  
Final Flow Period..... Minutes 30 (E) 24 P.S.I. to (F) 28 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 616 P.S.I.  
Final Hydrostatic Pressure..... (H) 2110 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 Co Inc  
DST #2 Mississippian 4300'-4405'  
Start Test Date: 2013/07/03  
Final Test Date: 2013/07/03

Foos Trust Unit #1-27  
Formation: Mississippian 4300'-4405'  
Pool: Wildcat  
Job Number: F145

# Foos Trust Unit #1-27

