



# 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>	Payne #1-26
<b>Well Operator</b>	Mull Drilling Co., Inc.	<b>Unique Well ID</b>	DST #1 Fort Scott 4290'-4350'
<b>Contact</b>	Mark Shreve	<b>Surface Location</b>	Sec 26-16s-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>	F147
<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>	Fort Scott 4290'-4350'	<b>Gauge Name</b>	0062
<b>Start Test Date</b>	2013/07/09	<b>Start Test Time</b>	22:13:00
<b>Final Test Date</b>	2013/07/10	<b>Final Test Time</b>	04:52:00

## Test Results

5 minute initial flow period:	Quarter inch blow.
30 minute initial shut-in period:	No blow.
30 minute final flow period:	No blow.
60 minute final shut-in period:	No blow.

**Recovered:** 4' Drilling Mud  
 ----- Tool Sample: 100% mud  
 ----- Bottom-Hole Temp: 118 Deg F

**Pressures:**  
 IHP: 2108  
 IFP: 10-12  
 ISIP: 144  
 FFP: 12-13  
 FSIP: 53  
 FHP: 2094



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: payne1dst1

TIME ON: on loc. 2150, batt. on 2213  
TIME OFF: 0452

Company Mull Drilling Co. Inc. Lease & Well No. Payne #1-26  
Contractor WW Drilling Co., Rig #10 Charge to Mull Drilling Co. Inc.  
Elevation 2418' KB Formation Fort Scott Effective Pay \_\_\_\_\_ Ft. Ticket No. F147  
Date 7.9&10.2013 Sec. 26 Twp. 16 S Range 23 W County Ness State KANSAS  
Test Approved By Kevin Kessler Diamond Representative Jake Fahrenbruch

Formation Test No. One Interval Tested from 4290 ft. to 4350 ft. Total Depth 4350 ft.  
Packer Depth 4285 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4290 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4269 ft. Recorder Number 0062 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4347 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 123 ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 8.8 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 4800 P.P.M. Drill Pipe Length 4134 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 60 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: Quarter inch blow.  
2nd Open: No blow.

Recovered 4 ft. of Drilling Mud  
Recovered \_\_\_\_\_ ft. of Tool Sample: 100% mud  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Remarks: _____	Other Charges
_____	Insurance
_____	Total

Time Set Packer(s) 0022 A.M. P.M. Time Started Off Bottom 0227 A.M. P.M. Maximum Temperature 118 Deg F  
Initial Hydrostatic Pressure..... (A) 2108 P.S.I.  
Initial Flow Period..... Minutes 5 (B) 10 P.S.I. to (C) 12 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 144 P.S.I.  
Final Flow Period..... Minutes 30 (E) 12 P.S.I. to (F) 13 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 53 P.S.I.  
Final Hydrostatic Pressure..... (H) 2094 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 #1 Fort Scott 4290'-4350'  
Start Test Date: 2013/07/09  
Final Test Date: 2013/07/10

Payne #1-26  
Formation: Fort Scott 4290'-4350'  
Pool: Wildcat  
Job Number: F147

# Payne #1-26

