



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: brownt1-12dst3

TIME ON: 14:44  
TIME OFF: 22:59

Company Mull Drilling Co Inc Lease & Well No. Brown Trust #1-12  
Contractor Duke Drilling - Rig #4 Charge to Mull Drilling Co Inc  
Elevation 2945 KB Formation \_\_\_\_\_ Lsg "J" zn Effective Pay \_\_\_\_\_ Ft. Ticket No. S0384  
Date 9-26-13 Sec. 12 Twp. 16 S Range 32 W County Scott State KANSAS  
Test Approved By Kevin Kessler Diamond Representative Jacob McCallie

Formation Test No. 3 Interval Tested from 4175 ft. to 4215 ft. Total Depth 4215 ft.

Packer Depth 4170 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Packer Depth 4175 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 4156 ft. Recorder Number 8471 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4212 ft. Recorder Number 3851 Cap. 5,700 P.S.I.

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

Mud Type CHEMICAL Viscosity 54 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.

Weight 9.3 Water Loss 8.0 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.

Chlorides 3,000 P.P.M. Drill Pipe Length 4142 ft. I.D. 3 1/2 in.

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

Did Well Flow? NO Reversed Out NO Anchor Length 40 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: 1/2" Blow- Built to 5 1/2" in 5 min **NOBB**

2nd Open: 1/2" Blow- Built to BB in 14 min **NOBB**

Recovered 253 ft. of HMCW 55% W 45% M

Recovered 315 ft. of SLMCW 83% W 17% M

Recovered 568 ft. of TOTAL FLUID

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

Recovered \_\_\_\_\_ ft. of PH: 7 Price Job \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of RW: .2 @ 80 degrees F Other Charges \_\_\_\_\_

Remarks: CHLORIDES: 29,000 ppm Insurance \_\_\_\_\_

Tool Sample: 81% W 19% M Total \_\_\_\_\_

Time Set Packer(s) 4:43 PM A.M. P.M. Time Started Off Bottom 8:18 PM A.M. P.M. Maximum Temperature 123

Initial Hydrostatic Pressure..... (A) 2022 P.S.I.

Initial Flow Period..... Minutes 5 (B) 14 P.S.I. to (C) 38 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 1109 P.S.I.

Final Flow Period..... Minutes 60 (E) 45 P.S.I. to (F) 262 P.S.I.

Final Closed In Period..... Minutes 120 (G) 1103 P.S.I.

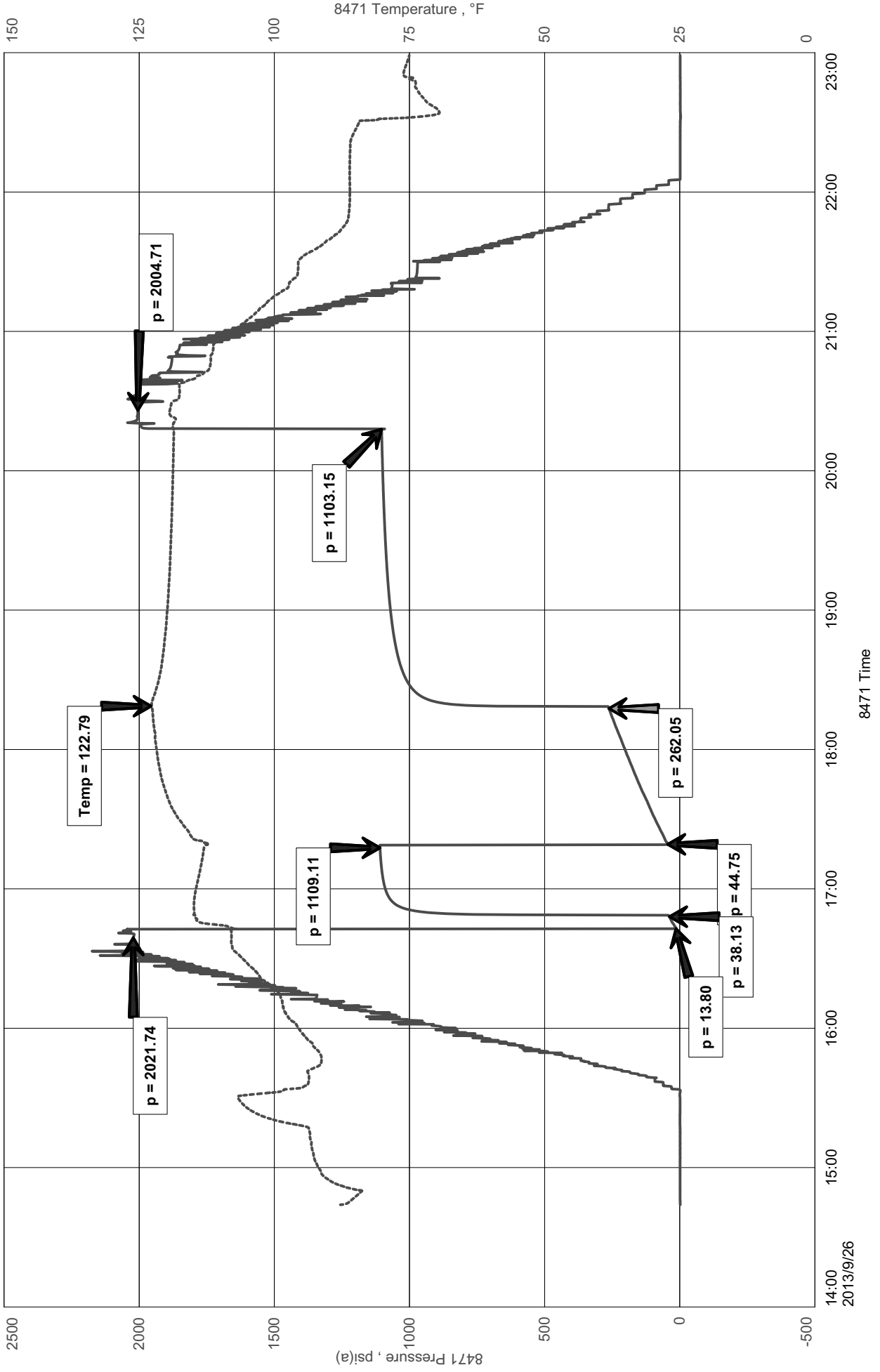
Final Hydrostatic Pressure..... (H) 2005 P.S.I.

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 #3 Lan J 4175-4215'  
Start Test Date: 2013/09/26  
Final Test Date: 2013/09/26

Brown Trust #1-12  
Formation: DST #3 Lan J 4175-4215'  
Pool: Wildcat  
Job Number: S0384

# Brown Trust #1-12



# Diamond Testing

## General information Report

### General Information

Company Name Mull Drilling Co. Inc.

Contact	Mark Shreve	Job Number	S0384
Well Name	Brown Trust #1-12	Representative	Jacob McCallie
Unique Well ID	DST #3 Lan J 4175-4215'	Well Operator	Mull Drilling Co. Inc.
Surface Location	SEC 12-16S-32W Scott County	Report Date	2013/09/26
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #3 Lan J 4175-4215'		
Well Fluid Type	06 Water	Start Test Time	14:44:00
		Final Test Time	22:59:00
Start Test Date	2013/09/26		
Final Test Date	2013/09/26		
Gauge Name	8471		
Gauge Serial Number			

### Test Results

#### RECOVERED:

253'	HMCW	55% W 45% M
315'	SLMCW	83% W 17% M
568'	TOTAL FLUID	

PH: 7

RW: .2 @ 80 degrees F

Chlorides: 29,000 ppm

#### TOOL SAMPLE:

81% W 19% M