



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: brownt1-12dst5

TIME ON: 9-28 18:24
TIME OFF: 9-29 01:15

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 Altamont/Pawnee Effective Pay -- Ft. Ticket No. S0386
Date 9-28-13 Sec. 12 Twp. 16 S Range 32 W County Scott State KANSAS
Test Approved By Kevin Kessler Diamond Representative Jacob McCallie

Formation Test No. 5 Interval Tested from 4370 ft. to 4450 ft. Total Depth 4450 ft.

Packer Depth 4365 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 4370 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4351 ft. Recorder Number 8471 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4447 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 45 Drill Collar Length -- ft. I.D. 2 1/4 in.

Weight 9.3 Water Loss 6.4 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.

Chlorides 3,000 P.P.M. Drill Pipe Length 4337 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 80 (18.5p) 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: 1/4" Blow-No build. **NOBB**

2nd Open: No blow. No build. **NOBB**

Recovered 5 ft. of SLOCM 18% O 82% M

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Tool Sample: 23% O 77% M Total _____

Time Set Packer(s) 8:47 P.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 10:52 PM ^{A.M.}/_{P.M.} Maximum Temperature 116

Initial Hydrostatic Pressure..... (A) 2129 P.S.I.

Initial Flow Period..... Minutes 5 (B) 8 P.S.I. to (C) 10 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 726 P.S.I.

Final Flow Period..... Minutes 30 (E) 10 P.S.I. to (F) 10 P.S.I.

Final Closed In Period..... Minutes 60 (G) 720 P.S.I.

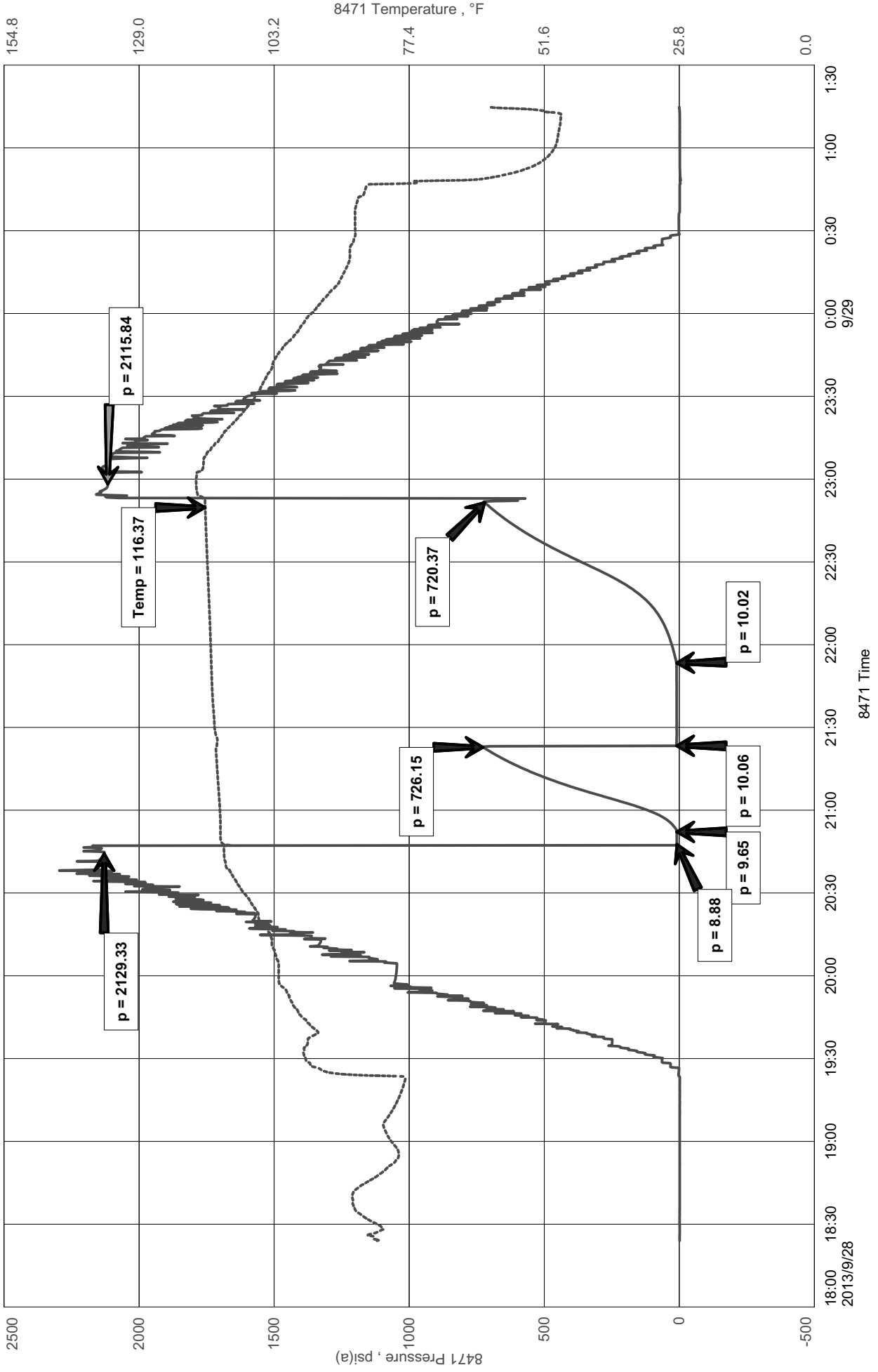
Final Hydrostatic Pressure..... (H) 2116 P.S.I.

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 #5 Altamont/Pawnee 4370-4450'
Start Test Date: 2013/09/28
Final Test Date: 2013/09/29

Brown Trust #1-12
Formation: DST #5 Altamont/Pawnee 4370-4450'
Pool: Wildcat
Job Number: S0386

Brown Trust #1-12



Diamond Testing

General information Report

General Information

Company Name Mull Drilling Co. Inc.

Contact	Kevin Kessler	Job Number	S0386
Well Name	Brown Trust #1-12	Representative	Jacob McCallie
Unique Well ID	DST #5 Altamont/Pawnee 4370-4450'	Well Operator	Mull Drilling Co. Inc.
Surface Location	SEC 12-16S-32W Scott County	Report Date	
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #5 Altamont/Pawnee 4370-4450'		
Well Fluid Type	01 Oil	Start Test Time	18:24:00
		Final Test Time	01:15:00
Start Test Date	2013/09/28		
Final Test Date	2013/09/29		
Gauge Name	8471		
Gauge Serial Number			

Test Results

RECOVERED:
5' SLOCM 18% O 82% M

TOOL SAMPLE:
23% O 77% M