



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: lutt1-24dst1

TIME ON: 8-19 18:34
TIME OFF: 8-20 00:52

Company Mull Drilling Co. Inc. Lease & Well No. Lutters #1-24
Contractor WW Rig #10 Charge to Mull Drilling Co. Inc.
Elevation 2311 KB Formation Ft. Scott Effective Pay -- Ft. Ticket No. S0371
Date 8-19-13 Sec. 24 Twp. 15 S Range 24 W County Trego State KANSAS
Test Approved By Kevin Kessler Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 4160 ft. to 4220 ft. Total Depth 4220 ft.

Packer Depth 4155 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 4160 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4141 ft. Recorder Number 8471 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4160 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 55 Drill Collar Length 124 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 8.0 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in

Chlorides 3,200 P.P.M. Drill Pipe Length 4003 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 60 (28.5p) 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: WSB- No Build NOBB

2nd Open: No Blow- No Build NOBB

Recovered 5 ft. of SLOSM 100% M (few oil specks)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Tool Sample: 100% M (few oil specks) Total _____

Time Set Packer(s) 8:30 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 10:35 PM ^{A.M.}/_{P.M.} Maximum Temperature 118

Initial Hydrostatic Pressure..... (A) 2009 P.S.I.

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

Initial Closed In Period..... Minutes 30 (D) 73 P.S.I.

Final Flow Period..... Minutes 30 (E) 9 P.S.I. to (F) 10 P.S.I.

Final Closed In Period..... Minutes 60 (G) 39 P.S.I.

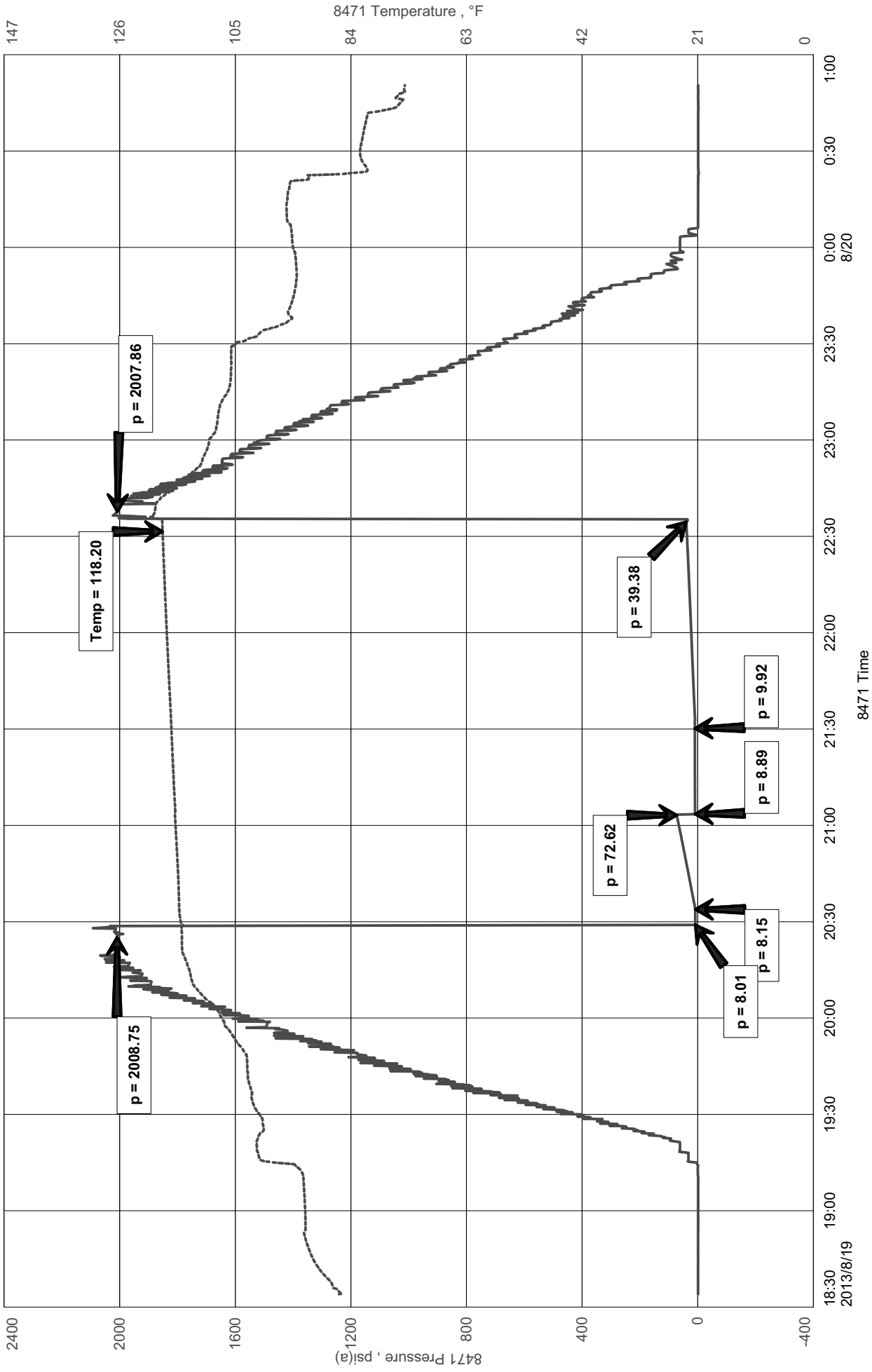
Final Hydrostatic Pressure..... (H) 2008 P.S.I.

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 Ft. Scott 4160-4220'
Start Test Date: 2013/08/19
Final Test Date: 2013/08/20

Lutters #1-24
Formation: DST #1 Ft. Scott 4160-4220'
Pool: Wildcat
Job Number: S0371

Lutters #1-24



Diamond Testing

General information Report

General Information

Company Name Mull Drilling Co. Inc.

Contact	Mark Shreve	Job Number	S0371
Well Name	Lutters #1-24	Representative	Jacob McCallie
Unique Well ID	DST #1 Ft. Scott 4160-4220'	Well Operator	Mull Drilling Co. Inc.
Surface Location	SEC 24-15S-24W Trego County	Report Date	2013/08/19
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #1 Ft. Scott 4160-4220'		
Well Fluid Type	01 Oil	Start Test Time	18:34:00
		Final Test Time	00:52:00
Start Test Date	2013/08/19		
Final Test Date	2013/08/20		
Gauge Name	8471		
Gauge Serial Number			

Test Results

RECOVERED:
5' SLOSM 100% M (few oil specks)

TOOL SAMPLE:
100% M (few oil specks)