



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: lutt1-24dst3

TIME ON: 8-20 23:31
TIME OFF: 8-21 08:11

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 _____ Miss Effective Pay _____ -- Ft. Ticket No. S0373
Date 8-21-13 Sec. 24 Twp. _____ 15 S Range _____ 24 W County _____ Trego State KANSAS
Test Approved By Kevin Kessler Diamond Representative Jacob McCallie

Formation Test No. 3 Interval Tested from 4300 ft. to 4310 ft. Total Depth 4310 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) 4281 ft. Recorder Number 8471 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4307 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 52 Drill Collar Length 124 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length _____ -- ft. I.D. 2 7/8 in.
Chlorides 3,800 P.P.M. Drill Pipe Length 4143 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 10 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- Built to 1/4" in 5 min **NOBB**
2nd Open: No Blow- Built to 1 1/4" in 60 min **NOBB**

Recovered 90 ft. of OSHMCW 1% O 62% W 37% M
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of PH: 7
Recovered _____ ft. of RW: .55 @ 68 degrees F Price Job _____
Recovered _____ ft. of Chlorides: 10,000 ppm Other Charges _____
Remarks: _____ Insurance _____
Tool Sample: 10% W 90% M Total _____

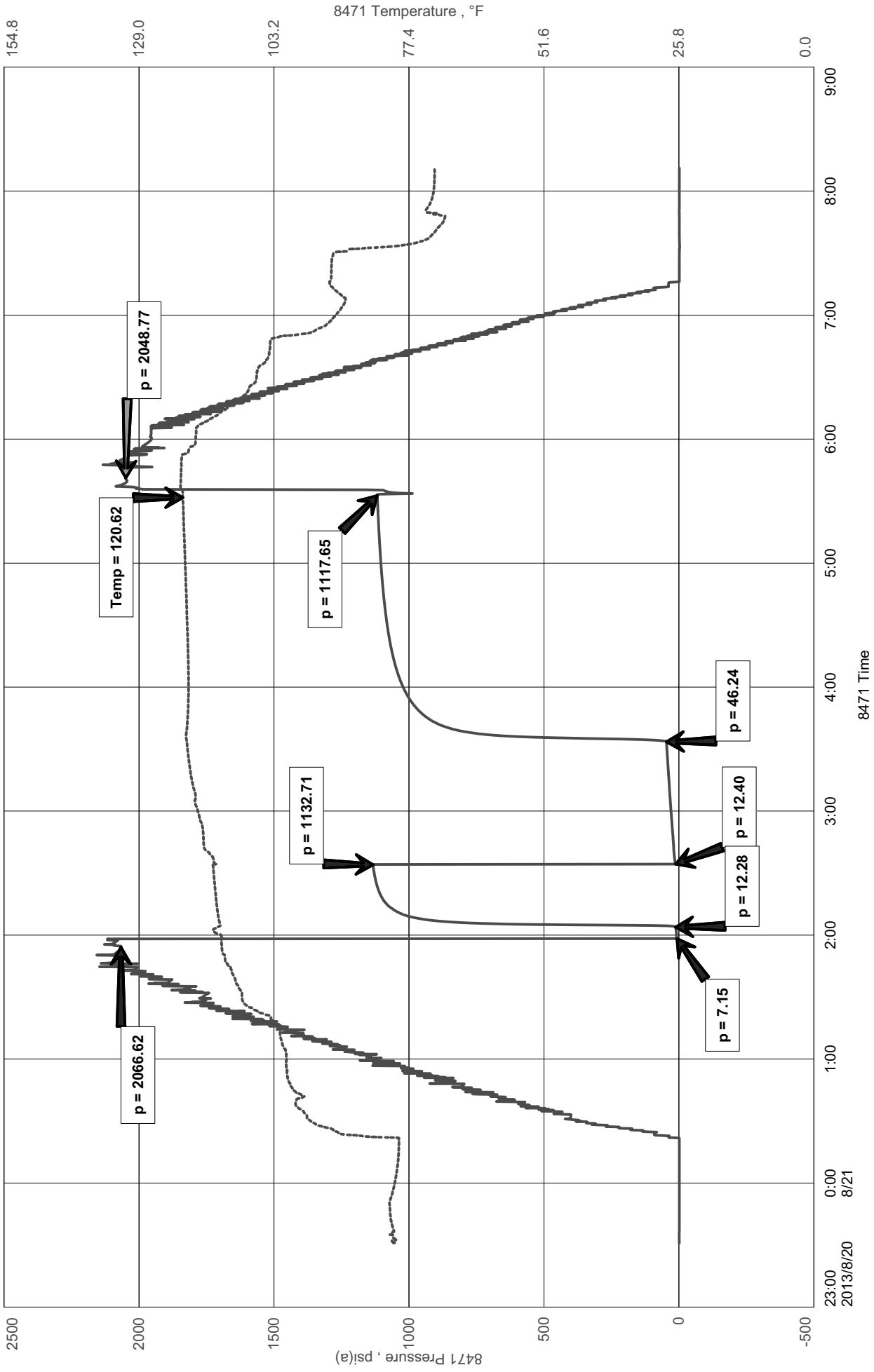
Time Set Packer(s) 1:58 AM A.M. P.M. Time Started Off Bottom 5:33 AM A.M. P.M. Maximum Temperature 121
Initial Hydrostatic Pressure..... (A) 2067 P.S.I.
Initial Flow Period..... Minutes 5 (B) 7 P.S.I. to (C) 12 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1133 P.S.I.
Final Flow Period..... Minutes 60 (E) 12 P.S.I. to (F) 46 P.S.I.
Final Closed In Period..... Minutes 120 (G) 1118 P.S.I.
Final Hydrostatic Pressure..... (H) 2049 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 Miss 4300-4310'
Start Test Date: 2013/08/20
Final Test Date: 2013/08/21

Lutters #1-24
Formation: DST #3 Miss 4300-4310'
Pool: Wildcat
Job Number: S0373

Lutters #1-24



Diamond Testing

General information Report

General Information

Company Name Mull Drilling Co. Inc.

Contact	Mark Shreve	Job Number	S0373
Well Name	Lutters #1-24	Representative	Jacob McCallie
Unique Well ID	DST #3 Miss 4300-4310'	Well Operator	Mull Drilling Co. Inc.
Surface Location	SEC 24-15S-24W Trego County	Report Date	2013/08/21
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #3 Miss 4300-4310'		
Well Fluid Type	06 Water	Start Test Time	23:31:00
		Final Test Time	08:11:00
Start Test Date	2013/08/20		
Final Test Date	2013/08/21		
Gauge Name	8471		
Gauge Serial Number			

Test Results

RECOVERED:
90' OSHMCW 1% O 62% W 37% M

PH: 7
RW: .55 @ 68 degrees F
CHLORIDES: 10,000 ppm

TOOL SAMPLE:
10% W 90% M