

DIAMOND TESTING

General Information Report

General Information

Company Name MULL DRILLING COMPANY, INC.
Contact MARK SHREVE
Well Name RUFENACHT #1-11
Unique Well ID DST #1, FT. SCOTT, 4340-4400
Surface Location SEC 11-17S-24W, NESS CO. KS.
Field YOST
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #1, FT. SCOTT, 4340-4400
Well Fluid Type 01 Oil

Start Test Date 2014/02/13
Final Test Date 2014/02/13

Representative TIM VENTERS
Well Operator MULL DRILLING COMPANY, INC.
Report Date 2014/02/13
Prepared By TIM VENTERS
Qualified By KEVIN KESSLER

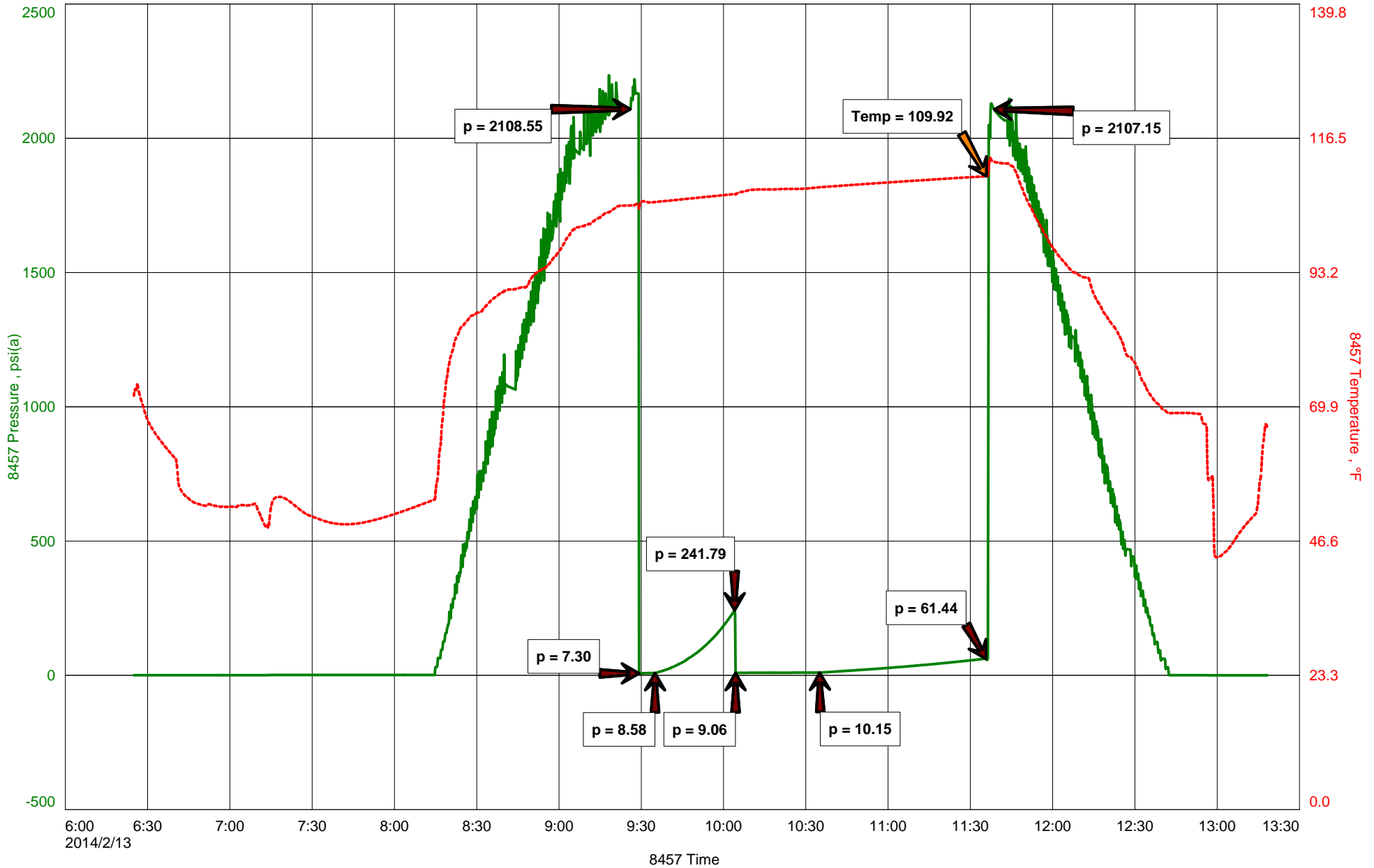
Start Test Time 06:25:00
Final Test Time 13:18:00

Test Recovery:

RECOVERED: 5' M W/SP. O, SPOTTY OIL, 100% MUD

TOOL SAMPLE: TRACE OIL, 100% MUD

RUFENACHT #1-11





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RUFENACHT1-11DST1

TIME ON: 06:25
TIME OFF: 13:18

Company MULL DRILLING COMPANY, INC. Lease & Well No. RUFENACHT #1-11
Contractor DUKE DRILLING COMPANY, INC. RIG #8 Charge to MULL DRILLING COMPANY, INC.
Elevation 2488 KB Formation FT. SCOTT Effective Pay _____ Ft. Ticket No. T311
Date 2-13-14 Sec. 11 Twp. 17 S Range 24 W County NESS State KANSAS
Test Approved By KEVIN KESSLER Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 4340 ft. to 4400 ft. Total Depth 4400 ft.
Packer Depth 4335 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4340 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4321 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4397 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 61 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 4,800 P.P.M. Drill Pipe Length 4307 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 28 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{32' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK SURFACE BLOW, BUILDING TO 1/4 INCH. (NO BB)
2nd Open: VERY WEAK SURFACE BLOW LASTING 3 MIN. (NO BB)

Recovered <u>5</u> ft. of <u>M W/SP. O, SPOTTY OIL, 100% MUD</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>TRACE OIL, 100% MUD</u>	Total

Time Set Packer(s) 9:28 AM ^{A.M.} P.M. Time Started Off Bottom 11:33 AM ^{A.M.} P.M. Maximum Temperature 110 deg.
Initial Hydrostatic Pressure..... (A) 2109 P.S.I.
Initial Flow Period..... Minutes 5 (B) 7 P.S.I. to (C) 9 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 242 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) 61 P.S.I.
Final Hydrostatic Pressure..... (H) 2107 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.