

DIAMOND TESTING

General Information Report

General Information

Company Name MULL DRILLING COMPANY, INC.
Contact MARK SHREVE
Well Name HENNING-MCDONALD UNIT #1-21
Unique Well ID DST #1, FT. SCOTT, 4200-4260
Surface Location SEC 21-15S-23W, TREGO CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #1, FT. SCOTT, 4200-4260
Well Fluid Type 01 Oil

Start Test Date 2013/11/14
Final Test Date 2013/11/14

Representative TIM VENTERS
Well Operator MULL DRILLING COMPANY, INC.
Report Date 2013/11/14
Prepared By TIM VENTERS
Qualified By KEVIN KESSLER

Start Test Time 04:48:00
Final Test Time 11:13:00

Test Recovery:

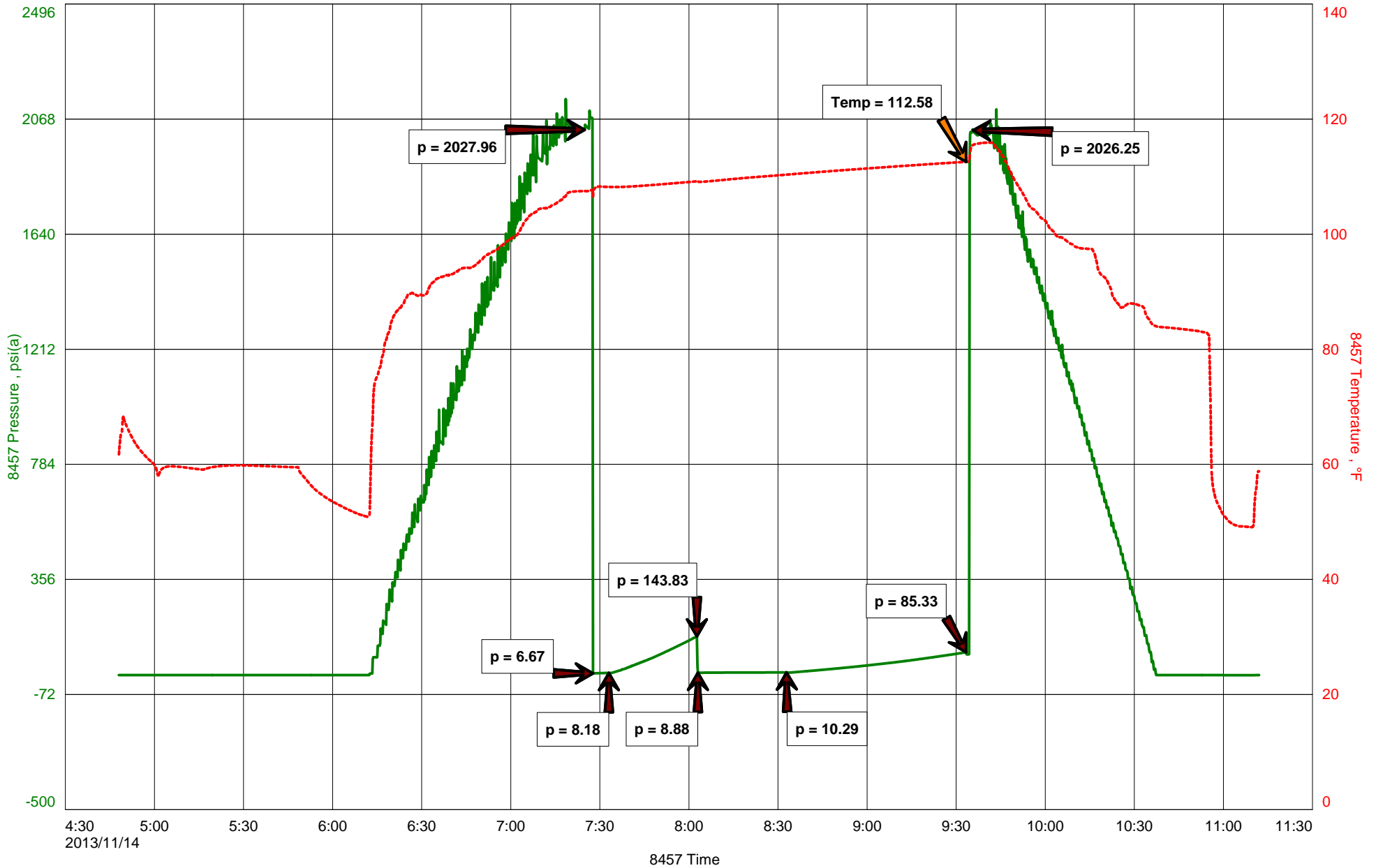
RECOVERED: 5' MW/SP O, SPOTTY OIL, 100% MUD

TOOL SAMPLE: SPOTTY OIL, 100% MUD

MULL DRILLING COMPANY, INC.
DST #1, FT. SCOTT, 4200-4260
Start Test Date: 2013/11/14
Final Test Date: 2013/11/14

HENNING-MCDONALD UNIT #1-21
Formation: DST #1, FT. SCOTT, 4200-4260
Pool: WILDCAT
Job Number: T280

HENNING-MCDONALD UNIT #1-21





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

TIME ON: 04:48
TIME OFF: 11:13

DRILL-STEM TEST TICKET
FILE: HENNING-MCDONALDUNIT1-21DST1

Company MULL DRILLING COMPANY, INC. Lease & Well No. HENNING-MCDONALD UNIT #1-21
Contractor WW DRILLING, LLC RIG #10 Charge to MULL DRILLING COMPANY, INC.
Elevation 2352 KB Formation FT. SCOTT Effective Pay _____ Ft. Ticket No. T280
Date 11-14-13 Sec. 21 Twp. 15 S Range 23 W County TREGO State KANSAS
Test Approved By KEVIN KESSLER Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 4200 ft. to 4260 ft. Total Depth 4260 ft.
Packer Depth 4195 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4200 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4181 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4257 ft. Recorder Number 11030 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 53 Drill Collar Length 124 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 6.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,800 P.P.M. Drill Pipe Length 4043 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 29 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{31' 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 15-20 MIN. (NO BB)

Recovered <u>5</u> ft. of <u>MW/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>SPOTTY OIL, 100% MUD</u>	Total

Time Set Packer(s) 7:27 AM ^{A.M.} P.M. Time Started Off Bottom 9:32 AM ^{A.M.} P.M. Maximum Temperature 113 deg.
Initial Hydrostatic Pressure..... (A) 2028 P.S.I.
Initial Flow Period..... Minutes 5 (B) 7 P.S.I. to (C) 8 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 144 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) 85 P.S.I.
Final Hydrostatic Pressure..... (H) 2065 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.