

DIAMOND TESTING

General Information Report

General Information

Company Name MULL DRILLING COMPANY, INC.
Contact MARK SHREVE
Well Name CURTIS UNIT #2-31
Unique Well ID DST #5, FT. SCOTT, 4260-4330
Surface Location SEC 31-15S-26W, GOVE CO. KS.
Field HORCHEM WEST
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #5, FT. SCOTT, 4260-4330
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator MULL DRILLING COMPANY, INC.
Report Date 2014/04/22
Prepared By TIM VENTERS
Qualified By KEVIN KESSLER

Start Test Date 2014/04/21
Final Test Date 2014/04/22

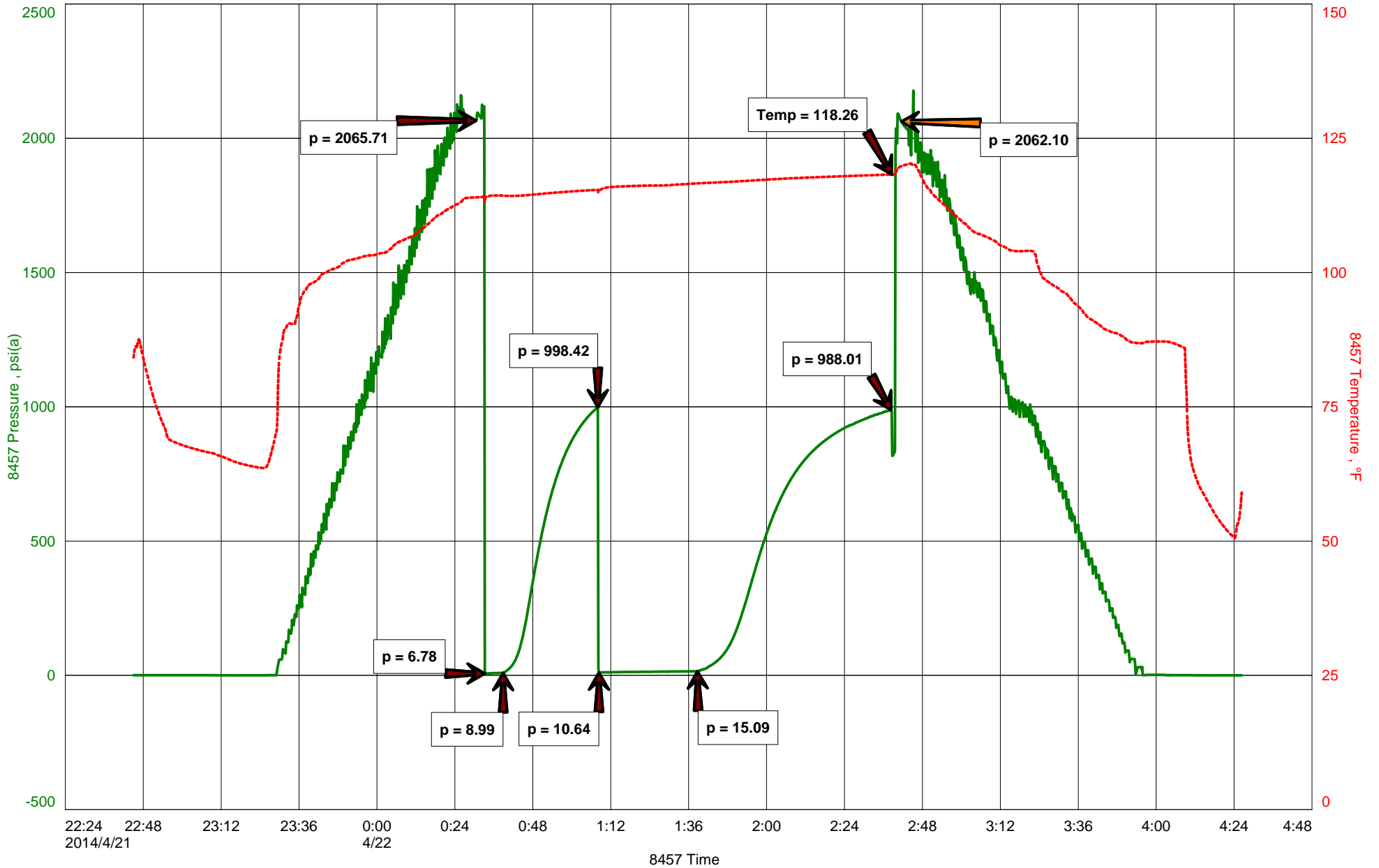
Start Test Time 22:45:00
Final Test Time 04:27:00

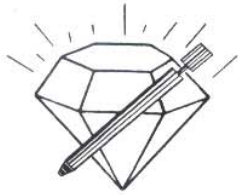
Test Recovery:

RECOVERED: 10' MUD

TOOL SAMPLE: SPECKS OIL, 100% MUD

CURTIS UNIT #2-31





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: CURTISUNIT2-31DST5

TIME ON: 22:45 4-21-14
TIME OFF: 04:27 4-22-14

Company MULL DRILLING COMPANY, INC. Lease & Well No. CURTIS UNIT #2-31
Contractor WW DRILLING, LLC RIG #10 Charge to MULL DRILLING COMPANY, INC.
Elevation 2513 KB Formation FT. SCOTT Effective Pay _____ Ft. Ticket No. T338
Date 4-22-14 Sec. 31 Twp. _____ 15 S Range _____ 26 W County GOVE State KANSAS
Test Approved By KEVIN KESSLER Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 5 Interval Tested from 4260 ft. to 4330 ft. Total Depth 4330 ft.
Packer Depth 4255 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4260 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4241 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4327 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 51 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 7.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,200 P.P.M. Drill Pipe Length 4104 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 38 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>10</u> ft. of <u>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>SPECKS OIL, 100% MUD</u>	Total

Time Set Packer(s) 12:33 AM ^{A.M.} P.M. Time Started Off Bottom 2:38 AM ^{A.M.} P.M. Maximum Temperature 118 deg.
Initial Hydrostatic Pressure..... (A) 2066 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) 998 P.S.I.
Final Flow Period..... Minutes 30 (E) 11 P.S.I. to (F) 15 P.S.I.
Final Closed In Period..... Minutes 60 (G) 988 P.S.I.
Final Hydrostatic Pressure..... (H) 2062 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.