

DIAMOND TESTING

General Information Report

General Information

Company Name MULL DRILLING COMPANY, INC.
Contact MARK SHREVE
Well Name HAKANSON #1-10
Unique Well ID DST #5, MISSISSIPPIAN, 4190-4275
Surface Location SEC 10-15S-27W, GOVE CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #5, MISSISSIPPIAN, 4190-4275
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator MULL DRILLING COMPANY, INC.
Report Date 2013/07/04
Prepared By TIM VENTERS
Qualified By KENT MATSON

Start Test Date 2013/07/04
Final Test Date 2013/07/04

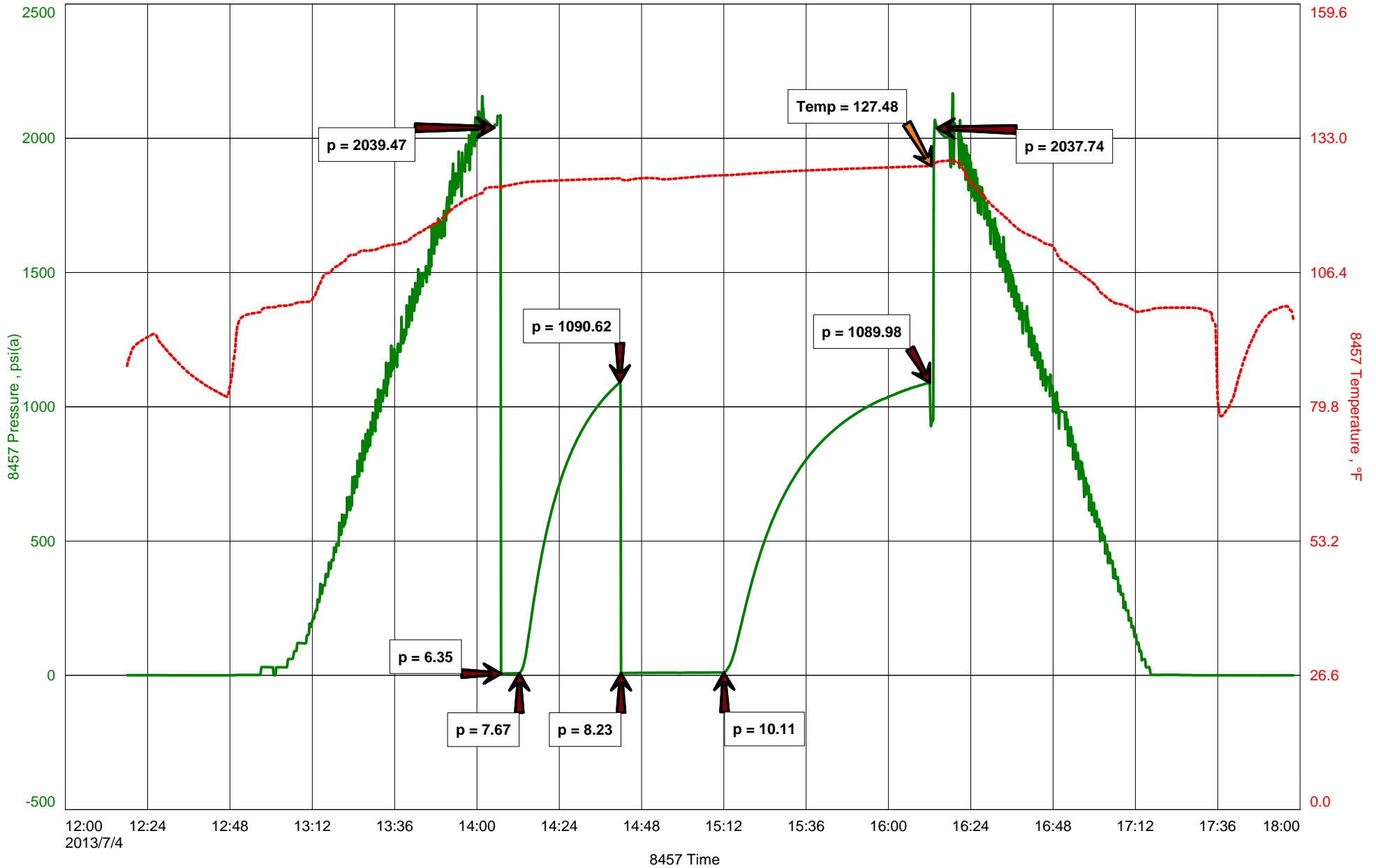
Start Test Time 12:18:00
Final Test Time 17:59:00

Test Recovery:

RECOVERED: 10' VSOCM, 1% OIL, 99% MUD

TOOL SAMPLE: 6% OIL, 94% MUD

HAKANSON #1-10





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HAKANSON1-10DST5

TIME ON: 12:18
TIME OFF: 17:59

Company MULL DRILLING COMPANY, INC. Lease & Well No. HAKANSON #1-10
Contractor DUKE DRILLING CO., INC. RIG #4 Charge to MULL DRILLING COMPANY, INC.
Elevation 2458 KB Formation MISSISSIPPIAN Effective Pay _____ Ft. Ticket No. T234
Date 7-4-13 Sec. 10 Twp. _____ 15 S Range _____ 27 W County GOVE State KANSAS
Test Approved By KENT MATSON Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 5 Interval Tested from 4190 ft. to 4275 ft. Total Depth 4275 ft.
Packer Depth 4185 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4190 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4171 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4272 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 61 Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 8.8 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 4,000 P.P.M. Drill Pipe Length 4157 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 22 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{61' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

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

Recovered <u>10</u> ft. of <u>VSOCM, 1% OIL, 99% 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>6% OIL, 94% MUD</u>	Total

Time Set Packer(s) 2:06 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 4:11 PM ^{A.M.}/_{P.M.} Maximum Temperature 127 deg.
Initial Hydrostatic Pressure..... (A) 2039 P.S.I.
Initial Flow Period..... Minutes 5 (B) 6 P.S.I. to (C) 8 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1091 P.S.I.
Final Flow Period..... Minutes 30 (E) 8 P.S.I. to (F) 10 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1090 P.S.I.
Final Hydrostatic Pressure..... (H) 2038 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.