

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 #3, LANSING "J&K", 3890-3946
Surface Location SEC 10-15S-27W, GOVE CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #3, LANSING "J&K", 3890-3946
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator MULL DRILLING COMPANY, INC.
Report Date 2013/07/02
Prepared By TIM VENTERS
Qualified By KENT MATSON

Start Test Date 2013/07/02
Final Test Date 2013/07/02

Start Test Time 13:29:00
Final Test Time 20:13:00

Test Recovery:

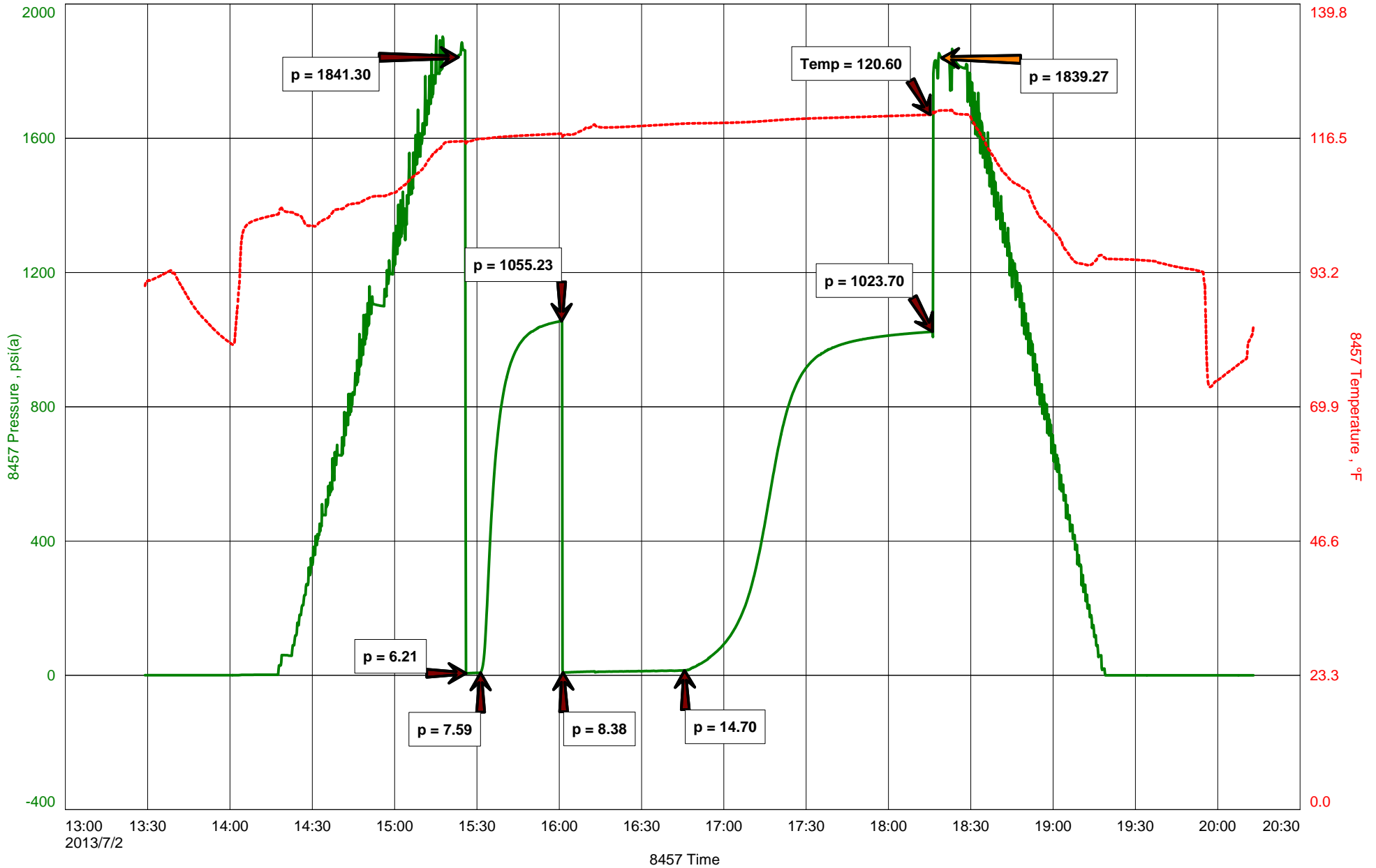
RECOVERED: 20' VSOCM 3% OIL, 97% MUD

TOOL SAMPLE: 9% OIL, 91% MUD

MULL DRILLING COMPANY, INC.
DST #3, LANSING "J&K", 3890-3946
Start Test Date: 2013/07/02
Final Test Date: 2013/07/02

HAKANSON #1-10
Formation: DST #3, LANSING "J&K", 3890-3946
Pool: WILDCAT
Job Number: T232

HAKANSON #1-10





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HAKANSON1-10DST3

TIME ON: 13:29
TIME OFF: 20:13

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 LANSING "J&K" Effective Pay _____ Ft. Ticket No. T232
Date 7-2-13 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. 3 Interval Tested from 3890 ft. to 3946 ft. Total Depth 3946 ft.
Packer Depth 3885 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3890 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3871 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3943 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 49 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 6.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,400 P.P.M. Drill Pipe Length 3857 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 25 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 1/2 INCH. (NO BB)
2nd Open: VERY WEAK SURFACE BLOW, BUILDING TO 4 INCHES. (NO BB)

Recovered 20 ft. of VSOCM, 3% OIL, 97% MUD
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	CHLORIDES: 25,000 ppm	Price Job
Recovered _____ ft. of _____	PH: 7.0	Other Charges
Remarks: _____	RW: .37 @ 67 deg.	Insurance
TOOL SAMPLE: 9% OIL, 91% MUD		Total

Time Set Packer(s) 3:25 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 6:15 PM ^{A.M.}/_{P.M.} Maximum Temperature 121 deg.
Initial Hydrostatic Pressure..... (A) 1841 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) 1055 P.S.I.
Final Flow Period..... Minutes 45 (E) 8 P.S.I. to (F) 15 P.S.I.
Final Closed In Period..... Minutes 90 (G) 1024 P.S.I.
Final Hydrostatic Pressure..... (H) 1839 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.