

# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30037.D025

Company Mull Drilling Company, Inc. Lease & Well No. Garvey "B" No. 2-13  
Elevation 2428 KB Formation Mississippi Effective Pay      Ft. Ticket No. M025  
Date 9-3-10 Sec. 13 Twp. 15S Range 27W County Gove State Kansas

Test Approved By Phil Askey Diamond Representative Michael Cochran

Formation Test No. 3 Interval Tested from 4,195 ft. to 4,280 ft. Total Depth 4,280 ft.

Packer Depth 4,190 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Packer Depth 4,195 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 4,184 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,277 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi

Drilling Contractor WW Drilling, LLC - Rig 6 Drill Collar Length 123 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 53 Weight Pipe Length      ft. I.D.      in.

Weight 9.1 Water Loss 11.2 cc. Drill Pipe Length 4,109 ft. I.D. 3 1/2 in.

Chlorides 9,800 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 23' perf. w/62' drill pipe Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak, surface blow. No blow back during shut-in.  
2nd Open: No blow. No blow back during shut-in.

Recovered 5 ft. of mud = .024600 bbls.

Recovered      ft. of     

Recovered      ft. of     

Recovered      ft. of     

Recovered      ft. of     

Remarks Tool Sample Grind Out: 100%-oil specked mud

Time Set Packer(s) 10:53 <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 12:58 <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 122 °

Initial Hydrostatic Pressure ..... (A) 2103 P.S.I.

Initial Flow Period ..... Minutes 5 (B) 10 P.S.I. to (C) 11 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 244 P.S.I.

Final Flow Period ..... Minutes 30 (E) 12 P.S.I. to (F) 14 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 67 P.S.I.

Final Hydrostatic Pressure ..... (H) 2067 P.S.I.

# DIAMOND TESTING

## General Information

Company Name MULL DRLG

Contact MARK SHREVE  
Well Name GARVEY "B" # 2-13  
Unique Well ID DST#3 MISS 4195-4280  
Surface Location SEC 13-15s-27w GOVE Co. Ks.  
Field WILDCAT  
Well Type Vertical

Job Number M025  
Representative MIKE COCHRAN  
Well Operator MULL DRLG  
Report Date 2010/09/03  
Prepared By MIKE COCHRAN

## Test Information

Test Type CONVENTIONAL  
Formation DST#3 MISS 4195-4280  
Well Fluid Type 01 Oil  
Test Purpose (AEUB) Initial Test

Start Test Time 08:42:00  
Final Test Time 02:46:00

Start Test Date 2010/09/03  
Final Test Date 2010/09/03

Gauge Name 30037  
Test Type Name

## Test Results

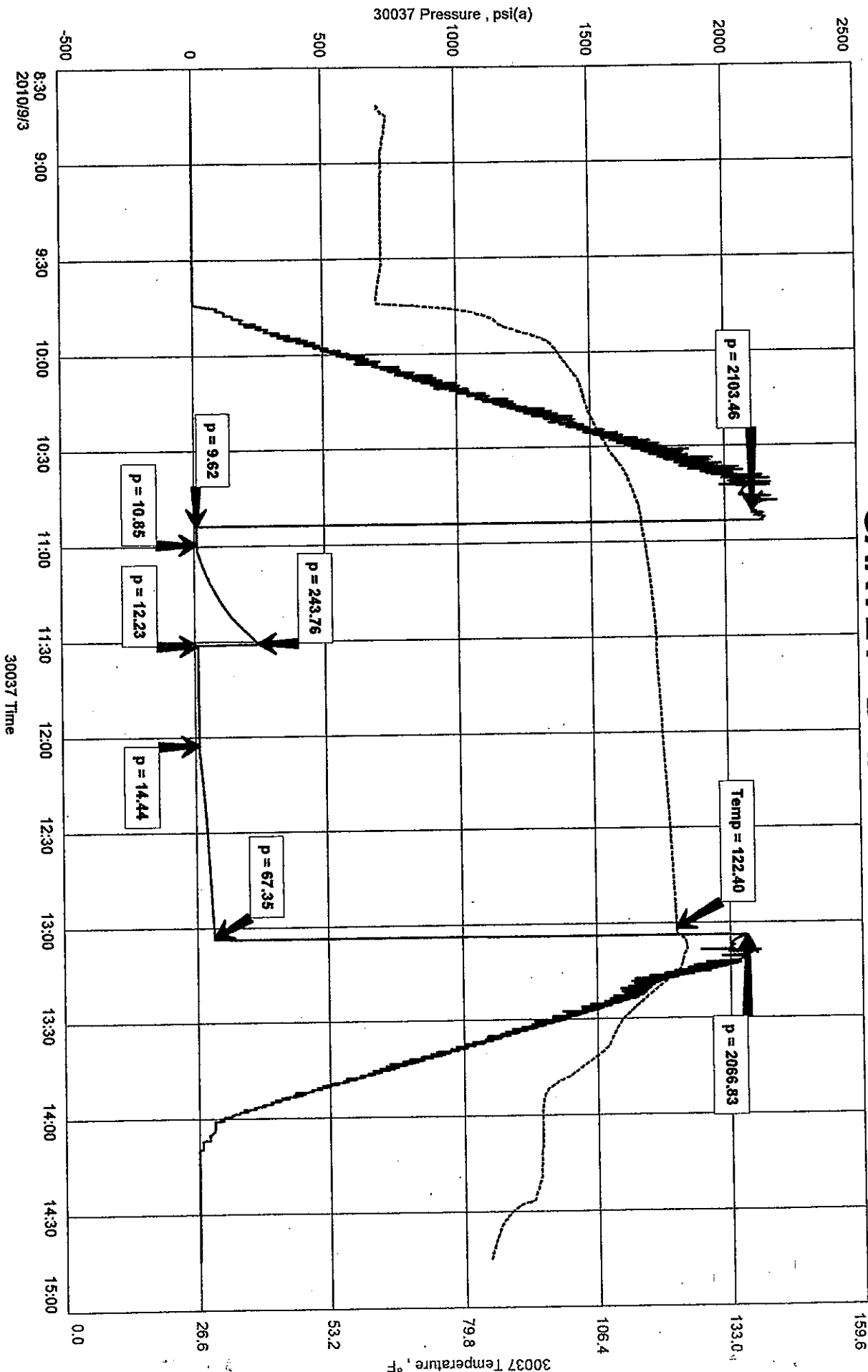
RECOVERED: 5' MUD

TOOL SAMPLE: 100% MUD, OIL SPECKED

MULL DRLG  
 DST#3 MISS 4195-4280  
 Start Test Date: 2010/09/03  
 Final Test Date: 2010/09/03

# GARVEY "B" # 2-13

GARVEY "B" # 2-13  
 Formation: DST#3 MISS 4195-4280  
 Pool: WILDCAT  
 Job Number: M025



30037 Pressure, psi(a)

30037 Temperature, °F

30037 Time