

# DIAMOND TESTING GENERAL REPORT

**Jake Fahrenbruch, Tester**

Cell: (620) 282-8977 / Office: (800) 542-7313



## TEST INFORMATION

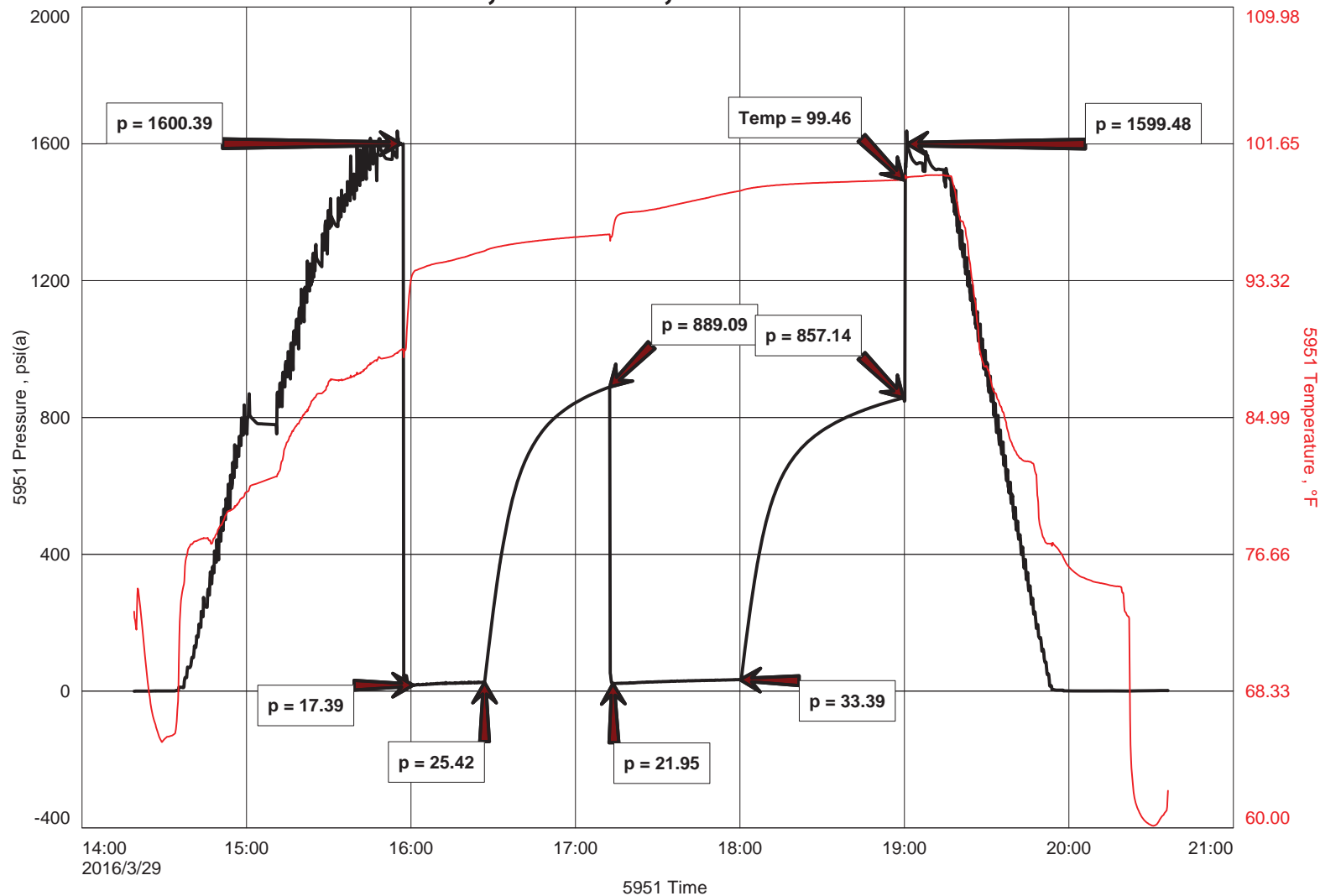
<b>Well Name</b>	Mull-Heyen #1-24
<b>Company Name</b>	LD Drilling, Inc.
<b>Formation</b>	DST #1, Lansing "B-F" 3295'-3355'
<b>Test Type</b>	Bottom-Hole w/safety joint
<b>Surface Location</b>	Sec 24-22s-12w-Stafford Co.-KS
<b>KB Elevation (SL)</b>	1849.000
<b>Gauge Name</b>	5951
<b>Start Test Date</b>	2016/03/29
<b>Start Test Time</b>	14:19:00
<b>Final Test Date</b>	2016/03/29
<b>Final Test Time</b>	20:37:00
<b>Job Number</b>	F427
<b>Contact</b>	LD Davis
<b>Site Contact</b>	Kim Shoemaker

## TEST RESULTS

Initial flow, strong blow @ BOB in 1.5 minutes. No blowback.  
 Final flow, strong blow @ BOB immediately, GTS 30 min, TSTM. No blowback.

Recovered 45' of GCM; 10% gas, 90% mud.

## MULL-HEYEN #1-24, DST #1, LANSING "B-F" 3295'-3355'





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

**DRILL-STEM TEST TICKET**  
 FILE: MULL-HEYEN 1 DST1

ON LOCATION:	<u>13:30</u>
START RECORDERS:	<u>14:19</u>
STOP RECORDERS:	

Company LD Drilling Inc Lease & Well No. MULL-HEYEN #1-24  
 Contractor LD Drilling Rig #1 Charge to LD Drilling Inc.  
 Elevation 1849' KB Formation LANS. "B-F" Effective Pay \_\_\_\_\_ Ft. Ticket No. F427  
 Date 3-29-16 Sec. 24 Twp. 22S Range 12W County STAFFORD State KS  
 Test Approved By KIM SHOENAKER Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 1 Interval Tested from 3295 ft. to 3355 ft. Total Depth 3355 ft.  
 Packer Depth 3290 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3295 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3278 ft. Recorder Number 5591 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3299 ft. Recorder Number 5589 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CREMFLAC Viscosity 67 (4" LCM) Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
 Weight 8.7 Water Loss 8.0 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 2800 P.P.M. Drill Pipe Length 3267 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #5 S.J. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? GTS (TSTM) Reversed Out \_\_\_\_\_ Anchor Length 60 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 28" PERF IN ANCHOR in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Strong blow @ B.O.B. IN 1 1/2 min. NO BLOWBACK.  
 2nd Open: Strong blow @ B.O.B. immediately. GTS 30min TSTM. No BB

Recovered 45 ft. of GCM 10" gas, 90" mud  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

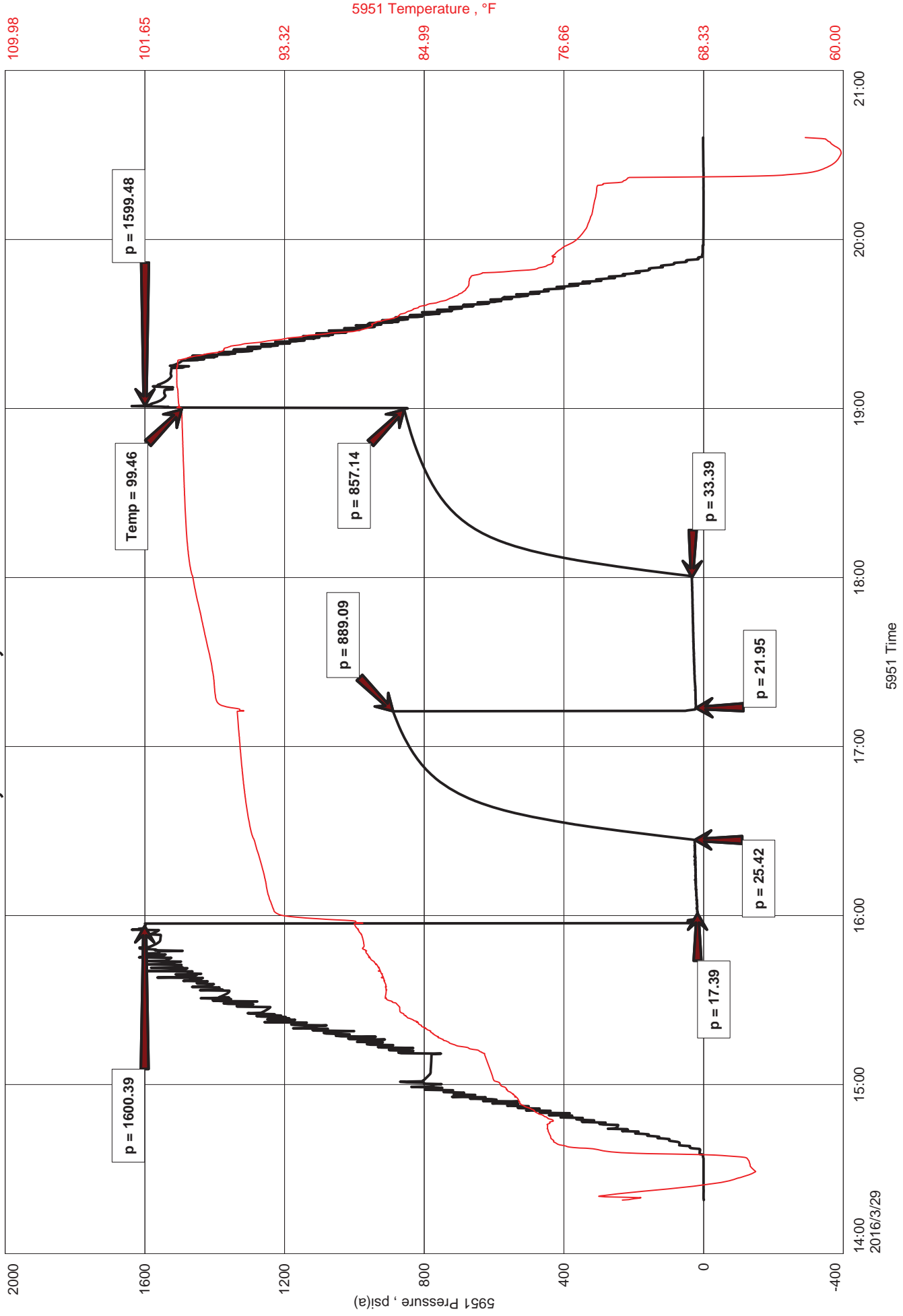
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	<u>5. Joint</u>
	<u>82 MRT (PRIT)</u>
	Total

Time Set Packer(s) 16:00 A.M. P.M. Time Started Off Bottom 19:00 A.M. P.M. Maximum Temperature 99°F

Initial Hydrostatic Pressure..... (A) 1600 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 17 P.S.I. to (C) 25 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 889 P.S.I.  
 Final Flow Period..... Minutes 45 (E) 22 P.S.I. to (F) 33 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 857 P.S.I. Thanks!  
 Final Hydrostatic Pressure..... (H) 1599 P.S.I. Jake Fahrenbruch

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.

# MULL-HEYEN #1-24, DST #1, LANSING "B-F" 3295'-3355'







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

TIME ON: 14:19  
 TIME OFF: 20:37

**DRILL-STEM TEST TICKET**  
 FILE: MULL-HEYEN1DST1

Company LD Drilling Inc. Lease & Well No. Mull-Heyen #1-24  
 Contractor LD Drilling Charge to LD Drilling Inc.  
 Elevation 1849' KB Formation Lansing "B-F" Effective Pay \_\_\_\_\_ Ft. Ticket No. F427  
 Date 3-29-16 Sec. 24 Twp. \_\_\_\_\_ 22s S Range 12w W County Stafford State KANSAS  
 Test Approved By Kim Shoemaker Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 3295 ft. to 3355 ft. Total Depth 3355 ft.  
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 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3278 ft. Recorder Number 5591 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3299 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 67 (4# LCM) Drill Collar Length 0 ft. I.D. 2 1/4 in.  
 Weight 8.7 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 2,800 P.P.M. Drill Pipe Length 3,267 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length 28 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? GTS (TSTM) Reversed Out NO Anchor Length 60 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Strong blow @ BOB in 1.5 minute. No blowback.  
 2nd Open: Strong blow @ BOB immediately. GTS 30 min, TSTM. No blowback.

Recovered 45 ft. of GCM 10% gas, 90% mud  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
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 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Remarks: \_\_\_\_\_  
 Price Job \_\_\_\_\_  
 Other Charges \_\_\_\_\_  
 Insurance \_\_\_\_\_  
 Total \_\_\_\_\_

Time Set Packer(s) 16:00 A.M. P.M. Time Started Off Bottom 19:00 A.M. P.M. Maximum Temperature 99 F  
 Initial Hydrostatic Pressure..... (A) 1600 P.S.I.  
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