

# DIAMOND TESTING GENERAL REPORT

**Jake Fahrenbruch, Tester**

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



## TEST INFORMATION

<b>Well Name</b>	Shumway AA #3
<b>Company Name</b>	LD Drilling Inc
<b>Formation</b>	Arbuckle 3630'-3640'
<b>Test Type</b>	Bottom-Hole w/J&J
<b>Surface Location</b>	Sec 27-21s-12w-Stafford Co.-KS
<b>KB Elevation (SL)</b>	1843.000
<b>Gauge Name</b>	Inside 5951
<b>Start Test Date</b>	2014/12/10
<b>Start Test Time</b>	05:43:00
<b>Final Test Date</b>	2014/12/10
<b>Final Test Time</b>	09:55:00
<b>Job Number</b>	F357
<b>Contact</b>	LD Davis
<b>Site Contact</b>	Kurt Talbott

## TEST RESULTS

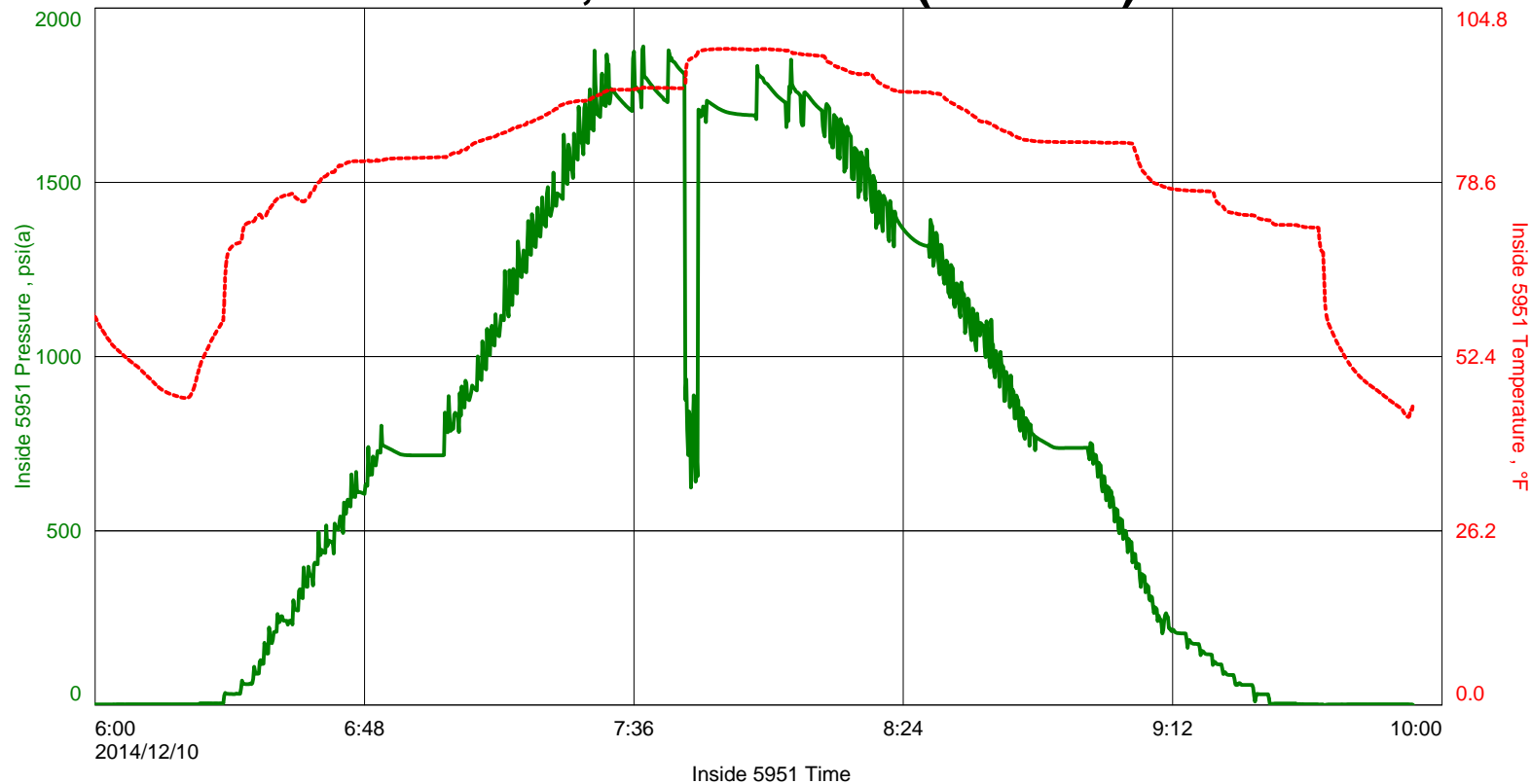
**MIS-RUN DUE TO PACKER FAILURE**

Recovered 420' of drilling mud.  
(Packers were un-harmed)

LD Drilling Inc  
Start Test Date: 2014/12/10  
Final Test Date: 2014/12/10

Shumway AA #3  
Formation: Arbuckle 3630'-3640'  
Job Number: F357

## DST #4, ARBUCKLE (mis-run)





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: SHUM3DST4

ON LOCATION:	<u>05:30</u>
START RECORDERS:	<u>05:43</u>
STOP RECORDERS:	<u>09:55</u>

Company LD DRILLING INC. Lease & Well No. SHUMWAY AA #3  
 Contractor PETROMARK DRUG. LLC #2 Charge to LD DRILLING INC.  
 Elevation 1843' NB Formation ARBUCKLE Effective Pay \_\_\_\_\_ Ft. Ticket No. F357  
 Date 12-10-14 Sec. 27 Twp. 21S Range 12W County STAFFORD State KANSAS  
 Test Approved By KURT TALBOTT Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 4 Interval Tested from 3630 ft. to 3640 ft. Total Depth 3640 ft.  
 Packer Depth 3625 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3630 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3608 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3631 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 59 Drill Collar Length 123 ft. I.D. 2 1/4 in.  
 Weight 9.3 Water Loss 12.8 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 8,000 P.P.M. Drill Pipe Length 3475 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #5 J&J Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length 10 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: MIS-RUN DUE TO PACKER FAILURE  
 2nd Open: \_\_\_\_\_

Recovered 420 ft. of DRUG MUD  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Price Job	<u>MIS-RUN</u>
Other Charges	
	<u>J&amp;J</u>
	<u>96 MRT (FRAT)</u>
Total	

Remarks: (PACKERS WERE NOT HARMED)

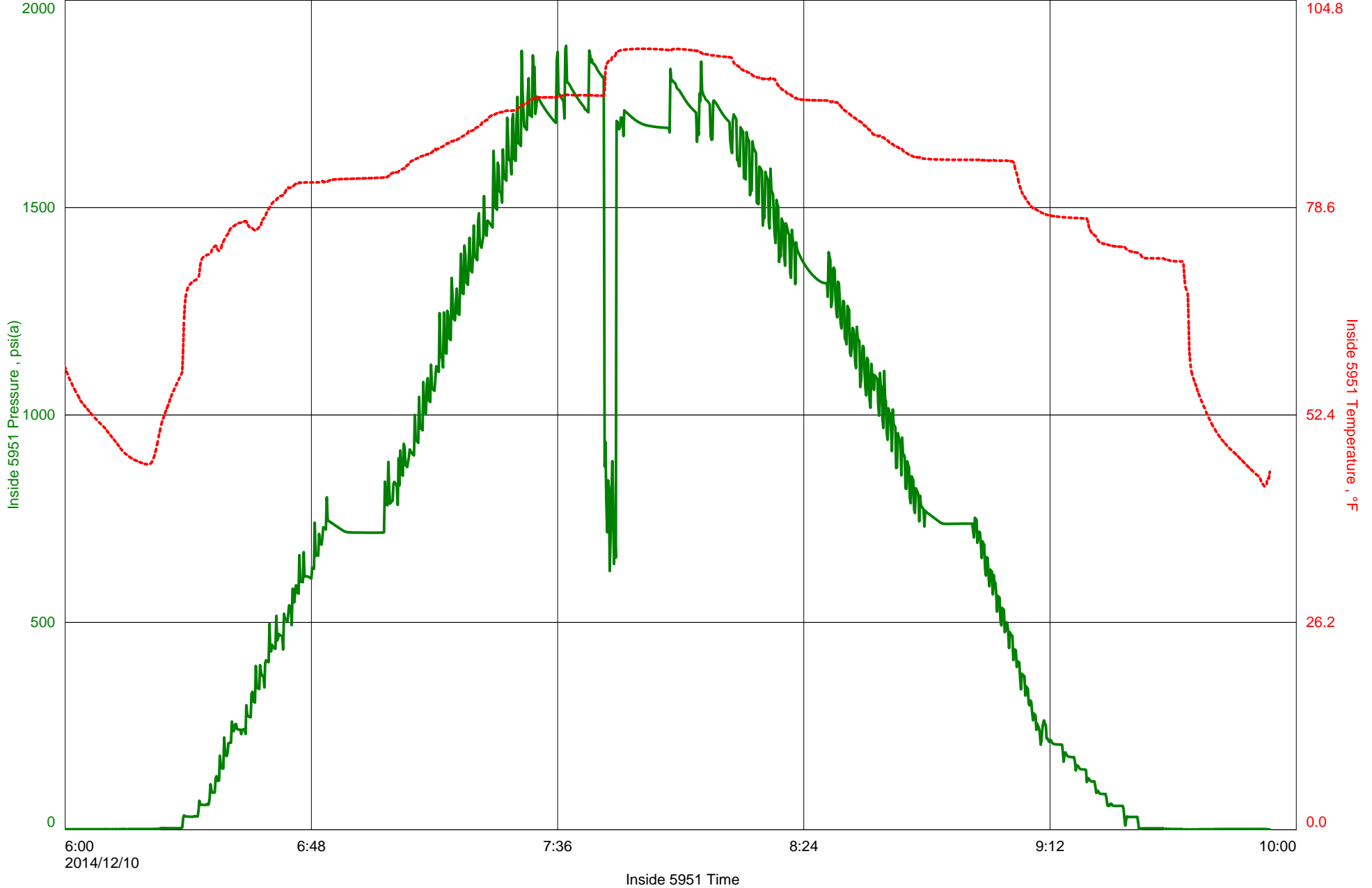
Time Set Packer(s) 7:45 <sup>A.M.</sup> P.M. Time Started Off Bottom 7:47 <sup>A.M.</sup> P.M. Maximum Temperature \_\_\_\_\_  
 Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
 Initial Flow Period..... Minutes 2 (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
 Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
 Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
 Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I. Thanks!  
 Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I. Jacob's Signature

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.

LD Drilling Inc  
Start Test Date: 2014/12/10  
Final Test Date: 2014/12/10

Shumway AA #3  
Formation: Arbuckle 3630'-3640'  
Job Number: F357

# DST #4, ARBUCKLE (mis-run)





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: SHUM3DST4

TIME ON: 05:43  
TIME OFF: 09:55

Company LD Drilling Inc. Lease & Well No. Shumway AA #3  
Contractor Petromark Drilling LLC Rig #2 Charge to LD Drilling Inc.  
Elevation 1843' KB Formation Arbuckle Effective Pay \_\_\_\_\_ Ft. Ticket No. F357  
Date 12-10-14 Sec. 27 Twp. 21s S Range 12w W County Stafford State KANSAS  
Test Approved By Kurt Talbott Diamond Representative Jake Fahrenbruch

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Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 3608 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3631 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth ----- ft. Recorder Number ----- Cap. ----- P.S.I.  
Mud Type Chemical Viscosity 59 Drill Collar Length 123 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 12.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 8,000 P.P.M. Drill Pipe Length 3,475 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number #5 J&J Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 10 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: MIS-RUN DUE TO PACKER FAILURE  
2nd Open: \_\_\_\_\_

Recovered <u>420</u> ft. of <u>Drilling Mud</u>	<u>100% mud</u>
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>No packers were harmed during the operation of this mis-run.</u>	Insurance
	Total

Time Set Packer(s) 7:45 AM A.M. P.M. Time Started Off Bottom 7:47 AM A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes 2 (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

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