

# 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 3545'-3640'
<b>Test Type</b>	Bottom-Hole w/J&J
<b>Surface Location</b>	Swc 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>	10:01:00
<b>Final Test Date</b>	2014/12/10
<b>Final Test Time</b>	16:00:00
<b>Job Number</b>	F358
<b>Contact</b>	LD Davis
<b>Site Contact</b>	Kurt Talbott

## TEST RESULTS

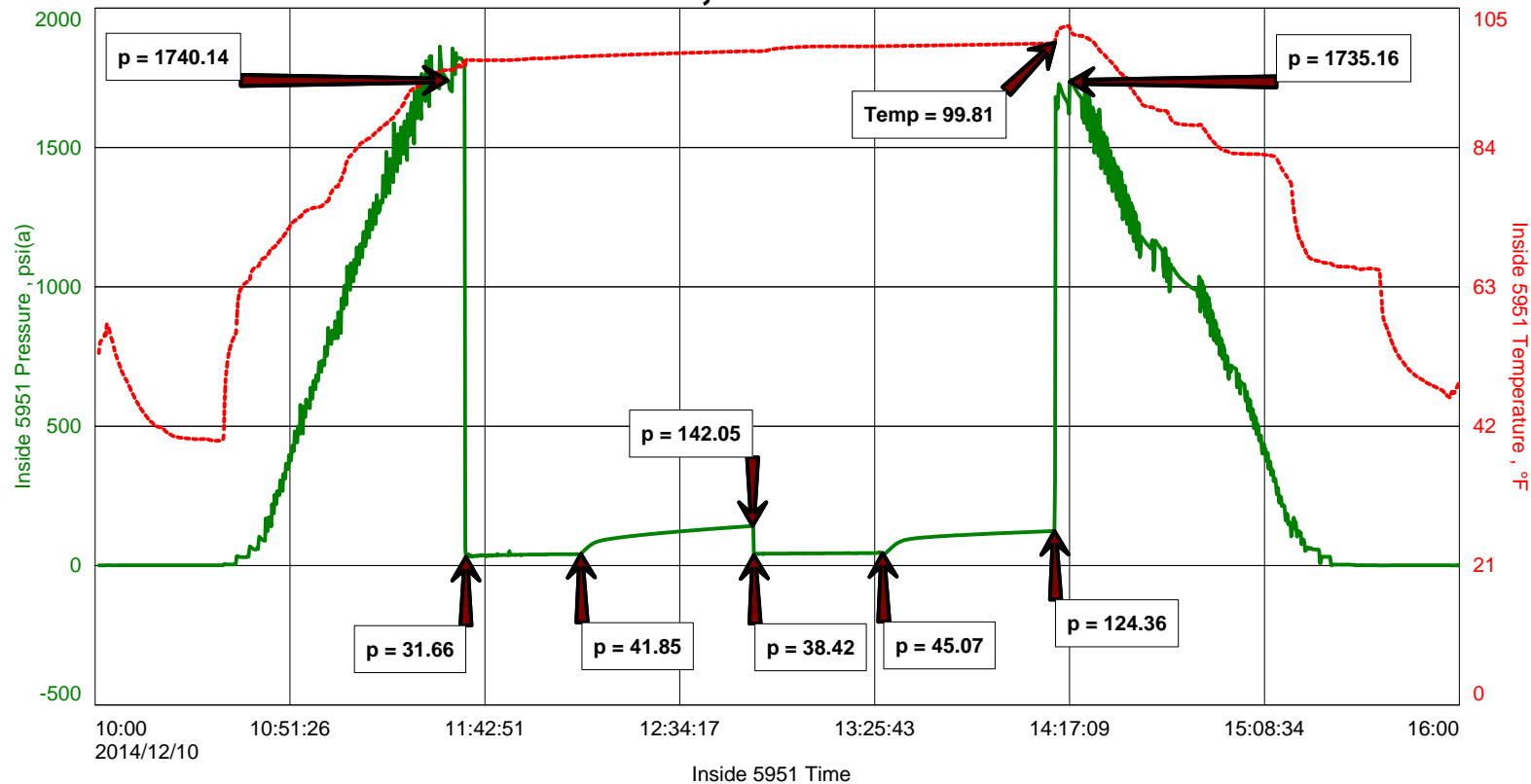
Initial flow, weak blow, increased to 3.5"  
 Final flow, surface blow, blow died

recovered 60' of drilling mud.  
 (Oil spots in tool.)

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

Shumway AA #3  
 Formation: Arbuckle 3545'-3640'  
 Job Number: F358

## DST #5, ARBUCKLE





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: SHUM3DST5

ON LOCATION: 09:55  
 START RECORDERS: 10:01  
 STOP RECORDERS: 16:00

Company LD DRILLING INC. Lease & Well No. SHUMWAY AA #3  
 Contractor PETROMARK DRUG LLC REG #2 Charge to LD DRILLING INC.  
 Elevation 1843' KB Formation ARBUCKLE Effective Pay \_\_\_\_\_ Ft. Ticket No. F358  
 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. 5 Interval Tested from 3545 ft. to 3640 ft. Total Depth 3640 ft.  
 Packer Depth 3540 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3545 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3523 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3612 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 8000 P.P.M. Drill Pipe Length 3389 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 95 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2" XH in. Surface Choke Size \_\_\_\_\_ in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAR BLOW, INCREASED TO 3 1/2"  
 2nd Open: SURFACE BLOW, BLOW DEEP

Recovered 60 ft. of DRUG MUD  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of (OIL SPOTS IN TOOL)  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	<u>J&amp;J</u>
_____	<u>NO MILEAGE</u>
_____	Total

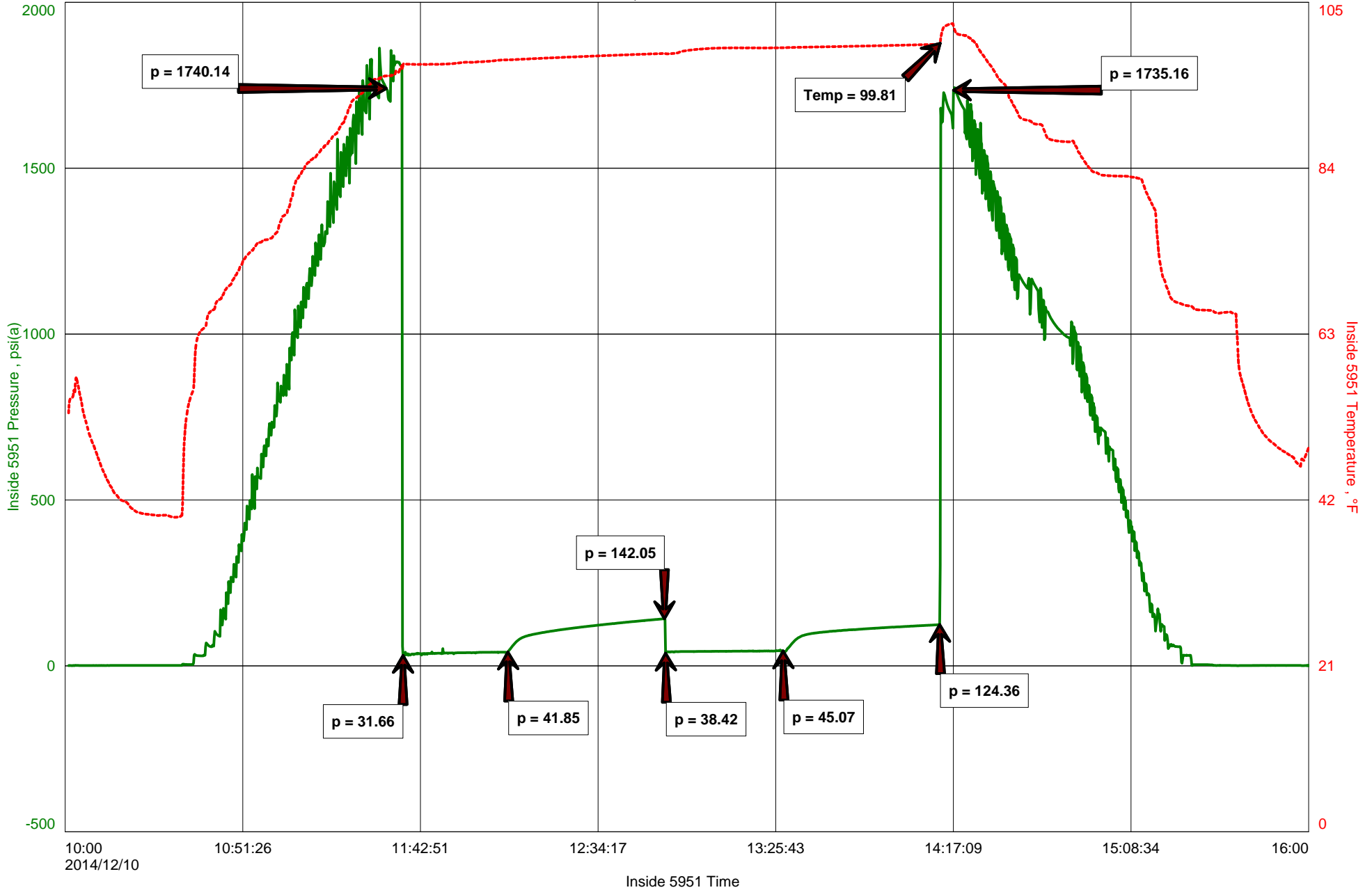
Time Set Packer(s) 11:40 <sup>A.M.</sup> P.M. Time Started Off Bottom 2:10 <sup>A.M.</sup> P.M. Maximum Temperature 100°F  
 Initial Hydrostatic Pressure..... (A) 1740 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 32 P.S.I. to (C) 42 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 142 P.S.I.  
 Final Flow Period..... Minutes 30 (E) 38 P.S.I. to (F) 45 P.S.I.  
 Final Closed In Period..... Minutes 45 (G) 124 P.S.I. Thank You!  
 Final Hydrostatic Pressure..... (H) 1735 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.

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

Shumway AA #3  
Formation: Arbuckle 3545'-3640'  
Job Number: F358

# DST #5, ARBUCKLE





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 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: SHUM3DST5

TIME ON: 10:01  
 TIME OFF: 16:00

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. F358  
 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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 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 95 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 30' PERF IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak blow, increased to 3.5"  
 2nd Open: Surface blow, blow died

Recovered 60 ft. of Drilling Mud  
 Recovered \_\_\_\_\_ ft. of (Oil spots in tool. (<1% oil))  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
_____	Total

Time Set Packer(s) 11:40 AM A.M. P.M. Time Started Off Bottom 2:10 PM A.M. P.M. Maximum Temperature 100 F

Initial Hydrostatic Pressure..... (A) 1740 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 32 P.S.I. to (C) 42 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 142 P.S.I.  
 Final Flow Period..... Minutes 30 (E) 38 P.S.I. to (F) 45 P.S.I.  
 Final Closed In Period..... Minutes 45 (G) 124 P.S.I.  
 Final Hydrostatic Pressure..... (H) 1735 P.S.I.

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