

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

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



TEST INFORMATION

Well Name	Shumway AA #3
Company Name	LD Drilling, Inc.
Formation	Simpson Sand & Arbuckle 3545'-3630'
Test Type	Bottom-Hole DST w/J&J
Surface Location	Sec 27-21s-12w-Stafford Co-KS
KB Elevation (SL)	1843.000
Gauge Name	Inside 5951
Start Test Date	2014/12/09
Start Test Time	15:04:00
Final Test Date	2014/12/09
Final Test Time	21:00:00
Job Number	F356
Contact	LD Davis
Site Contact	Kurt Talbott

TEST RESULTS

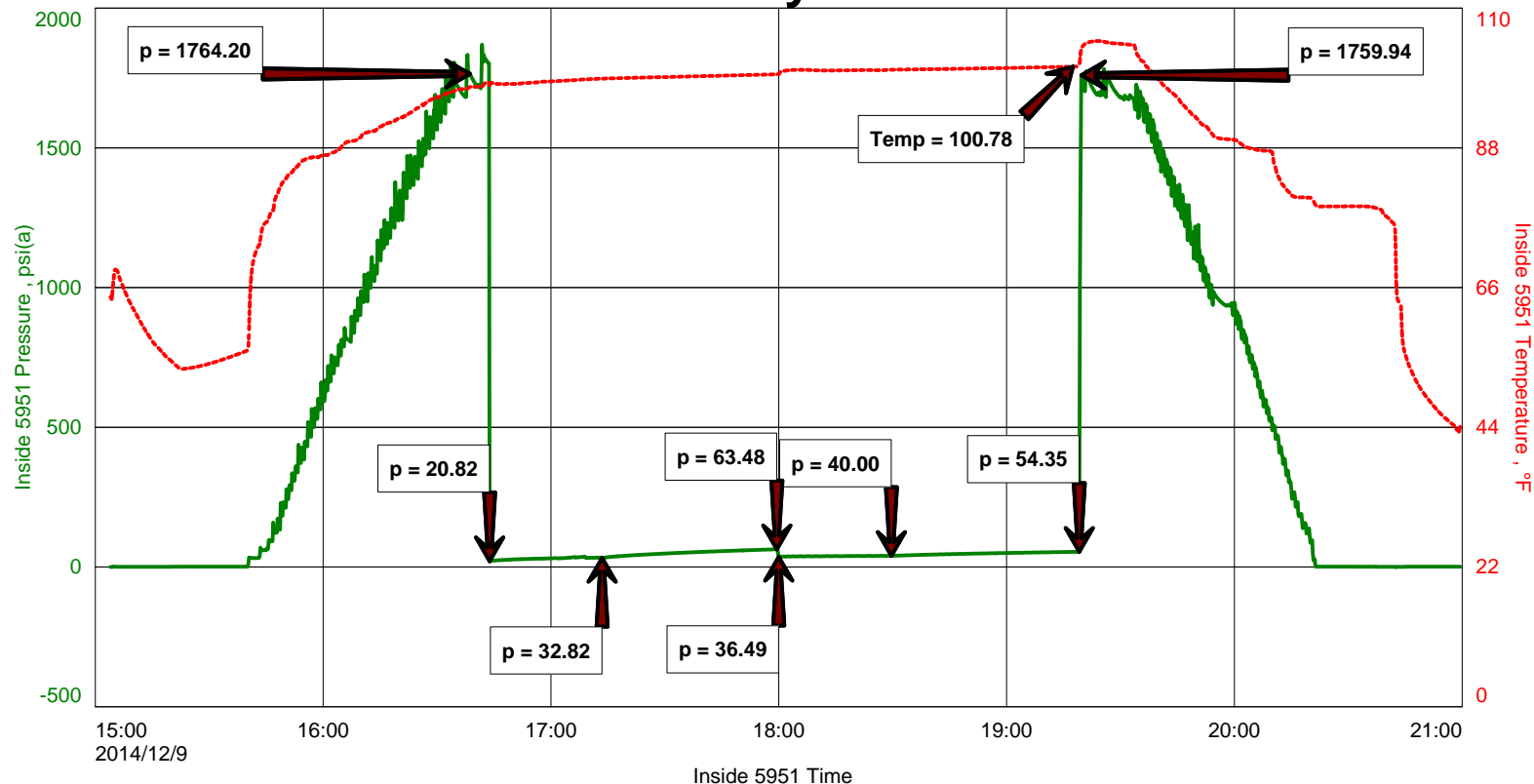
Initial flow, weak blow, increased to 2.5"
Final flow, surface blow, blow died

Recovered 30' of drilling mud
(Oil spots in tool.)

LD Drilling, Inc.
Start Test Date: 2014/12/09
Final Test Date: 2014/12/09

Shumway AA #3
Formation: Simpson Sand & Arbuckle 3545'-3630'
Job Number: F356

Shumway AA #3





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: SHUM3DST3

ON LOCATION:	<u>11:45</u>
START RECORDERS:	<u>15:04</u>
STOP RECORDERS:	<u>21:00</u>

Company LD DRILLING INC. Lease & Well No. SHUMWAY AA #3
 Contractor PETROMARK DRUG. LLC RIG #2 Charge to LD DRILLING INC.
 Elevation 1843' KB Formation SIMPSON SAND & ARBUCKLE Ticket No. F356
 Date 12-9-14 Sec. 27 Twp. 21 S Range 12 W County STAFFORD State KANSAS
 Test Approved By KURT TALBOTT Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 3 Interval Tested from 3545 ft. to 3630 ft. Total Depth 3630 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 44 Drill Collar Length 123 ft. I.D. 2 1/4 in.
 Weight 9.5 Water Loss 12.8 cc. Weight Pipe Length ft. I.D. 2 7/8 in.
 Chlorides 8000 P.P.M. Drill Pipe Length 3512 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number #5 JJJ Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? Reversed Out Anchor Length 85 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2" XH Surface Choke Size 20' PERF IN ANCHOR in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK BLOW, INCREASED TO 2 1/2". NBR
 2nd Open: SURFACE BLOW, BLOW DEED.

Recovered 30 ft. of DRUG MUD 100" MUD
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

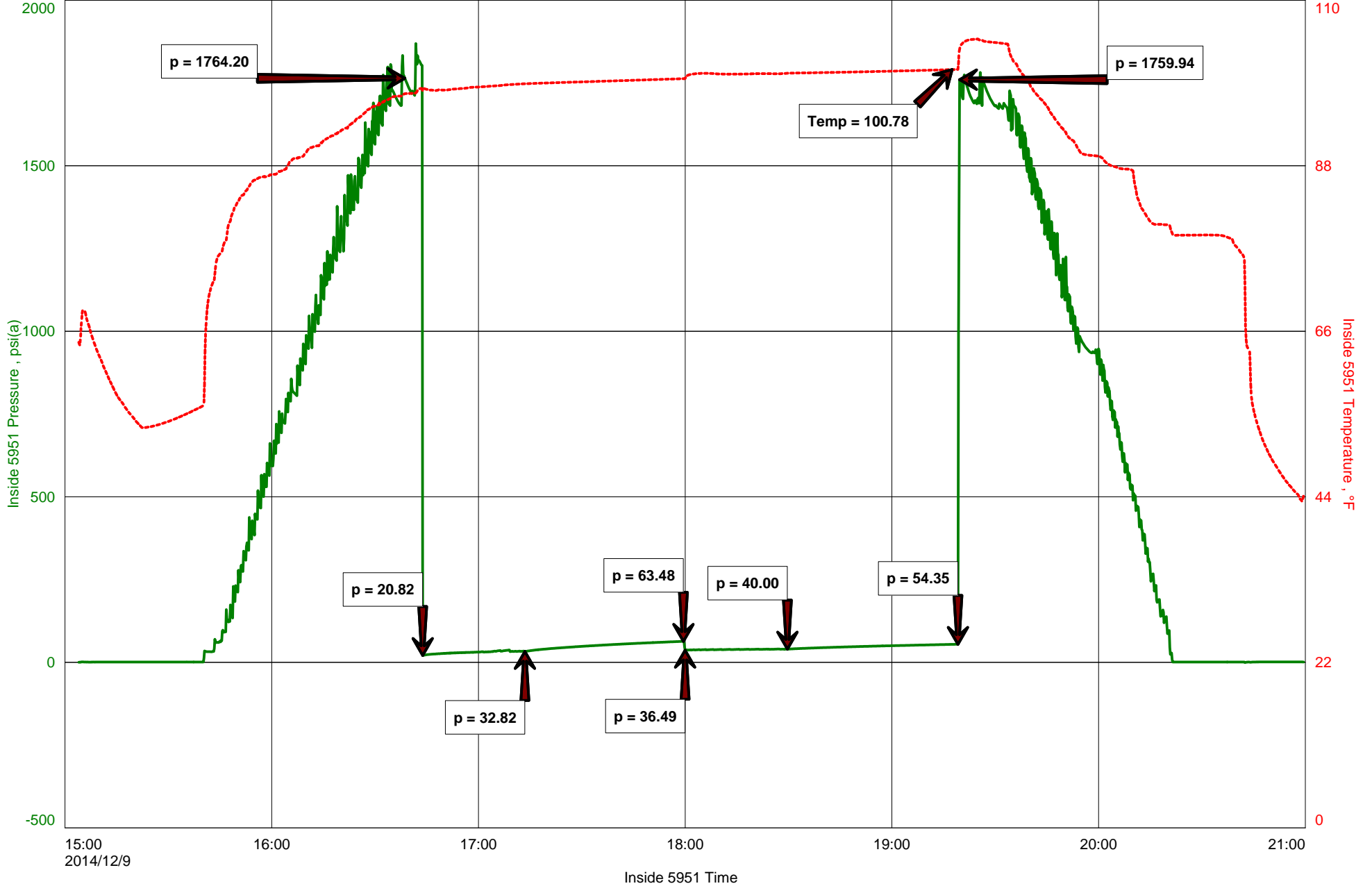
Recovered <u> </u> ft. of <u> </u>	Price Job
Recovered <u> </u> ft. of <u> </u>	Other Charges
Remarks: <u>OIL SPOTS IN TOOL</u>	<u>JJJ</u>
	<u>96 MRT (PRATT)</u>
	Total

Time Set Packer(s) 4:45 AM PM Time Started Off Bottom 7:15 AM PM Maximum Temperature 101' F

Initial Hydrostatic Pressure..... (A) 1764 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 21 P.S.I. to (C) 33 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 63 P.S.I.
 Final Flow Period..... Minutes 30 (E) 36 P.S.I. to (F) 40 P.S.I.
 Final Closed In Period..... Minutes 45 (G) 54 P.S.I. THANKS!
 Final Hydrostatic Pressure..... (H) 1760 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.

Shumway AA #3





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: SHUM3DST3

TIME ON: 15:04
TIME OFF: 21:00

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 Simpson / Arbuckle Effective Pay _____ Ft. Ticket No. F356
Date 12-9-14 Sec. 27 Twp. 21s S Range 12w W County Stafford State KANSAS
Test Approved By Kurt Talbott Diamond Representative Jake Fahrenbruch

Formation Test No. 3 Interval Tested from 3545 ft. to 3630 ft. Total Depth 3630 ft.
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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 44 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.5 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 3,512 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 85 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 20' PERF IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak blow, increased to 2.5"
2nd Open: Surface blow, blow died

Recovered 30 ft. of Drilling Mud 100% mud
Recovered _____ ft. of (oil spots in tool.)
Recovered _____ ft. of _____
Recovered _____ ft. of _____

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

Time Set Packer(s) 4:45 PM A.M. P.M. Time Started Off Bottom 7:15 PM A.M. P.M. Maximum Temperature 101 F

Initial Hydrostatic Pressure..... (A) 1764 P.S.I.
Initial Flow Period..... Minutes 30 (B) 21 P.S.I. to (C) 33 P.S.I.
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Final Flow Period..... Minutes 30 (E) 36 P.S.I. to (F) 40 P.S.I.
Final Closed In Period..... Minutes 45 (G) 54 P.S.I.
Final Hydrostatic Pressure..... (H) 1760 P.S.I.

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