

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	Lansing "H-J" 3383'-3480'
Test Type	Bottom-Hole w/J&J
Surface Location	Sec 27-21s-12w-Stafford Co.-KS
KB Elevation (SL)	1843.000
Gauge Name	INSIDE 5951
Start Test Date	2014/12/08
Start Test Time	12:35:00
Final Test Date	2014/12/08
Final Test Time	18:50:00
Job Number	F355
Contact	LD Davis
Site Contact	Kurt Talbott

TEST RESULTS

Initial flow, fair blow, BOB 29 minutes. No blowback.
 Final flow, fair blow, BOB 10 seconds. No blowback.

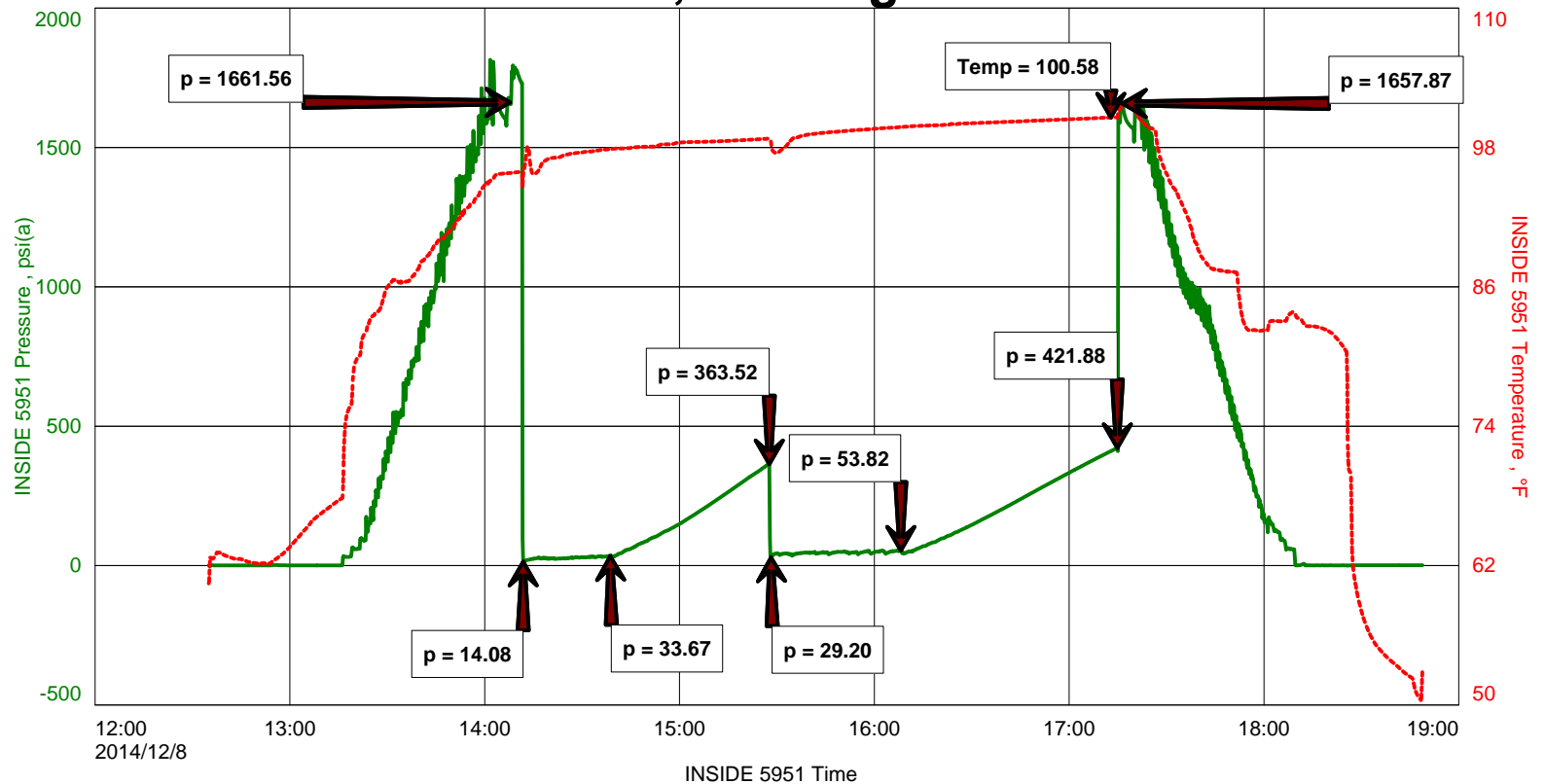
TOTAL RECOVERED FLUID: 90'

60'	DRLG MUD	100% mud
30'	SGC OCM	10% gas, 25% oil, 65% mud
-----	+/- 500' GIP	

LD Drilling Inc.
 Start Test Date: 2014/12/08
 Final Test Date: 2014/12/08

Shumway AA #3
 Formation: Lansing "H-J" 3383'-3480'
 Job Number: F355

DST #2, Lansing "H-J"





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: SHUM3DST2

ON LOCATION:	<u>12:15</u>
START RECORDERS:	<u>12:35</u>
STOP RECORDERS:	<u>18:50</u>

Company LD DRILLING INC. Lease & Well No. SHUMWAY AA #3
 Contractor PETROMARK DRUG. LLC RIG #2 Charge to LD DRUG INC
 Elevation 1843' KB Formation LANSING "H-J" Effective Pay _____ Ft. Ticket No. F355
 Date 12-8-14 Sec. 27 Twp. 21S Range 12W County STAFFORD State KANSAS
 Test Approved By KURT TALBOTT Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 2 Interval Tested from 3383 ft. to 3480 ft. Total Depth 3480 ft.
 Packer Depth 3378 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3383 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3361 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3450 ft. Recorder Number 5584 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 57 Drill Collar Length 123 ft. I.D. 2 1/4 in.
 Weight 9.4 Water Loss 10.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 7000 P.P.M. Drill Pipe Length 3350 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 97 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2" XH in. 32' PERF IN ANCHOR Surface Choke Size _____ in. Bottom Choke Size 5/8 in.

Blow: 1st Open: FAIR BLOW, BOB 29 MINUTES. NO BB
 2nd Open: FAIR BLOW, BOB 10 SECONDS.

Recovered _____ ft. of TOTAL FLUID @ 90'
 Recovered 60 ft. of MUD 100% mud
 Recovered 30 ft. of SGC BM 10% gas, 25% oil, 65% mud
 Recovered _____ ft. of +/- 500' GIP

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	<u>J&J</u>
	<u>96 MRT (PRATT)</u>
	Total

Time Set Packer(s) 2:15 (P.M.) Time Started Off Bottom 5:15 (P.M.) Maximum Temperature 101°F

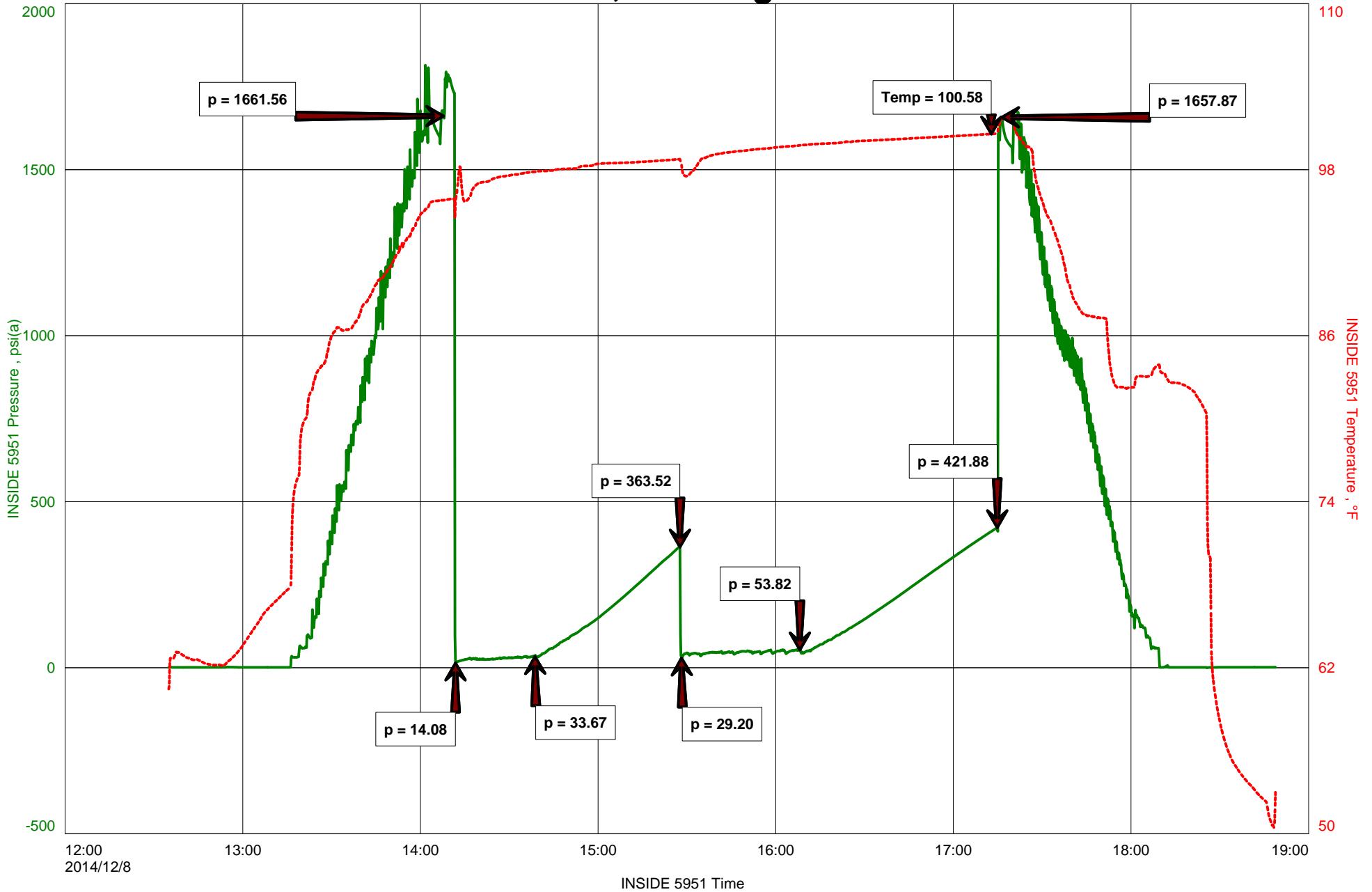
Initial Hydrostatic Pressure..... (A) 1662 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 34 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 364 P.S.I.
 Final Flow Period..... Minutes 45 (E) 29 P.S.I. to (F) 53 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 422 P.S.I. THANKS!
 Final Hydrostatic Pressure..... (H) 1658 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: 2014/12/08
Final Test Date: 2014/12/08

Shumway AA #3
Formation: Lansing "H-J" 3383'-3480'
Job Number: F355

DST #2, Lansing "H-J"





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: SHUM3DST2

TIME ON: 12:35
TIME OFF: 18:50

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 Lansing "H-J" Effective Pay _____ Ft. Ticket No. F355
Date 12-8-14 Sec. 27 Twp. _____ 21s S Range 12w W County Stafford State KANSAS
Test Approved By Kurt Talbott Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 3383 ft. to 3480 ft. Total Depth 3480 ft.
Packer Depth 3378 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
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Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3361 ft. Recorder Number 5951 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3450 ft. Recorder Number 5584 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 57 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 10.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 7,000 P.P.M. Drill Pipe Length 3,350 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 97 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 32' PERF IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Fair blow, BOB 29 minutes. No blowback.
2nd Open: Fair blow, BOB 10 seconds. No blowback.

Recovered _____ ft. of **TOTAL FLUID: 90'**
Recovered 60 ft. of **DRLG MUD** 100% mud
Recovered 30 ft. of **SGC OM** 10% gas, 25% oil, 65% mud
Recovered _____ ft. of **+/- 500' GIP**

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

Time Set Packer(s) 2:15 PM A.M. P.M. Time Started Off Bottom 5:15 PM A.M. P.M. Maximum Temperature 101 F

Initial Hydrostatic Pressure..... (A) 1622 P.S.I.
Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 34 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 364 P.S.I.
Final Flow Period..... Minutes 45 (E) 29 P.S.I. to (F) 53 P.S.I.
Final Closed In Period..... Minutes 60 (G) 422 P.S.I.
Final Hydrostatic Pressure..... (H) 1658 P.S.I.

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