

# DIAMOND TESTING GENERAL REPORT

**Jake Fahrenbruch, Tester**

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



## TEST INFORMATION

<b>Well Name</b>	Rugan Farms #2-24
<b>Formation</b>	Lansing "A-C" 3245'-3300'
<b>Surface Location</b>	Sec 24-20s-14w-Barton Co-KS
<b>Field</b>	
<b>Company Name</b>	LD Drilling
<b>Well Operator</b>	LD Drilling
<b>Well Type</b>	Vertical
<b>Test Type</b>	Conv. Bottom-Holw
<b>Test Purpose (AEUB)</b>	Initial Test
<b>Gauge Name</b>	Inside 5951
<b>Start Test Date</b>	2014/08/13
<b>Start Test Time</b>	05:55:00
<b>Final Test Date</b>	2014/08/13
<b>Final Test Time</b>	11:43:00
<b>Job Number</b>	F296
<b>Contact</b>	LD Davis
<b>Site Contact</b>	Kurt Talbott
<b>Qualified By</b>	Kurt Talbott

## TEST RESULTS

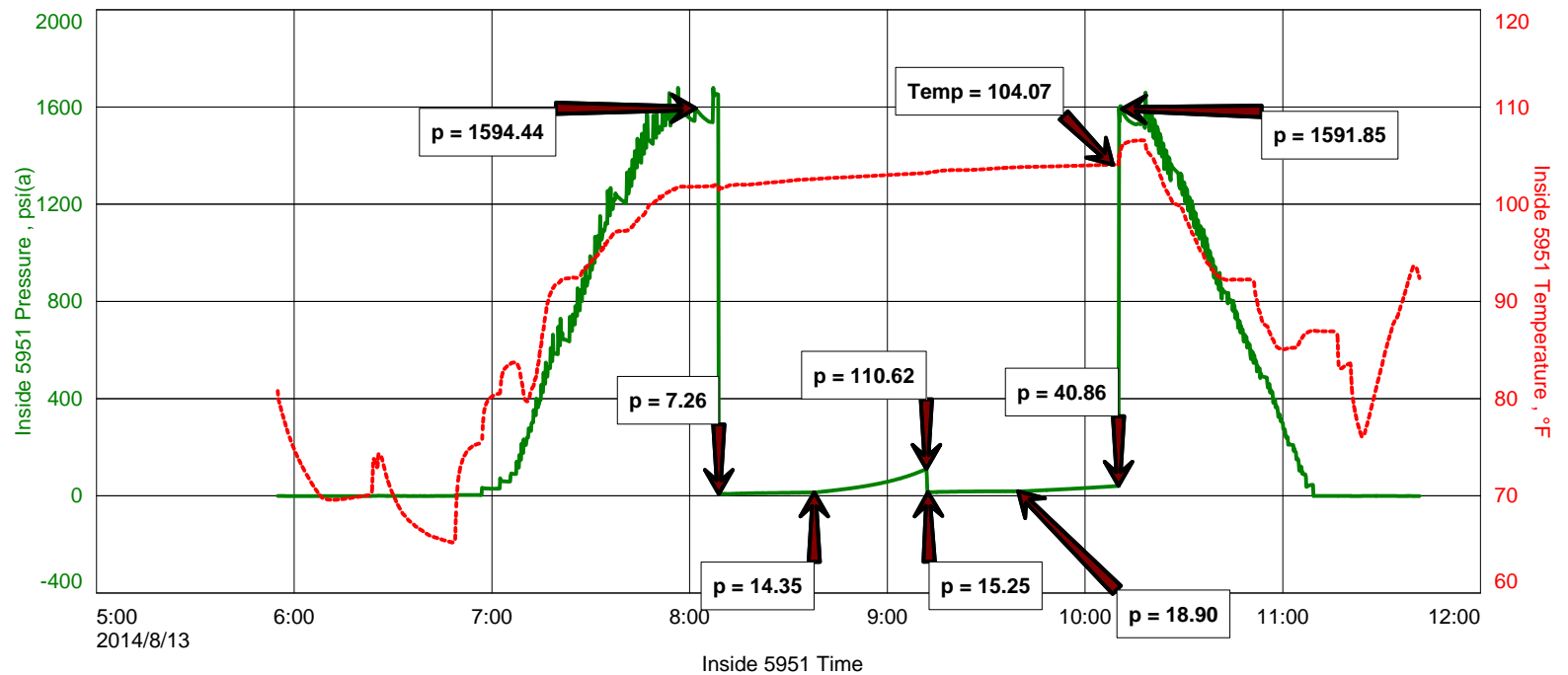
Initial flow started with a surface blow that built to .5" in 10 minutes, blow died off.  
Final flow started with a surface blow that died in 1 minute.

Recovered 10' of Drilling Mud, 100% mud

LD Drilling  
Start Test Date: 2014/08/13  
Final Test Date: 2014/08/13

Rugan Farms #2-24  
Formation: Lansing "A-C" 3245'-3300'  
Job Number: F296

## DST #1





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: RUGFAZDST1

ON LOCATION: 04:15  
 START RECORDERS: 05:55  
 STOP RECORDERS: 11:43

Company LD DRILLING, INC. Lease & Well No. RUGAN FARMS #2-24  
 Contractor PETROMARK DRILLING REG #2 Charge to LD DRILLING, INC  
 Elevation 1892' KB Formation LANSING "A-C" Effective Pay \_\_\_\_\_ Ft. Ticket No. F296  
 Date 8-13-14 Sec. 24 Twp. 20 S Range 14 W County BARTON State KANSAS  
 Test Approved By KURT TALBOTT Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 1 Interval Tested from 3245' ft. to 3300' ft. Total Depth 3300' ft.  
 Packer Depth 3240' ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3245' ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3223' ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3246' ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 47 Drill Collar Length 125' ft. I.D. 2 1/4 in.  
 Weight 8.7 Water Loss 8.4 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 8000 P.P.M. Drill Pipe Length 3095' ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length 25' ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length 55' 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: SURFACE BLOW, INC TO 1/2" IN 10 MIN, BLOW STOPPED OFF.  
 2nd Open: SURFACE BLOW DEAD IN 1 MINUTE.

Recovered 10 ft. of DRLG MUD 100' MUD  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Price Job \_\_\_\_\_  
 Other Charges \_\_\_\_\_  
 Remarks: \_\_\_\_\_  
 Total \_\_\_\_\_

Time Set Packer(s) 8:10 AM Time Started Off Bottom 10:10 AM Maximum Temperature 104F

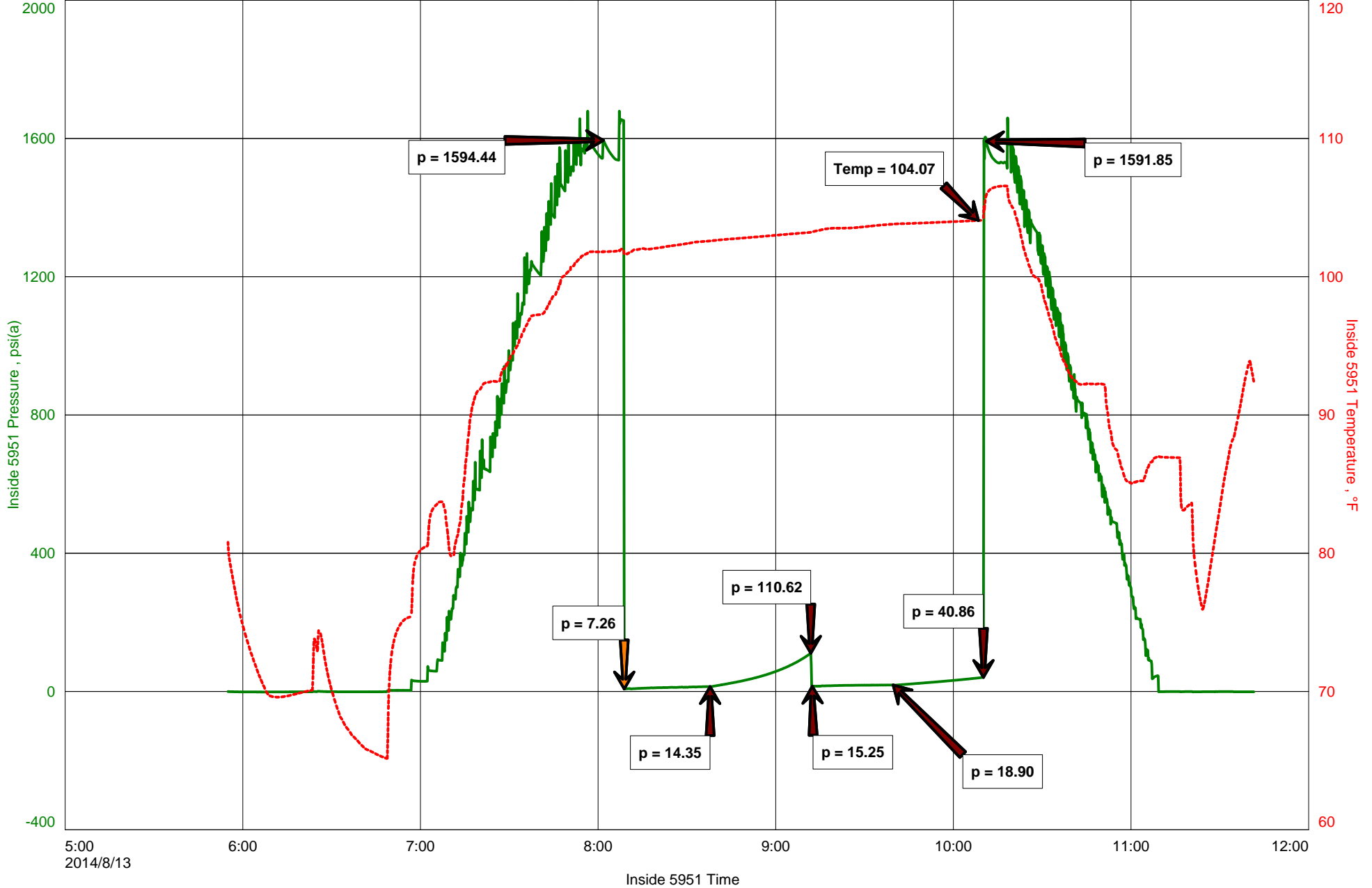
Initial Hydrostatic Pressure..... (A) 1594 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 7 P.S.I. to (C) 14 P.S.I.  
 Initial Closed In Period..... Minutes 30 (D) 111 P.S.I.  
 Final Flow Period..... Minutes 30 (E) 15 P.S.I. to (F) 19 P.S.I.  
 Final Closed In Period..... Minutes 30 (G) 41 P.S.I. THANKS!  
 Final Hydrostatic Pressure..... (H) 1592 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  
Start Test Date: 2014/08/13  
Final Test Date: 2014/08/13

Rugan Farms #2-24  
Formation: Lansing "A-C" 3245'-3300'  
Job Number: F296

# Rugan Farms #2-24







**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: RUGFA2DST1

TIME ON: 04:15  
TIME OFF: 11:43

Company LD Drilling, Inc. Lease & Well No. Rugan Farms #2-24  
Contractor Petromark Drilling Rig #2 Charge to LD Drilling, Inc  
Elevation 1892'KB Formation Lansing "A-C" Effective Pay \_\_\_\_\_ Ft. Ticket No. F296  
Date 8-13-14 Sec. 24 Twp. \_\_\_\_\_ 20 S Range \_\_\_\_\_ 14 W County Barton State KANSAS  
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Depth of Selective Zone Set \_\_\_\_\_

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Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 47 Drill Collar Length 125 ft. I.D. 2 1/4 in.  
Weight 8.7 Water Loss 8.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 8,000 P.P.M. Drill Pipe Length 3,095 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NA Reversed Out NA Anchor Length 55 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 21' PERF IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Surface blow, increased to .5" in 10 min. Blow died off.  
2nd Open: Surface blow, dead in 1 minute.

Recovered <u>10</u> ft. of <u>Drilling Mud</u>	<u>100% mud</u>
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	
	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) 8:10 AM \_\_\_\_\_ P.M. Time Started Off Bottom 10:10 AM \_\_\_\_\_ P.M. Maximum Temperature 104F

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