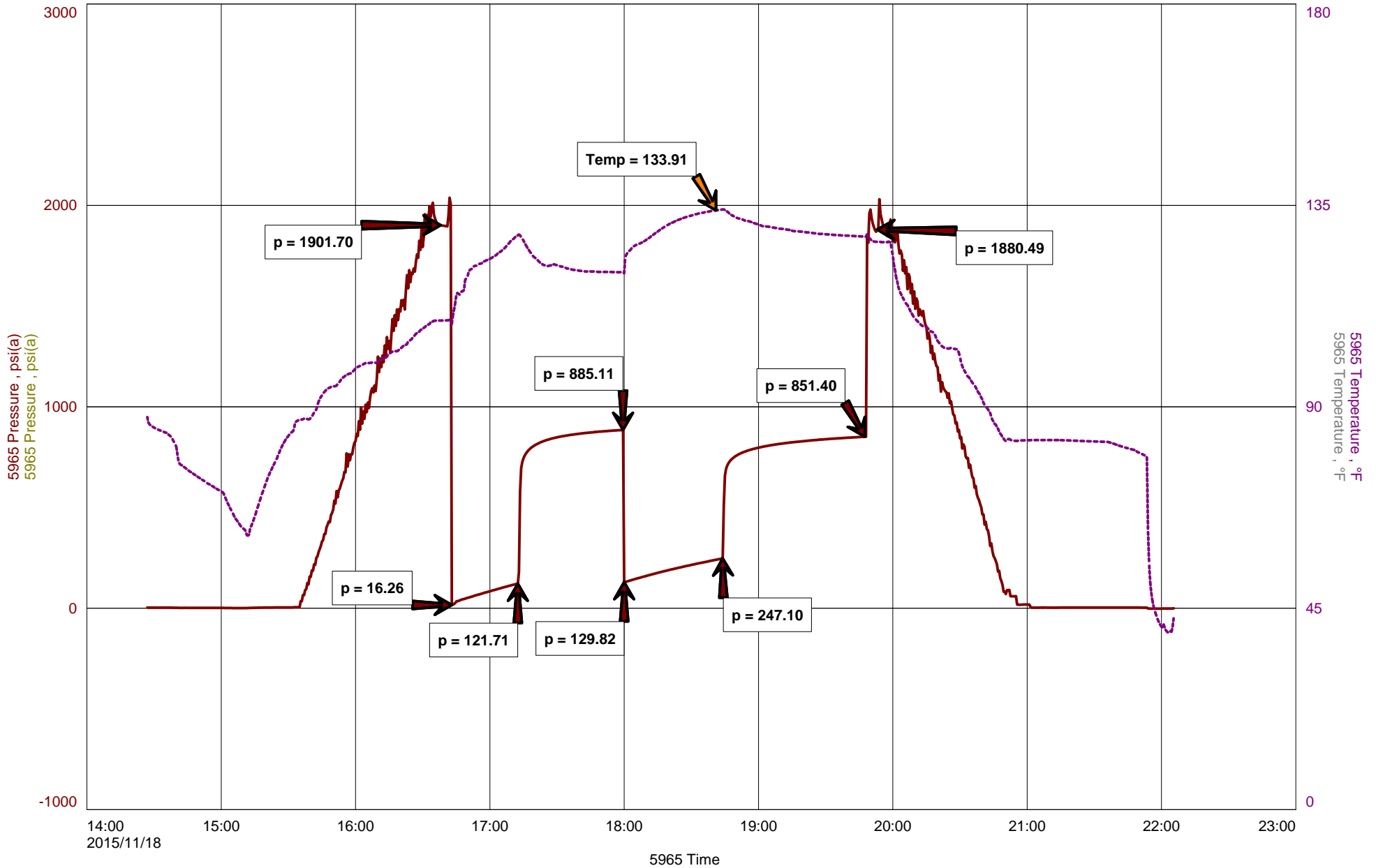


# Limited 2-31 DST 4





# Diamond Testing General Report

**Wilbur Steinbeck**  
**TESTER**  
**CELL: 620-282-1573**

## General Information

<b>Company Name</b>	LD Drilling	<b>Kim Shoemaker</b>	<b>Job Number</b>	W221
<b>Contact</b>		Limited 2-31 DST 4	<b>Representative</b>	Wilbur Steinbeck
<b>Well Name</b>		DST 4 Paw/Myric 4087-4145	<b>Well Operator</b>	LD 1
<b>Unique Well ID</b>		31-14s-29w Gove/Kans	<b>Report Date</b>	2015/11/18
<b>Surface Location</b>		Wildcat	<b>Prepared By</b>	Wilbur Steinbeck
<b>Field</b>			<b>Qualified By</b>	Kim Shoemaker

## Test Information

<b>Test Type</b>	Conventional		
<b>Formation</b>	Paw/Myric		
<b>Well Fluid Type</b>	01 Oil		
<b>Test Purpose (AEUB)</b>	Initial Test		
<b>Start Test Date</b>	2015/11/18	<b>Start Test Time</b>	14:27:00
<b>Final Test Date</b>	2015/11/18	<b>Final Test Time</b>	22:07:00

## Test Recovery

**Recovery**      3' Free Oil  
 50' WOCM 10%W 25%O 65%M  
 420' MCW 30%M 70%W  
 473' Total Fluid

**Tool Sample=MCW 25%M 75%W**

**RW=38**



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: Limited 2-31 DST 4

TIME ON: 14:27  
TIME OFF: 22:07

Company LD Drilling Lease & Well No. Limited 2-31  
Contractor LD Charge to LD  
Elevation 2619 KB Formation \_\_\_\_\_ Paw/Myric Effective Pay \_\_\_\_\_ Ft. Ticket No. W221  
Date 11-18-15 Sec. 31 Twp. \_\_\_\_\_ 14 S Range \_\_\_\_\_ 29 W County \_\_\_\_\_ Gove State KANSAS  
Test Approved By Kim Shoemaker Diamond Representative \_\_\_\_\_ Wilbur Steinbeck

Formation Test No. 4 Interval Tested from 4087 ft. to 4145 ft. Total Depth 4145 ft.  
Packer Depth 4082 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4087 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4073 ft. Recorder Number \_\_\_\_\_ 5965 Cap. \_\_\_\_\_ 5000 P.S.I.  
Bottom Recorder Depth (Outside) 4088 ft. Recorder Number \_\_\_\_\_ 5587 Cap. \_\_\_\_\_ 5,000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 51 Drill Collar Length \_\_\_\_\_ 0 ft. I.D. 2 1/4 in.  
Weight 9.1 Water Loss 7.4 cc. Weight Pipe Length \_\_\_\_\_ 0 ft. I.D. 2 7/8 in.  
Chlorides 1400 P.P.M. Drill Pipe Length 4054 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 7 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? Yes Reversed Out No Anchor Length 58 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB in 13 min No Return  
2nd Open: BOB in 15 min No Return

Recovered 3 ft. of Free Oil  
Recovered 50 ft. of WOCM 10%W 25%O 65%M  
Recovered 420 ft. of MCW 30%M 70%W  
Recovered 473 ft. of Total Fluid

Recovered _____ ft. of _____	65 Miles RT	Price Job
Recovered _____ ft. of _____		Other Charges
Remarks: <u>Tool Sample=MCW 25%M 75%W</u>		Insurance
<u>RW=38,000</u>		Total

Time Set Packer(s) 16:45 A.M. P.M. Time Started Off Bottom 19:45 A.M. P.M. Maximum Temperature 134  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ 1902 P.S.I.  
Initial Flow Period..... Minutes 30 (B) \_\_\_\_\_ 16 P.S.I. to (C) \_\_\_\_\_ 122 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) \_\_\_\_\_ 885 P.S.I.  
Final Flow Period..... Minutes 45 (E) \_\_\_\_\_ 130 P.S.I. to (F) \_\_\_\_\_ 247 P.S.I.  
Final Closed In Period..... Minutes 60 (G) \_\_\_\_\_ 851 P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ 1880 P.S.I.

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.