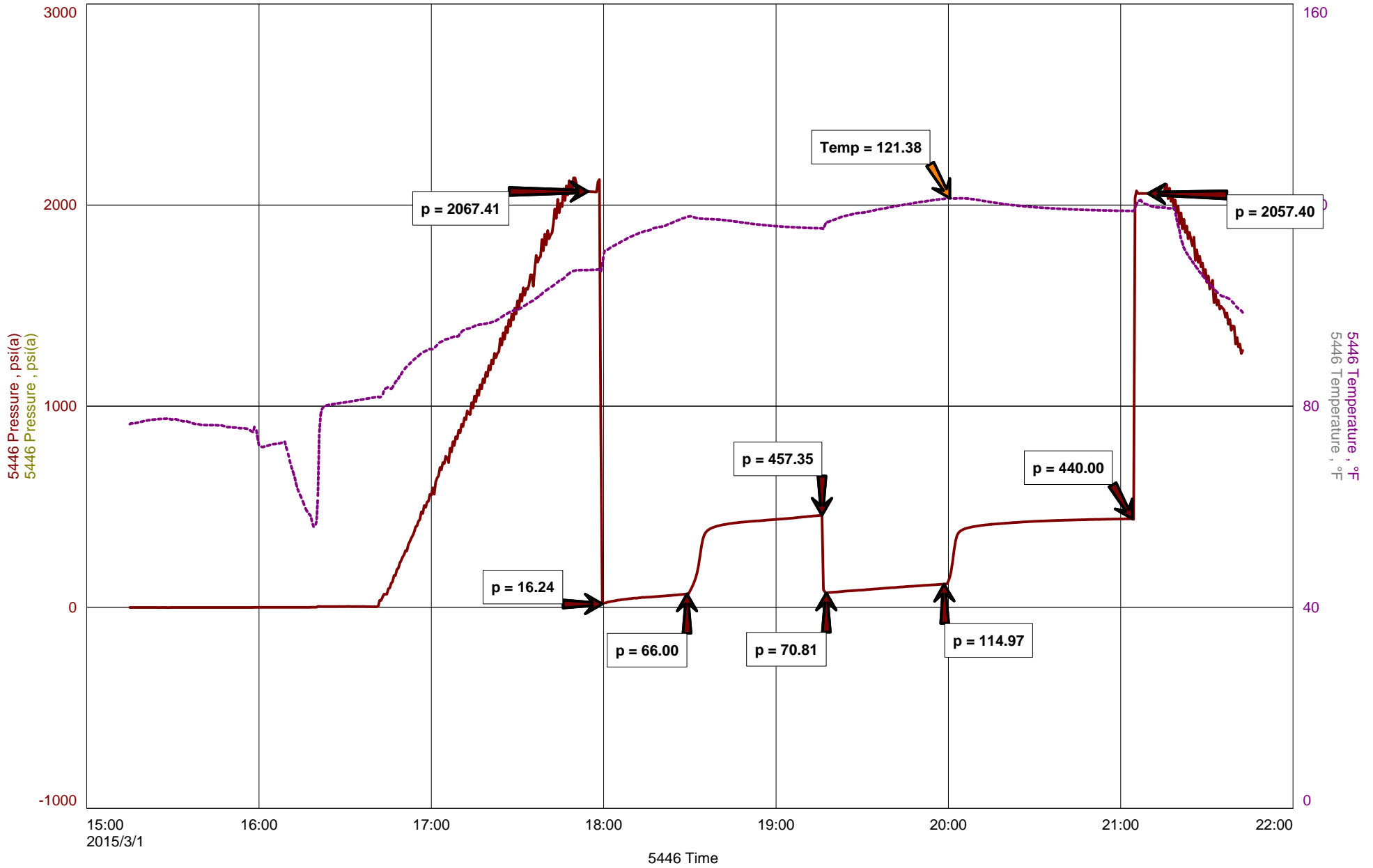


# Watt 3-10 DST 4





# 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>	W172
<b>Contact</b>		Watt 3-10	<b>Representative</b>	Wilbur Steinbeck
<b>Well Name</b>		DST 4 FT. Scott/Cherokee	<b>Well Operator</b>	LD
<b>Unique Well ID</b>		4317-4372	<b>Report Date</b>	2015/03/01
<b>Surface Location</b>		10-16s-30w Lane/Kans	<b>Prepared By</b>	Wilbur Steinbeck
<b>Field</b>		Wildcat	<b>Qualified By</b>	Kim Shoemaker

## Test Information

<b>Test Type</b>	Conventional		
<b>Formation</b>	Ft. Scott/Cherokee		
<b>Well Fluid Type</b>	01 Oil		
<b>Test Purpose (AEUB)</b>	Initial Test		
<b>Start Test Date</b>	2015/03/01	<b>Start Test Time</b>	15:15:00
<b>Final Test Date</b>	2015/03/01	<b>Final Test Time</b>	23:42:00

## Test Recovery

**Recovery** 125' Gassy Free Oil  
 145' GMCO 20%G 25%M 55%O  
 270' Total Fluid  
 1165' GIP

**Tool Sample** GMCO 15%G 25%M 60%O

**Corrected Gravity**=36.6



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: Watt 3-10 DST 4

TIME ON: 15:15  
TIME OFF: 23:42

Company LD Drilling Lease & Well No. Watt 3-10  
Contractor LD Charge to LD Drilling  
Elevation 2728 KB Formation Ft. Scott/Cherokee Effective Pay \_\_\_\_\_ Ft. Ticket No. W172  
Date 3-1-15 Sec. 10 Twp. \_\_\_\_\_ 16 S Range \_\_\_\_\_ 30 W County \_\_\_\_\_ Lane \_\_\_\_\_ State KANSAS  
Test Approved By Kim Shoemaker Diamond Representative \_\_\_\_\_ Wilbur Steinbeck

Formation Test No. 4 Interval Tested from 4317 ft. to 4372 ft. Total Depth 4372 ft.  
Packer Depth 4312 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4317 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4303 ft. Recorder Number 5446 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4318 ft. Recorder Number 5965 Cap. 5,000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Mud Type Chem Viscosity 55 Drill Collar Length \_\_\_\_\_ 0 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length \_\_\_\_\_ 0 ft. I.D. 2 7/8 in.  
Chlorides 3300 P.P.M. Drill Pipe Length 4284 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 07 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? Yes Reversed Out No Anchor Length 55 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 4 min Surface blow  
2nd Open: BOB in 4 min Built to 1"

Recovered 125 ft. of Gassy Free Oil  
Recovered 145 ft. of GMCO 20%G 25%M 55%O  
Recovered 270 ft. of Total Fluid  
Recovered 1165 ft. of GIP

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	65 Miles RT Other Charges
Remarks: _____	Insurance
Tool Sample <u>GMCO 15%G 25%M 60%O</u>	
Corrected Gravity= <u>36.6</u>	Total

Time Set Packer(s) 18:00 A.M. P.M. Time Started Off Bottom 21:00 A.M. P.M. Maximum Temperature 121  
Initial Hydrostatic Pressure..... (A) 2067 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 66 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 457 P.S.I.  
Final Flow Period..... Minutes 45 (E) 71 P.S.I. to (F) 115 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 440 P.S.I.  
Final Hydrostatic Pressure..... (H) 2057 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.