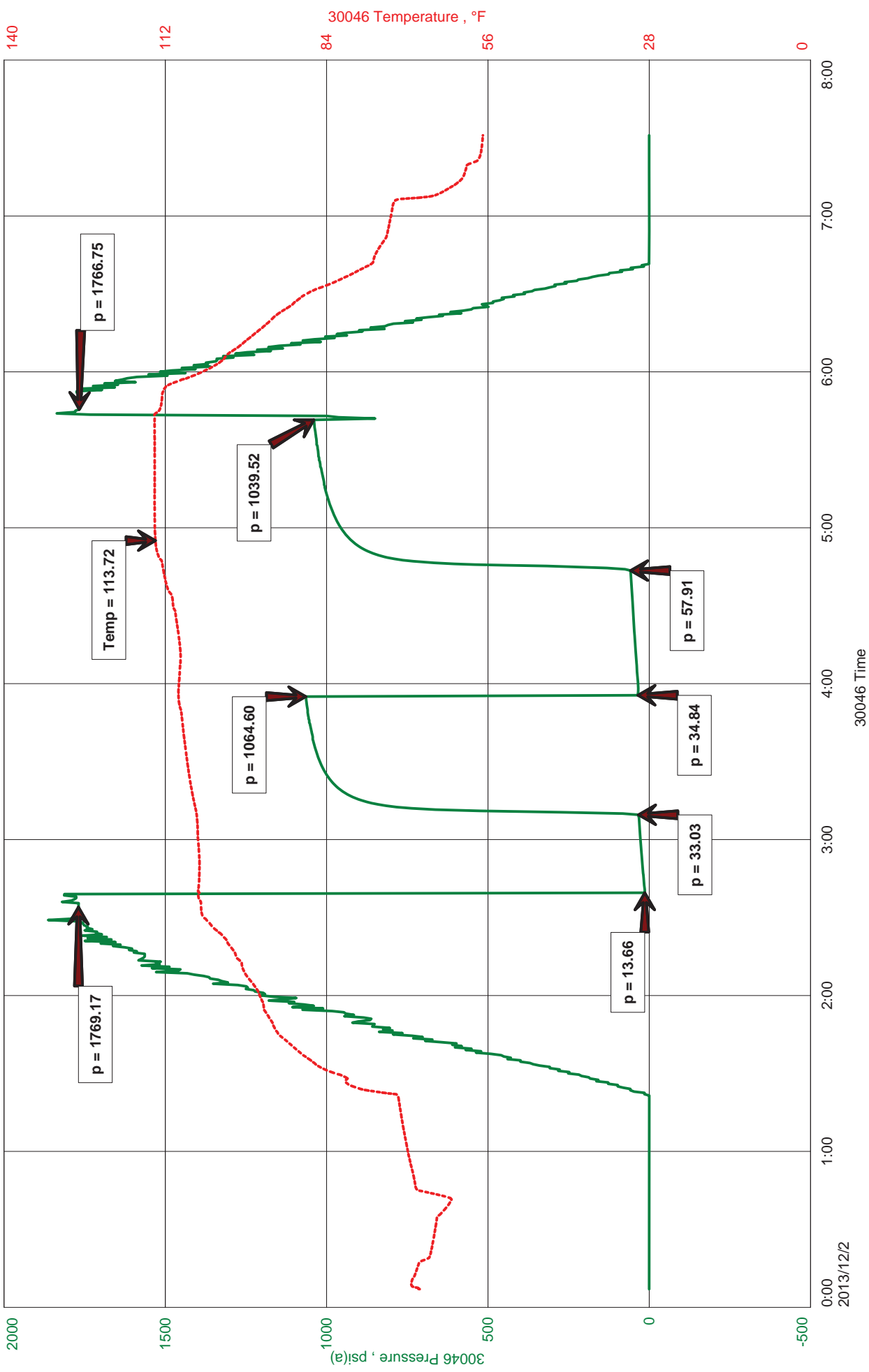


L.D. DRILLING, INC.  
DST #1 TORONTO/LANSING 'A' 3,783' - 3,830'  
Start Test Date: 2013/12/02  
Final Test Date: 2013/12/02

LUBBERS #2-27  
Formation: DST #1 TORONTO/LANSING 'A' 3,783' - 3,830'

# LUBBERS #2-27





**DIAMOND TESTING  
ROGER D. FRIEDLY - TESTER  
CELL 620-793-2043**

**Company Name** L.D. DRILLING, INC.  
**Contact** L.D. DAVIS  
**Well Name** LUBBERS #2-27  
**Unique Well ID** DST #1 TORONTO/LANSING 'A' 3,783' - 3,830'  
**Surface Location** SEC 27-12S-30W GOVE CO., KS  
**Field** WILDCAT

**Job Number**  
**Test Unit** NO. 1  
**Representative** ROGER D. FRIEDLY  
**Well Operator** L.D. DRILLING, INC.  
**Report Date** 2013/12/02  
**Prepared By** ROGER D. FRIEDLY  
**Qualified By** KIM SHOEMAKER

**Test Information**

**Test Type** CONVENTIONAL  
**Formation** DST #1 TORONTO/LANSING 'A' 3,783' - 3,830'  
**Test Purpose** Initial Test  
**Well Fluid Type** 06 Water  
**H2S**

**Start Test Date** 2013/12/02 **Start Test Time** 00:07:00  
**Final Test Date** 2013/12/02 **Final Test Time** 07:32:00

**Remarks**

**RECOVERED:** 35' WM 40% WTR, 60% MUD  
63' MW 70% WTR, 30% MUD  
98' TOTAL FLUID

**TOOL SAMPLE: 80% WTR, 20% MUD SOME FREE OIL ON TOP OF TOOL**

**CHLORIDES 28,000 Ppm**  
**PH: 8.0**  
**RW: .30 @ 58 deg.**



**DIAMOND TESTING**  
 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: LUBBERS2-27DST1

TIME ON: 00:07  
 TIME OFF: 07:32

Company L.D. DRILLING, INC. Lease & Well No. LUBBERS #2-27  
 Contractor L.D. DRILLING, INC. Charge to L.D. DRILLING, INC.  
 Elevation 2,763 KB Formation TORONTO/LANSING 'A' Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
 Date 12-2-13 Sec. 27 Twp. \_\_\_\_\_ 12 S Range \_\_\_\_\_ 30 W County GOVE State KANSAS  
 Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 1 Interval Tested from 3,783 ft. to 3,830 ft. Total Depth 3,830 ft.  
 Packer Depth 3,778 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3,783 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 3,786 ft. Recorder Number 30046 Cap. 5,000 P.S.I.  
 Bottom Recorder Depth (Outside) 3,827 ft. Recorder Number 13498 Cap. 3,925 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 52 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
 Weight 9.0 Water Loss 7.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 500 P.P.M. Drill Pipe Length 3,761 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number SAFTEY JOINT Test Tool Length 22 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 46 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>32' DP IN ANCHOR</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4" BLOW INCREASING TO 6" (NOBB)  
 2nd Open: WEAK SURFACE BLOW INCREASING TO 4" (NOBB)

Recovered 35 ft. of WM 40% WTR, 60% MUD  
 Recovered 63 ft. of MW 70% WTR, 30% MUD  
 Recovered 98 ft. of TOTAL FLUID

Recovered _____ ft. of _____	CHLORIDES: 28,000 Ppm	Price Job
Recovered _____ ft. of _____	PH 8.0	Other Charges
Remarks: _____	RW .30 @ 58 deg.	Insurance
<u>DIESEL IN BUCKET</u>		
<u>TOOL SAMPLE: 80% WTR, 20% MUD SOME FREE OIL ON TOP OF TOOL</u>		Total

Time Set Packer(s) 2:39 A.M. <sup>A.M.</sup> P.M. Time Started Off Bottom 5:39 A.M. <sup>A.M.</sup> P.M. Maximum Temperature 114

Initial Hydrostatic Pressure..... (A) 1,769 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 33 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 1,065 P.S.I.  
 Final Flow Period..... Minutes 45 (E) 35 P.S.I. to (F) 58 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 1,040 P.S.I.  
 Final Hydrostatic Pressure..... (H) 1,767 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.