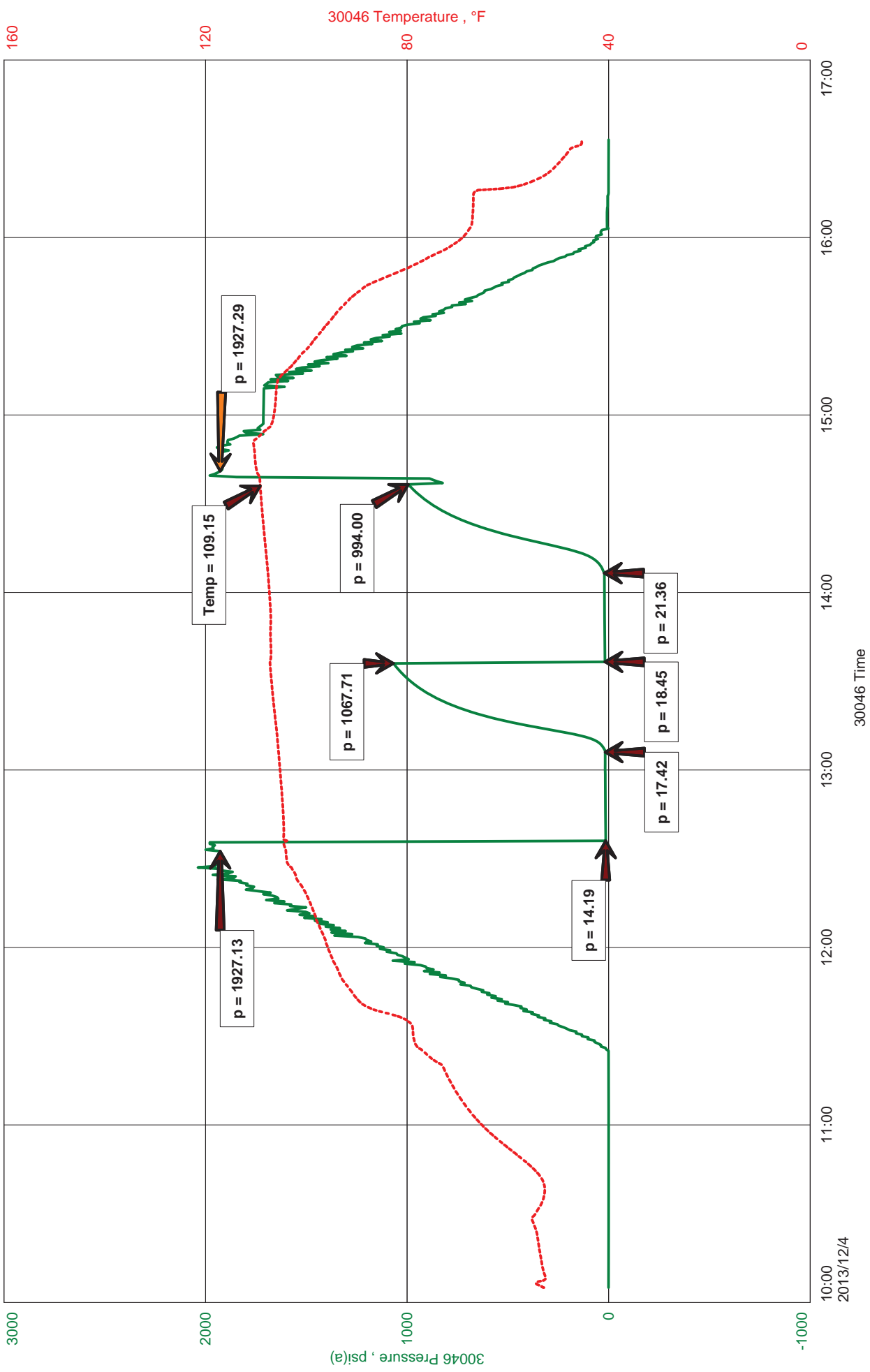


L.D. DRILLING, INC.  
DST #4 LKC 'K-L' 4,037' - 4,100'  
Start Test Date: 2013/12/04  
Final Test Date: 2013/12/04

LUBBERS #2-27  
Formation: DST #4 LKC 'K-L' 4,037' - 4,100'

# 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 #4 LKC 'K-L' 4,037' - 4,100'  
**Surface Location** SEC 27-12S-30W GOVE CNTY, KS  
**Field** WILDCAT

**Test Information**

**Job Number**  
**Test Unit** NO. 1  
**Representative** ROGER D. FRIEDLY  
**Well Operator** L.D. DRILLING, INC.  
**Report Date** 2013/12/04  
**Prepared By** ROGER D. FRIEDLY  
**Qualified By** KIM SHOEMAKER

**Test Type** CONVENTIONAL  
**Formation** DST #4 LKC 'K-L' 4,037' - 4,100'  
**Test Purpose** Initial Test  
**Well Fluid Type** 01 Oil  
**H2S**

**Start Test Date** 2013/12/04 **Start Test Time** 10:05:00  
**Final Test Date** 2013/12/04 **Final Test Time** 16:36:00

**Remarks**

**RECOVERED:** 15' DM 100% MUD  
 15' TOTAL FLUID

**TOOL SAMPLE: 100% MUD - SOME FREE OIL IN TOOL**



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: LUBBERS2-27DST4

TIME ON: 10:05  
TIME OFF: 16:36

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 LKC 'K-L' Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date 12-4-13 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. 4 Interval Tested from 4,037 ft. to 4,100 ft. Total Depth 4,100 ft.  
Packer Depth 4,032 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4,037 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4,040 ft. Recorder Number 30046 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4,097 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 50 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.2 Water Loss 10.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 500 P.P.M. Drill Pipe Length 4,015 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 63 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>31' DP IN ANCHOR</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

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

Recovered 15 ft. of DM 100% MUD  
Recovered 15 ft. of TOTAL FLUID  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>DIESEL IN BUCKET</u>	Insurance
<u>TOOL SAMPLE: 100% DM - SOME OIL IN TOOL</u>	Total

Time Set Packer(s) 12:35 P.M. <sup>A.M.</sup> P.M. Time Started Off Bottom 2:35 P.M. <sup>A.M.</sup> P.M. Maximum Temperature 109

Initial Hydrostatic Pressure..... (A) 1,927 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 17 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 1,068 P.S.I.  
Final Flow Period..... Minutes 30 (E) 18 P.S.I. to (F) 21 P.S.I.  
Final Closed In Period..... Minutes 30 (G) 994 P.S.I.  
Final Hydrostatic Pressure..... (H) 1,927 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.