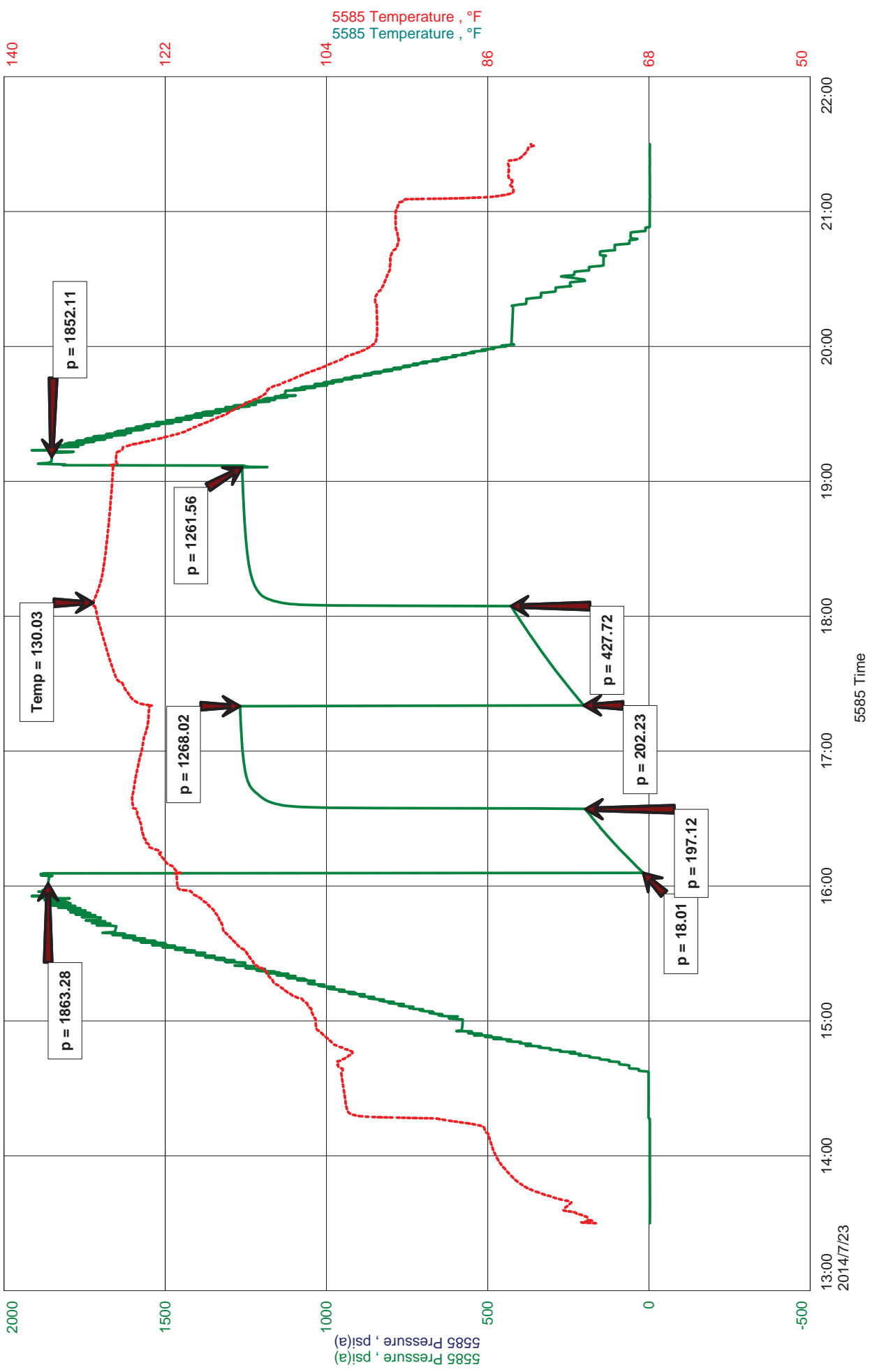


LD DRILLING INC  
DST1"TOR/LANS"3909-4005  
Start Test Date: 2014/07/23  
Final Test Date: 2014/07/23

ZEIGELMEIER 1-21  
Formation: DST1"TOR/LANS"3909-4005  
Pool: WILDCAT  
Job Number: A066

# ZEIGELMEIER 1-21



# DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA  
CELL # 620-617-7202

## General Information

Company Name	LD DRILLING INC	LD DAVIS	Job Number	A066
Contact			Representative	ANDY CARREIRA
Well Name		ZEIGELMEIER 1-21	Well Operator	LD DRILLING INC
Unique Well ID		DST1"TOR/LANS"3909-4005	Report Date	2014/07/23
Surface Location	SEC 2-5S-32W RAWLINS CNTY, KS		Prepared By	ANDY CARREIRA
Well License Number				
Field		WILDCAT		
Well Type		Vertical		

## Test Information

Test Type	CONVENTIONAL
Formation	DST1"TOR/LANS"3909-4005
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/07/23	Start Test Time	13:30:00
Final Test Date	2014/07/23	Final Test Time	21:30:00

Gauge Name	5585
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## Test Results

RECOVERY:	910' MW	CHLORIDES: 37000
		RW: .17 @ 80 deg
		Ph: 7

TOOL SAMPLE: TRACE OIL, WATER



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313

TIME ON: 13:30  
TIME OFF: 21:30

**DRILL-STEM TEST TICKET**  
FILE: ZEIGELMEIER 1-21DST1

Company LD DRILLING INC. Lease & Well No. ZEIGELMEIER 1-21  
Contractor LD RIG 1 Charge to LD DRILLING INC.  
Elevation 2981 KB Formation TOR/LANS Effective Pay \_\_\_\_\_ Ft. Ticket No. A066  
Date 7-23-14 Sec. 2 Twp. 5 S Range 32 W County RAWLINS State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative ANDY CARREIRA

Formation Test No. 1 Interval Tested from 3909 ft. to 4005 ft. Total Depth 4005 ft.  
Packer Depth 3904 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3909 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 3890 ft. Recorder Number 5585 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3912 ft. Recorder Number 8471 Cap. 10000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 47 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.0 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 2000 P.P.M. Drill Pipe Length 3876 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 09 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 96 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB IN 10 MIN. (NObb)  
2nd Open: BOB IN 10 MIN. (NObb)

Recovered 910 ft. of MW  
Recovered \_\_\_\_\_ ft. of CHLORIDES: 37000  
Recovered \_\_\_\_\_ ft. of RW: .17 @ 80 deg  
Recovered \_\_\_\_\_ ft. of Ph: 7

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
<u>TOOL SAMPLE: TRACE OIL, WATER</u>	Total

Time Set Packer(s) 4:05 PM A.M. P.M. Time Started Off Bottom 7:05 PM A.M. P.M. Maximum Temperature 130

Initial Hydrostatic Pressure..... (A) 1863 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 18 P.S.I. to (C) 197 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1268 P.S.I.  
Final Flow Period..... Minutes 45 (E) 202 P.S.I. to (F) 428 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1262 P.S.I.  
Final Hydrostatic Pressure..... (H) 1852 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.