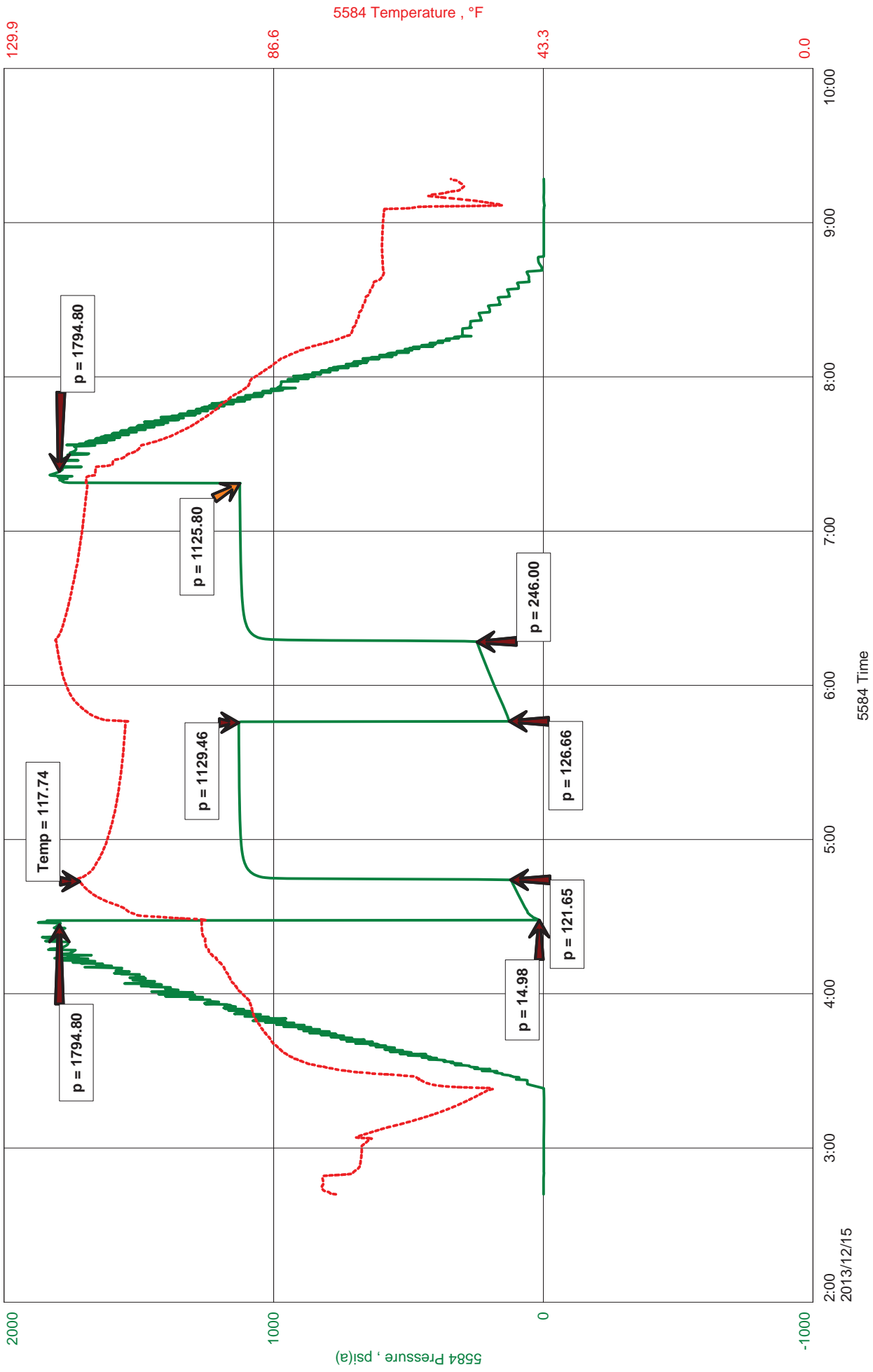


REILLY OIL COMPANY, INC.  
DST #2 LKC 'D' 3,743' - 3,762'  
Start Test Date: 2013/12/15  
Final Test Date: 2013/12/15

MARY #1-7  
Formation: DST #2 LKC 'D' 3,743' - 3,762'

# MARY #1-7





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

**Company Name** REILLY OIL COMPANY, INC.  
**Contact** DUSTY RHOADES  
**Well Name** MARY #1-7  
**Unique Well ID** DST #2 LKC 'D' 3,743' - 3,762'  
**Surface Location** SEC 7-11S-24W TREGO CNTY, KS  
**Start Test Date** 2013/12/15  
**Final Test Date** 2013/12/15  
**Test Type** CONVENTIONAL  
**Formation** DST #2 LKC 'D' 3,743' - 3,762'  
**Test Purpose** Initial Test  
**Well Fluid Type** 01 Oil

**Job Number**  
**Test Unit** NO. 1  
**Representative** ROGER D. FRIEDLY  
**Well Operator** REILLY OIL COMPANY, INC.  
**Report Date**  
**Prepared By** ROGER D. FRIEDLY  
**Qualified By** RICHARD BELL  
**Start Test Time** 02:42:00  
**Final Test Time** 09:17:00

**Remarks**

**RECOVERED:** 60' GAS IN PIPE  
 218' CLEAN OIL 27 GRAVITY @ 60 deg.  
 93' OSMW 1% OIL, 89% WTR, 10% MUD  
 307' SW 100% WTR - FEW OIL SPECKS  
 618' TOTAL FLUID

**TOOL SAMPLE: 4% OIL, 96% WTR**

**CHLORIDES** 68,000 Ppm  
**PH** 8.0  
**RW** .10 @ 87 deg



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: MARY1-7DST2

TIME ON: 02:42  
TIME OFF: 09:17

Company REILLY OIL CO., INC. Lease & Well No. MARY #1-7  
Contractor WW RIG #6 Charge to REILLY OIL CO., INC.  
Elevation 2,376 KB Formation LKC 'D' Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date 12-15-13 Sec. 7 Twp. \_\_\_\_\_ 11 S Range \_\_\_\_\_ 24 W County TREGO State KANSAS  
Test Approved By RICHARD BELL Diamond Representative ROGER D. FRIEDLY

Formation Test No. 2 Interval Tested from 3,743 ft. to 3,762 ft. Total Depth 3,762 ft.  
Packer Depth 3,738 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3,743 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 3,731 ft. Recorder Number \_\_\_\_\_ Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 3,759 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 63 Drill Collar Length 121 ft. I.D. 2 1/4 in.  
Weight 9.0 Water Loss 6.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 2,700 P.P.M. Drill Pipe Length 3,597 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number N/A Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 19 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: FAIR 1" BLOW INCREASING TO BOTTOM OF BUCKET IN 5 MIN (W 1 1/2" BB DIED)  
2nd Open: FAIR 4" BLOW INCREASING TO BOTTOM OF BUCKET IN 10 MIN (2 1/4" BB DIED)

Recovered 60 ft. of GAS IN PIPE  
Recovered 218 ft. of CLEAN OIL 27 GRAVITY @ 60 deg.  
Recovered 93 ft. of OSMW 1% OIL, 89% WTR, 10% MUD  
Recovered 307 ft. of SW 100% WTR - FEW OIL SPECKS

Recovered <u>618</u> ft. of <u>TOTAL FLUID</u>	<u>CHLORIDES 68,000 Ppm</u>	Price Job
Recovered _____ ft. of _____	<u>PH 8.0</u>	Other Charges
Remarks: _____	<u>RW .10 @ 87 deg.</u>	Insurance
<u>DIESEL IN BUCKET</u>		
<u>TOOL SAMPLE: 4% OIL, 96% WTR</u>		Total

Time Set Packer(s) 4:29 A.M. A.M. P.M. Time Started Off Bottom 7:14 A.M. A.M. P.M. Maximum Temperature 118

Initial Hydrostatic Pressure..... (A) 1,795 P.S.I.  
Initial Flow Period..... Minutes 15 (B) 15 P.S.I. to (C) 122 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 1,129 P.S.I.  
Final Flow Period..... Minutes 30 (E) 127 P.S.I. to (F) 246 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1,126 P.S.I.  
Final Hydrostatic Pressure..... (H) 1,795 P.S.I.

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