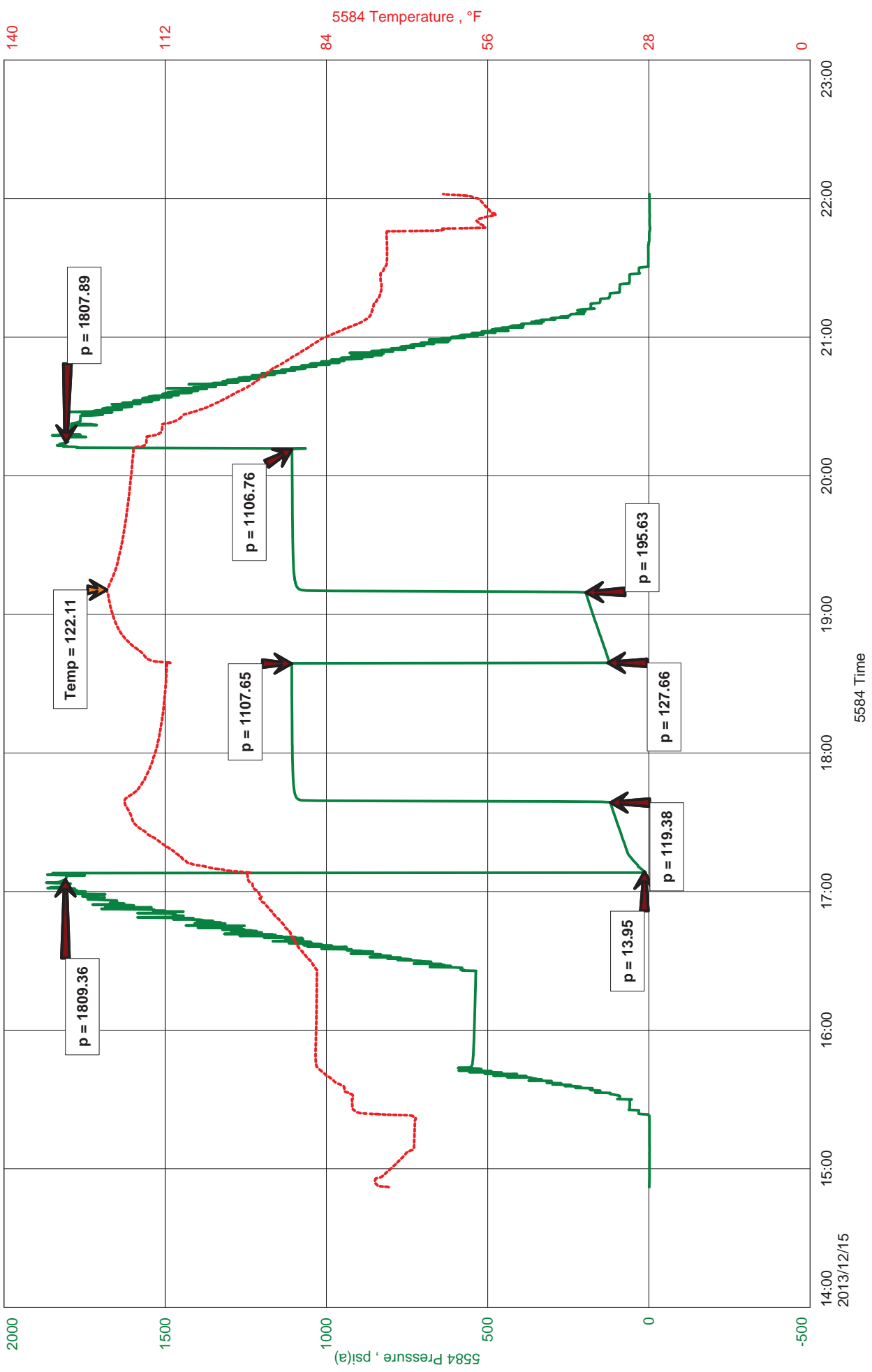


REILLY OIL COMPANY, INC.
DST #3 LKC 'E-F' 3,769' - 3,790'
Start Test Date: 2013/12/15
Final Test Date: 2013/12/15

MARY #1-7
Formation: DST #3 LKC 'E-F' 3,769' - 3,790'

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 #3 LKC 'E-F' 3,769' - 3,790'
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 #3 LKC 'E-F' 3,769' - 3,790'
Test Purpose Initial Test
Well Fluid Type 01 Oil

Job Number NO. 1
Test Unit
Representative ROGER D. FRIEDLY
Well Operator REILLY OIL COMPANY, INC.
Report Date 2013/12/15
Prepared By ROGER D. FRIEDLY
Qualified By RICHARD BELL
Start Test Time 14:52:00
Final Test Time 22:02:00

Remarks

RECOVERED: 10' CLEAN OIL 25 GRAVITY @ 60 deg.
145' SOSMW 2% OIL, 92% WTR, 6% MUD
245' SW 100% WTR - SCUM OF OIL
400' TOTAL FLUID

TOOL SAMPLE: 3% OIL, 97% WTR

CHLORIDES 65,000 Ppm
PH 7.0
RW .12 @ 75 deg.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: MARY1-7DST3

TIME ON: 14:52
TIME OFF: 22:02

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 'E-F' 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. 3 Interval Tested from 3,769 ft. to 3,790 ft. Total Depth 3,790 ft.
Packer Depth 3,764 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3,769 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,757 ft. Recorder Number 5584 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3,787 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 3,623 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: WEAK 1/4" BLOW INCREASING TO BOTTOM OF BUCKET IN 18 MIN (NOBB)
2nd Open: WEAK SUFACE BLOW INCREASING TO 9 1/2" (NOBB)

Recovered 10 ft. of CLEAN OIL 25 GRAVITY @ 60 deg.
Recovered 145 ft. of SOSMW 2% OIL, 92% WTR, 6% MUD
Recovered 245 ft. of SW 100% WTR - SCUM OF OIL
Recovered 400 ft. of TOTAL FLUID CHLORIDES 65,000 Ppm

Recovered _____ ft. of _____	PH 7.0	Price Job
Recovered _____ ft. of _____	RW .12 @ 75 deg.	Other Charges
Remarks: <u>DIESEL IN BUCKET</u>		Insurance
<u>TOOL SAMPLE: 3% OIL, 97% WTR</u>		Total

Time Set Packer(s) 5:08 P.M. A.M. P.M. Time Started Off Bottom 8:08 P.M. A.M. P.M. Maximum Temperature 122

Initial Hydrostatic Pressure..... (A) 1,809 P.S.I.
Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 119 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 1,108 P.S.I.
Final Flow Period..... Minutes 30 (E) 128 P.S.I. to (F) 196 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1,107 P.S.I.
Final Hydrostatic Pressure..... (H) 1,808 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.