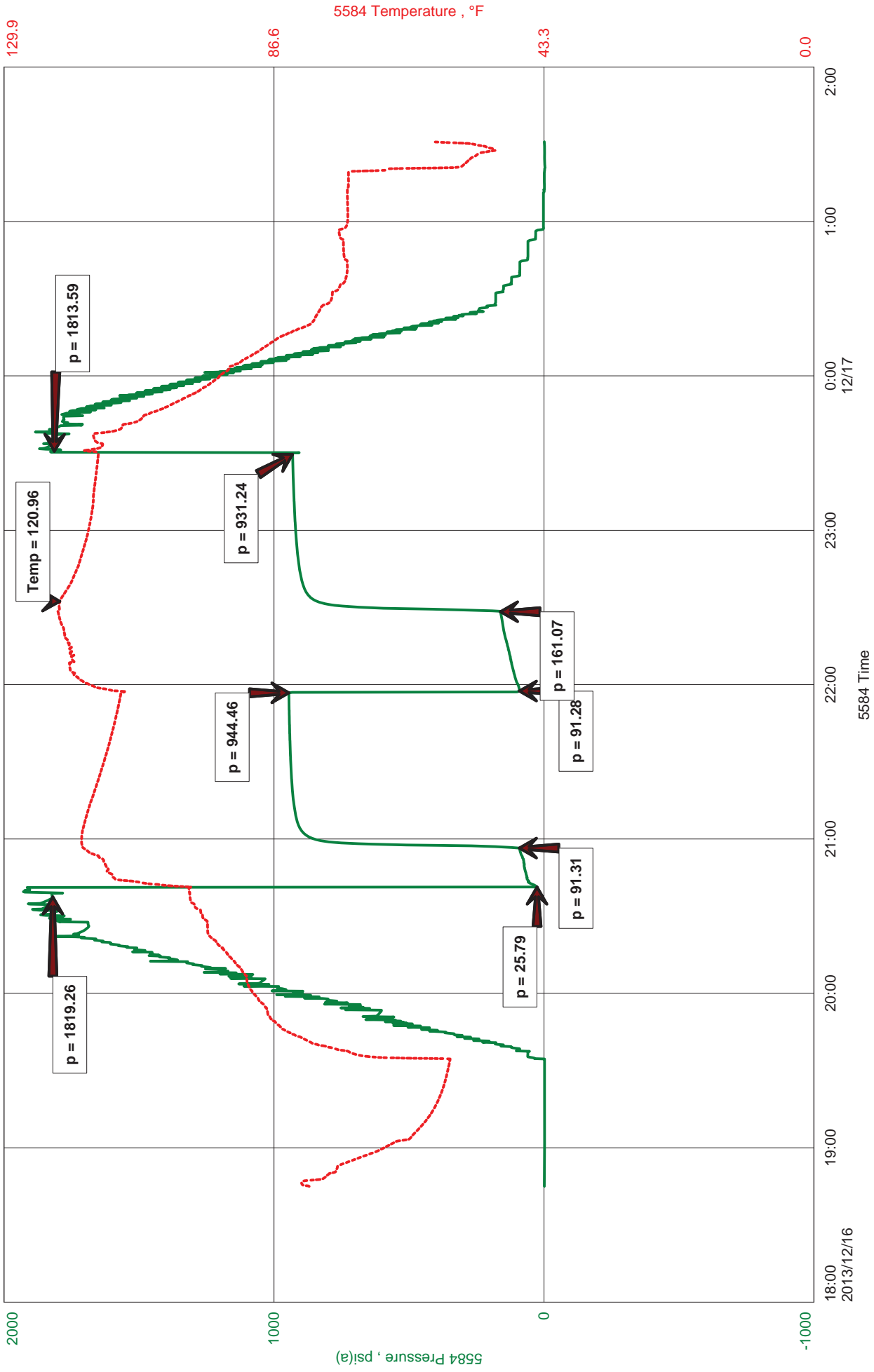


REILLY OIL COMPANY, INC.
DST #5 LKC '1' 3,854' - 3,873'
Start Test Date: 2013/12/16
Final Test Date: 2013/12/17

MARY #1-7
Formation: DST #5 LKC '1' 3,854' - 3,873'

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 #5 LKC 'I' 3,854' - 3,873'
Surface Location SEC 7-11-24 TREGO CNTY, KS

Start Test Date 2013/12/16
Final Test Date 2013/12/17
Test Type CONVENTIONAL
Formation DST #5 LKC 'I' 3,854' - 3,873'
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 2013/12/17
Prepared By ROGER D. FRIEDLY
Qualified By RICHARD BELL
Start Test Time 18:45:00
Final Test Time 01:31:00

Remarks

RECOVERED: 750' GAS IN PIPE
341' CLEAN OIL 43.5 GRAVITY @ 60 deg.
31' G&OCMW 5% GAS, 30% OIL, 37% WTR, 27% MUD
121' SW 100% WTR
493' TOTAL FLUID

TOOL SAMPLE: 49% OIL, 51% WTR

CHLORIDES: 63,000 Ppm
PH 7.0
RW .14 @ 66 deg



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: MARY1-7DST5

TIME ON: 18:45 (12.16)
TIME OFF: 01:31(12.17)

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 'I' Effective Pay _____ Ft. Ticket No. _____
Date 12-16-13 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. 5 Interval Tested from 3,854 ft. to 3,873 ft. Total Depth 3,873 ft.
Packer Depth 3,849 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3,854 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3,842 ft. Recorder Number 5584 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3,870 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 121 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 6.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,800 P.P.M. Drill Pipe Length 3,708 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: GOOD 2" BLOW INCREASING TO BOTTOM OF BUCKET IN 4 MIN (F 2"BB)
2nd Open: GOOD 2" BLOW INCREASING TO BOTTOM OF BUCKET IN 4 MIN (G 9"BB)

Recovered <u>750</u> ft. of <u>GAS IN PIPE</u>	
Recovered <u>341</u> ft. of <u>GLEAN OIL 43.5 GRAVITY @ 60 deg.</u>	
Recovered <u>31</u> ft. of <u>G&OCMW 5% GAS, 30% OIL, 37% WTR, 27% MUD</u>	
Recovered <u>121</u> ft. of <u>SW 100% WTR</u>	<u>CHLORIDES 63,000 Ppm</u>
Recovered <u>493</u> ft. of <u>TOTAL FLUID</u>	<u>PH 7.0</u>
Recovered _____ ft. of _____	<u>RW .14 @ 66 deg</u>
Remarks: _____	<u>Price Job</u>
<u>DIESEL IN BUCKET</u>	<u>Insurance</u>
<u>TOOL SAMPLE: 49% OIL, 51% WTR</u>	<u>Total</u>

Time Set Packer(s) 8:41 P.M. A.M. P.M. Time Started Off Bottom 11:26 P.M. A.M. P.M. Maximum Temperature 121

Initial Hydrostatic Pressure..... (A) 1,819 P.S.I.
Initial Flow Period..... Minutes 15 (B) 26 P.S.I. to (C) 91 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 944 P.S.I.
Final Flow Period..... Minutes 30 (E) 91 P.S.I. to (F) 161 P.S.I.
Final Closed In Period..... Minutes 60 (G) 931 P.S.I.
Final Hydrostatic Pressure..... (H) 1,819 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.