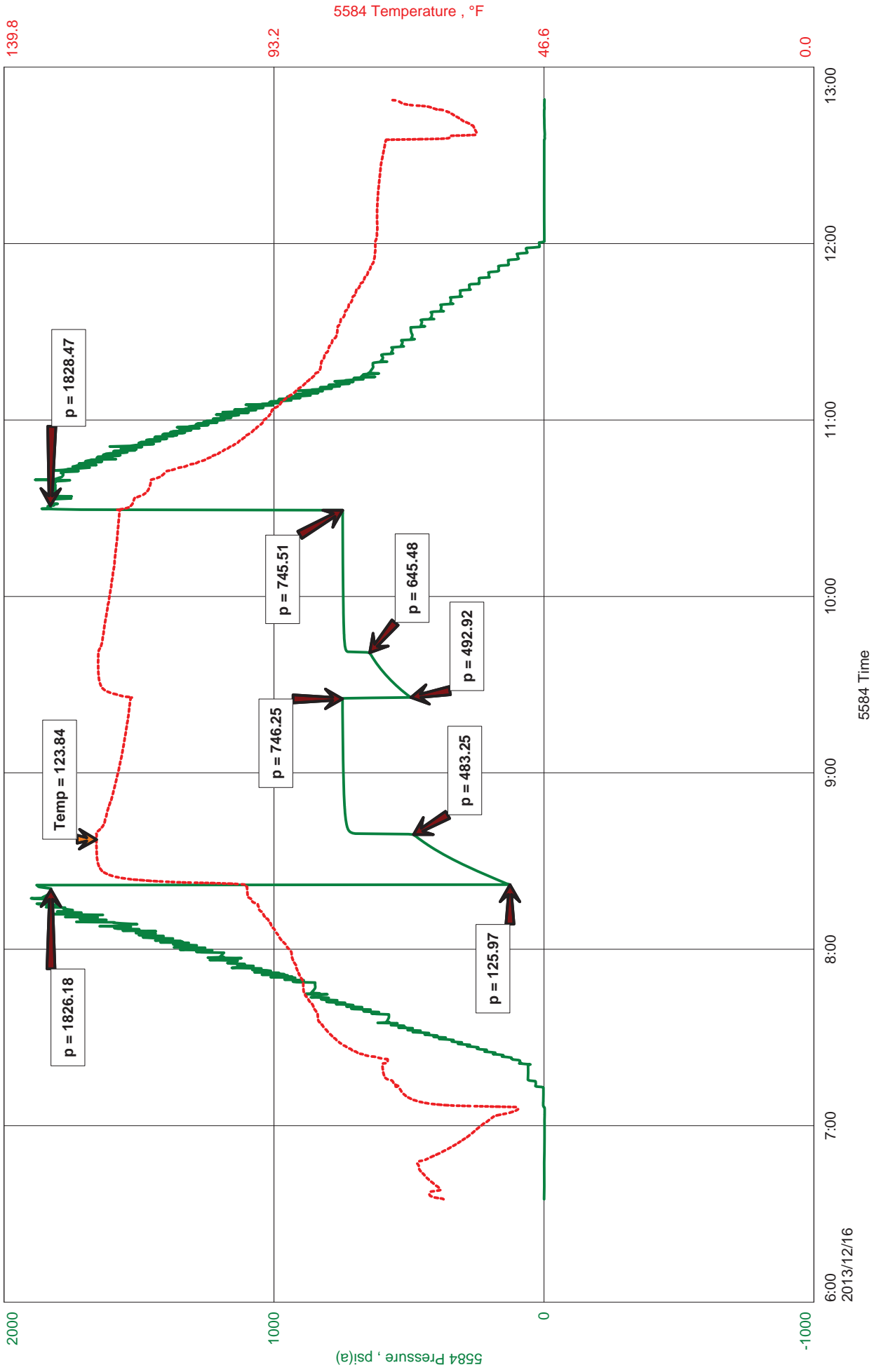


REILLY OIL COMPANY, INC.
DST #4 LKC 'H' 3,824' - 3,845'
Start Test Date: 2013/12/16
Final Test Date: 2013/12/16

MARY #1-7
Formation: DST #4 LKC 'H' 3,824' - 3,845'

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 #4 LKC 'H' 3,824' - 3,845'
Surface Location SEC 7-11S-24W TREGO CNTY, KS

Start Test Date 2013/12/16
Final Test Date 2013/12/16
Test Type CONVENTIONAL
Formation DST #4 LKC 'H' 3,824' - 3,845'
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 2013/12/16
Prepared By ROGER D. FRIEDLY
Qualified By RICHARD BELL
Start Test Time 06:35:00
Final Test Time 12:49:00

Remarks

RECOVERED: 20' CLEAN OIL 36 GRAVITY @ 60 deg.
92' O&GCWM 10% GAS, 4% OIL, 39% WTR, 47% MUD
372' OCMW 4% OIL, 92% WTR, 4% MUD - SCUM OF OIL
803' MW 98% WTR, 2% MUD
1,287' TOTAL FLUID

TOOL SAMPLE: 37% OIL, 60% WTR, 3% MUD

CHLORIDES 73,000 Ppm
PH 7.0
RW .12 @ 73 deg.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: MARY1-7DST4

TIME ON: 06:35
TIME OFF: 12:49

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 'H' 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. 4 Interval Tested from 3,824 ft. to 3,845 ft. Total Depth 3,845 ft.
Packer Depth 3,819 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3,824 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,812 ft. Recorder Number 5584 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3,842 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 _____ Drill Collar Length 121 ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length 3,678 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 21 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: **STRONG BLOW OFF BOTTOM OF BUCKET IN 1 MIN** (NOBB)
2nd Open: **STRONG BLOW OFF BOTTOM OF BUCKET IN 2 MIN** (NOBB)

Recovered 20 ft. of CLEAN OIL 36 GRAVITY @ 60 deg.
Recovered 92 ft. of O&GCWM 10% GAS, 4% OIL, 39% WTR, 47% MUD
Recovered 372 ft. of OCMW 4% OIL, 92% WTR, 4% MUD
Recovered 803 ft. of MW 98% WTR, 2% MUD - SCUM OF OIL

| | | |
|--|-----------------------------|---------------|
| Recovered <u>1,287</u> ft. of <u>TOTAL FLUID</u> | <u>CHLORIDES 73,000 Ppm</u> | Price Job |
| Recovered _____ ft. of _____ | <u>PH 7.0</u> | Other Charges |
| Remarks: _____ | <u>RW .12 @ 73 deg</u> | Insurance |
| <u>DIESEL IN BUCKET</u> | | |
| <u>TOOL SAMPLE: 37% OIL, 60% WTR, 3% MUD</u> | | Total |

Time Set Packer(s) 8:22 A.M. A.M. P.M. Time Started Off Bottom 10:22 A.M. A.M. P.M. Maximum Temperature 124

Initial Hydrostatic Pressure..... (A) 1,826 P.S.I.
Initial Flow Period..... Minutes 15 (B) 126 P.S.I. to (C) 483 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 746 P.S.I.
Final Flow Period..... Minutes 15 (E) 493 P.S.I. to (F) 645 P.S.I.
Final Closed In Period..... Minutes 45 (G) 746 P.S.I.
Final Hydrostatic Pressure..... (H) 1,828 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.