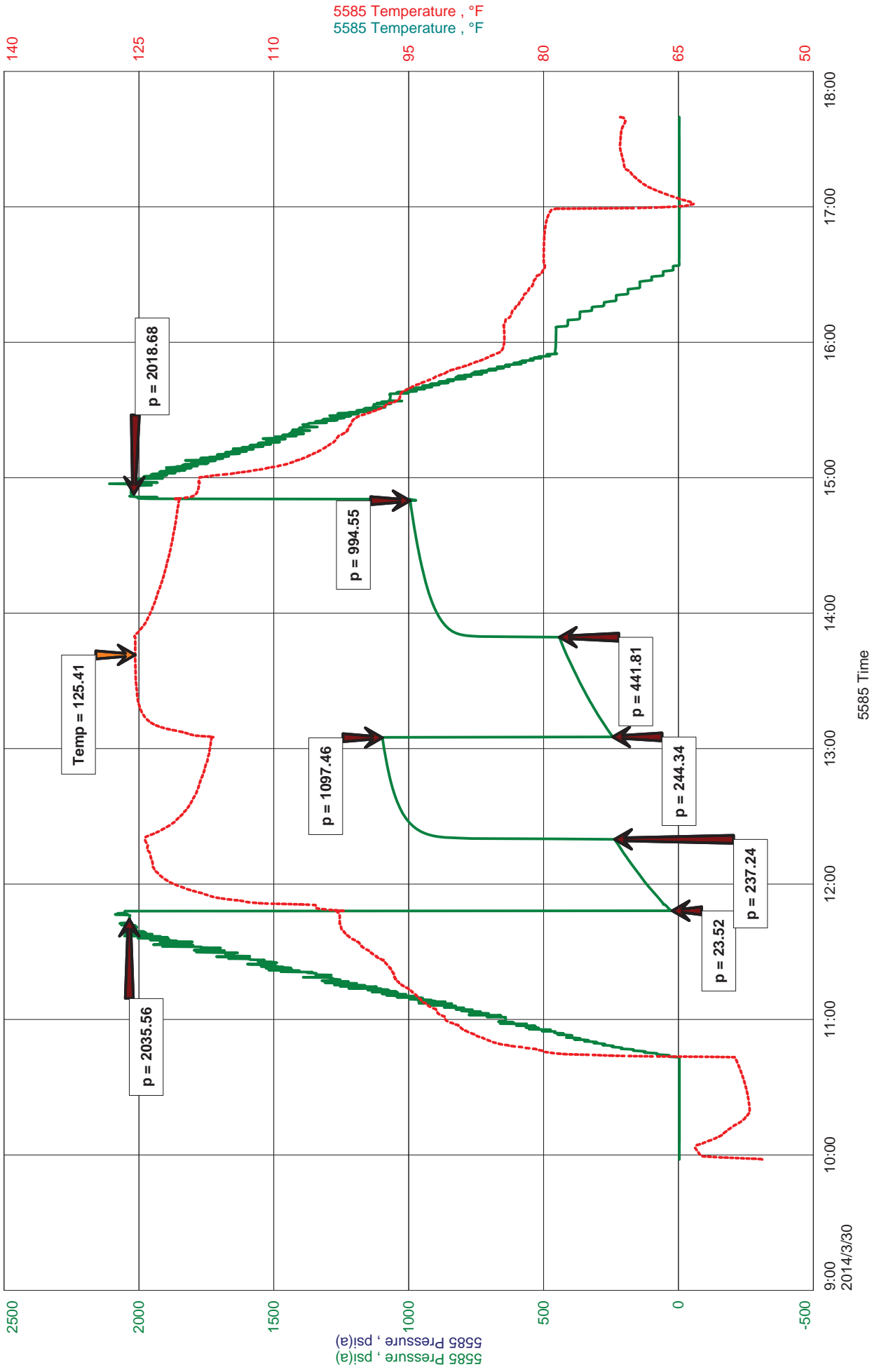


NEW GULF OPERATING LLC  
DST3 LKC"J,K" 4226-4284  
Start Test Date: 2014/03/30  
Final Test Date: 2014/03/30

FROMHOLTZ 1-14  
Formation: DST3 LKC"J,K" 4226-4284  
Pool: WILDCAT  
Job Number: A034

# FROMHOLTZ 1-14





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: FROMHOLTZ 1-14 DST3

TIME ON: 09:58  
TIME OFF: 17:40

Company NEW GULF OPERATING LLC. Lease & Well No. FROMHOLTZ 1-14  
Contractor VAL 4 Charge to NEW GULF OPERATING LLC.  
Elevation 3001 KB Formation LKC "J,K" Effective Pay \_\_\_\_\_ Ft. Ticket No. A034  
Date 3-30-14 Sec. 14 Twp. \_\_\_\_\_ 12 S Range \_\_\_\_\_ 32 W County LOGAN State KANSAS  
Test Approved By JOHN GOLDSMITH Diamond Representative ANDY CARREIRA

Formation Test No. 3 Interval Tested from 4226 ft. to 4284 ft. Total Depth 4284 ft.  
Packer Depth 4221 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 422 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 4205 ft. Recorder Number 5585 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4228 ft. Recorder Number 8471 Cap. 10000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 49 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 3000 P.P.M. Drill Pipe Length 4193 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 58 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 6 MIN. (NObb)  
2nd Open: BOB IN 9 MIN. (NObb)

Recovered 189 ft. of OSGMW 5%G, TRACE OIL, 91%W, 4%M  
Recovered 819 ft. of GMW 3%G, 95%W, 2%M  
Recovered 1008 ft. of TOTAL FLUID CHLORIDES: 58000

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_ Ph: 7

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_ RW: .12 @ 77

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

TOOL SAMPLE: 3% OIL, 97% WATER

Time Set Packer(s) 11:50 AM A.M. P.M. Time Started Off Bottom 2:50 PM A.M. P.M. Maximum Temperature 125

Initial Hydrostatic Pressure..... (A) 2036 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 24 P.S.I. to (C) 237 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1098 P.S.I.  
Final Flow Period..... Minutes 45 (E) 244 P.S.I. to (F) 442 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 995 P.S.I.  
Final Hydrostatic Pressure..... (H) 2019 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.



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