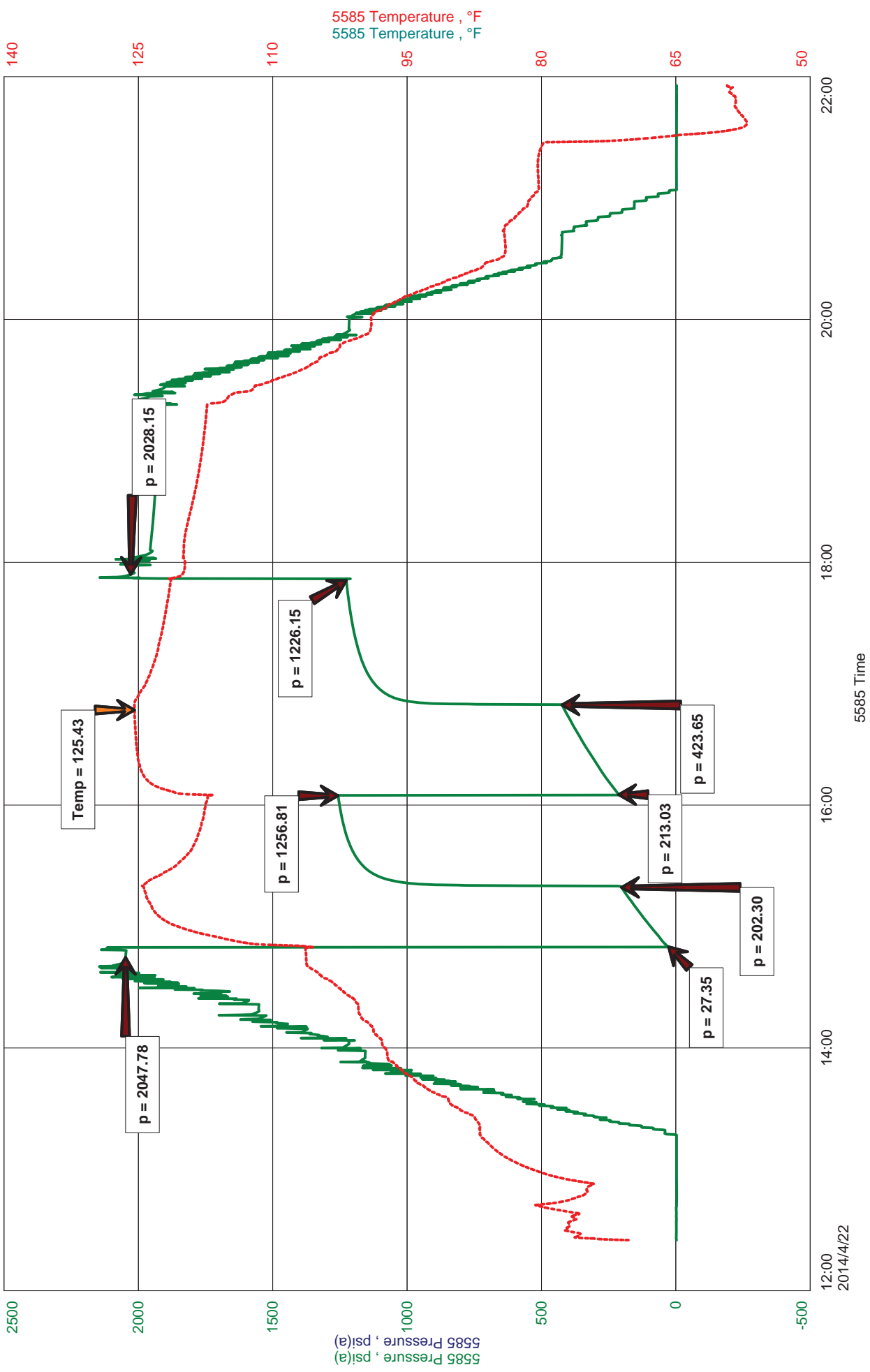


NEW GULF OPERATING LLC
DST4 LKC"J" 4253-4285
Start Test Date: 2014/04/22
Final Test Date: 2014/04/22

BOYD 1-3
Formation: DST4 LKC"J" 4253-4285
Pool: WILDCAT
Job Number: A048

BOYD 1-3



DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

| | | | | | |
|------------------|----------------------------|----------------|---------------|---------------|------------------------|
| Company Name | NEW GULF OPERATING LLC | Contact | JIM HENKLE | Job Number | A048 |
| Well Name | BOYD 1-3 | Representative | ANDY CARREIRA | Well Operator | NEW GULF OPERATING LLC |
| Unique Well ID | DST4 LKC"J" 4253-4285 | Report Date | 2014/04/22 | Prepared By | ANDY CARREIRA |
| Surface Location | SEC3-12S-32W LOGAN CNTY,KS | Field | WILDCAT | Well Type | Vertical |

Test Information

| | |
|-----------------|-----------------------|
| Test Type | CONVENTIONAL |
| Formation | DST4 LKC"J" 4253-4285 |
| Well Fluid Type | 01 Oil |
| Test Purpose | Initial Test |

| | | | |
|-----------------|------------|-----------------|----------|
| Start Test Date | 2014/04/22 | Start Test Time | 12:25:00 |
| Final Test Date | 2014/04/22 | Final Test Time | 21:56:00 |

| | |
|------------|------|
| Gauge Name | 5585 |
|------------|------|

Test Results

| | | |
|-----------|------------|----------------------|
| RECOVERY: | 5' OIL | GRAVITY: 38 @ 60 deg |
| | 970' GMW | CHLORIDES: 63000 |
| | 975' TOTAL | RW: .14 @ 60 deg |
| | | Ph: 7 |

TOOL SAMPLE: TRACE OIL, WATER



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BOYD 1-3 DST4

TIME ON: 12:25
TIME OFF: 21:56

Company NEW GULF OPERATING LLC Lease & Well No. BOYD 1-3
Contractor VAL 4 Charge to NEW GULF OPERATIG LLC
Elevation 3058 KB Formation LKC"J" Effective Pay _____ Ft. Ticket No. A048
Date 4-21-14 Sec. 3 Twp. _____ 12 S Range _____ 32 W County LOGAN State KANSAS
Test Approved By JOHN GOLDSMITH Diamond Representative ANDY CARREIRA

Formation Test No. 4 Interval Tested from 4253 ft. to 4285 ft. Total Depth 4285 ft.
Packer Depth 4248 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4253 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4234 ft. Recorder Number 5585 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4255 ft. Recorder Number 8471 Cap. 10000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 29 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3400 P.P.M. Drill Pipe Length 4220 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 32 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: BOBIN 7 MIN. (SURFACEbb)
2nd Open: BOB IN 10 MIN. (SURFACEbb)

Recovered 5' ft. of OIL GRAVITY: 38 @ 60 deg
Recovered 970 ft. of GMW CHLORIDES: 63000
Recovered 975 ft. of TOTAL FLUID RW: .14 @ 60 deg
Recovered _____ ft. of _____ Ph: 7

| | |
|--------------------------------------|---------------|
| Recovered _____ ft. of _____ | Price Job |
| Recovered _____ ft. of _____ | Other Charges |
| Remarks: _____ | Insurance |
| TOOL SAMPLE: <u>TRACE OIL, WATER</u> | Total |

Time Set Packer(s) 2:50 PM A.M. P.M. Time Started Off Bottom 5:50 PM A.M. P.M. Maximum Temperature 125

Initial Hydrostatic Pressure..... (A) 2048 P.S.I.
Initial Flow Period..... Minutes 30 (B) 27 P.S.I. to (C) 202 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1257 P.S.I.
Final Flow Period..... Minutes 45 (E) 213 P.S.I. to (F) 424 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1226 P.S.I.
Final Hydrostatic Pressure..... (H) 2028 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.