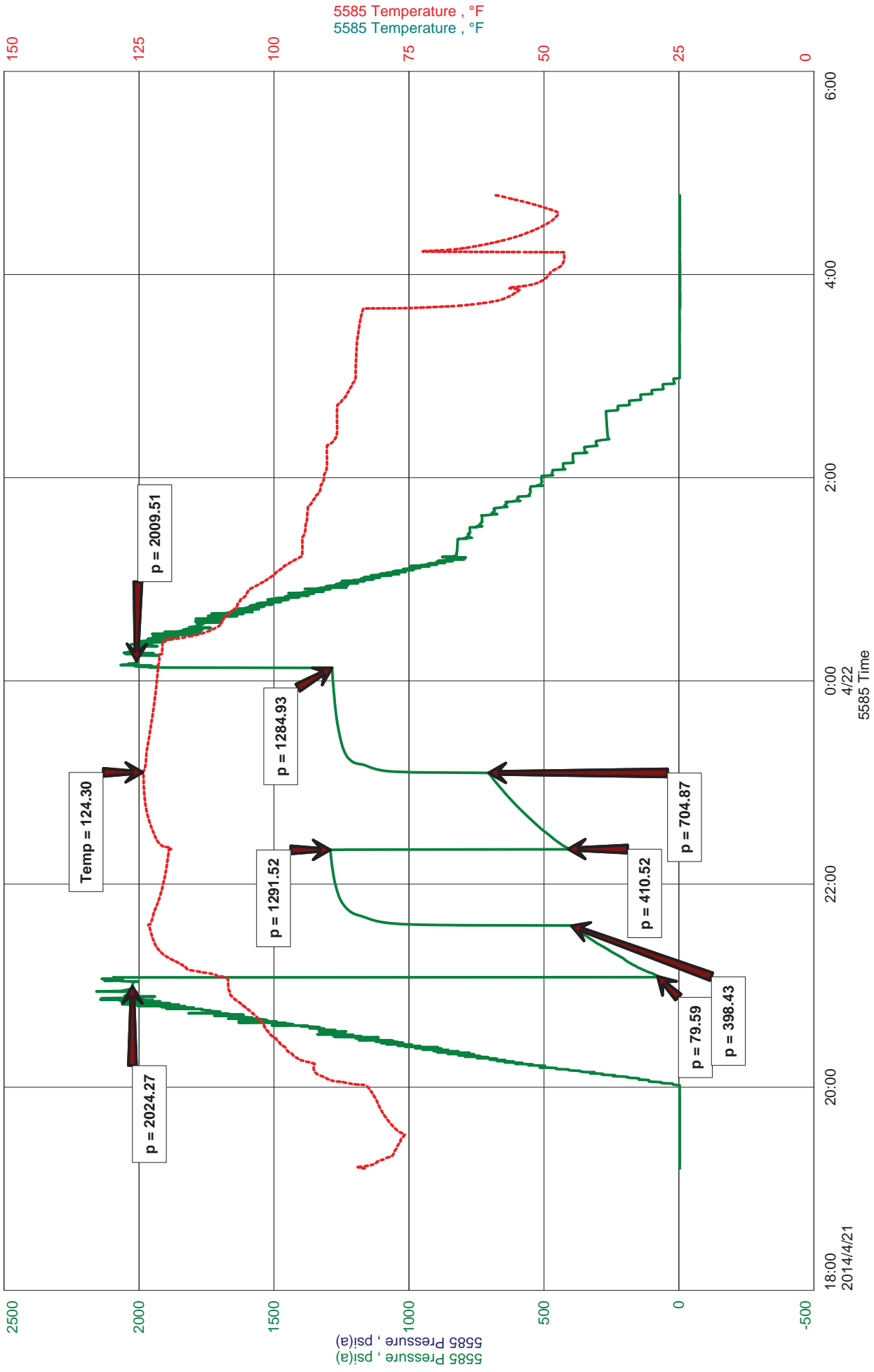


NEW GULF OPERATING LLC
DST3 LKC"H,I"4198-4272
Start Test Date: 2014/04/21
Final Test Date: 2014/04/22

BOYD 1-3
Formation: DST3 LKC"H,I"4198-4272
Pool: WILDCAT
Job Number: A047

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	A047
Well Name	BOYD 1-3	Representative	ANDY CARREIRA	Well Operator	NEW GULF OPERATING LLC
Unique Well ID	DST3 LKC"H,I"4198-4272	Report Date	2014/04/21	Prepared By	ANDY CARREIRA
Surface Location	SEC3-12S-32W LOGAN CNTY,KS	Field	WILDCAT	Well Type	Vertical

Test Information

Test Type	CONVENTIONAL
Formation	DST3 LKC"H,I"4198-4272
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/04/21	Start Test Time	19:12:00
Final Test Date	2014/04/22	Final Test Time	04:47:00

Gauge Name	5585
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Test Results

RECOVERY:	597' CGO 10%G, 90%O	GRAVITY: 40 @ 60 deg
	189' GOCWM 5%G, 10%O, 35%W, 50%M	CHLORIDES: 63000
	882' OSMW 95%W, 5%M	RW: .14 @ 60 deg
	1668' TOTAL FLUID	Ph: 7

TOOL SAMPLE: 6% OIL, 94% WATER



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BOYD 1-3 DST3

TIME ON: 19:12
TIME OFF: 04:47

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"H,I" Effective Pay _____ Ft. Ticket No. A047
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. 3 Interval Tested from 4198 ft. to 4272 ft. Total Depth 4272 ft.
Packer Depth 4193 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4198 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4179 ft. Recorder Number 5585 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4200 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 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2900 P.P.M. Drill Pipe Length 4165 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 74 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 2 MIN. (8"bb)
2nd Open: BOB IN 30 SEC. (BOBbb)

Recovered 597 ft. of CGO 10%G, 90%O GRAVITY: 40 @ 60 deg
Recovered 189 ft. of GOCWM 5%G, 10%O, 35%W, 50%M CHLORIDES: 63000
Recovered 882 ft. of OSMW 95%W, 5%M RW: .14 @ 60 deg
Recovered 1668 ft. of TOTAL FLUID Ph; 7

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>6% OIL, 94% WATER</u>	Total

Time Set Packer(s) 9:05 PM A.M. P.M. Time Started Off Bottom 12:05 AM A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) 2024 P.S.I.
Initial Flow Period..... Minutes 30 (B) 80 P.S.I. to (C) 398 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1292 P.S.I.
Final Flow Period..... Minutes 45 (E) 411 P.S.I. to (F) 705 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1285 P.S.I.
Final Hydrostatic Pressure..... (H) 2010 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.