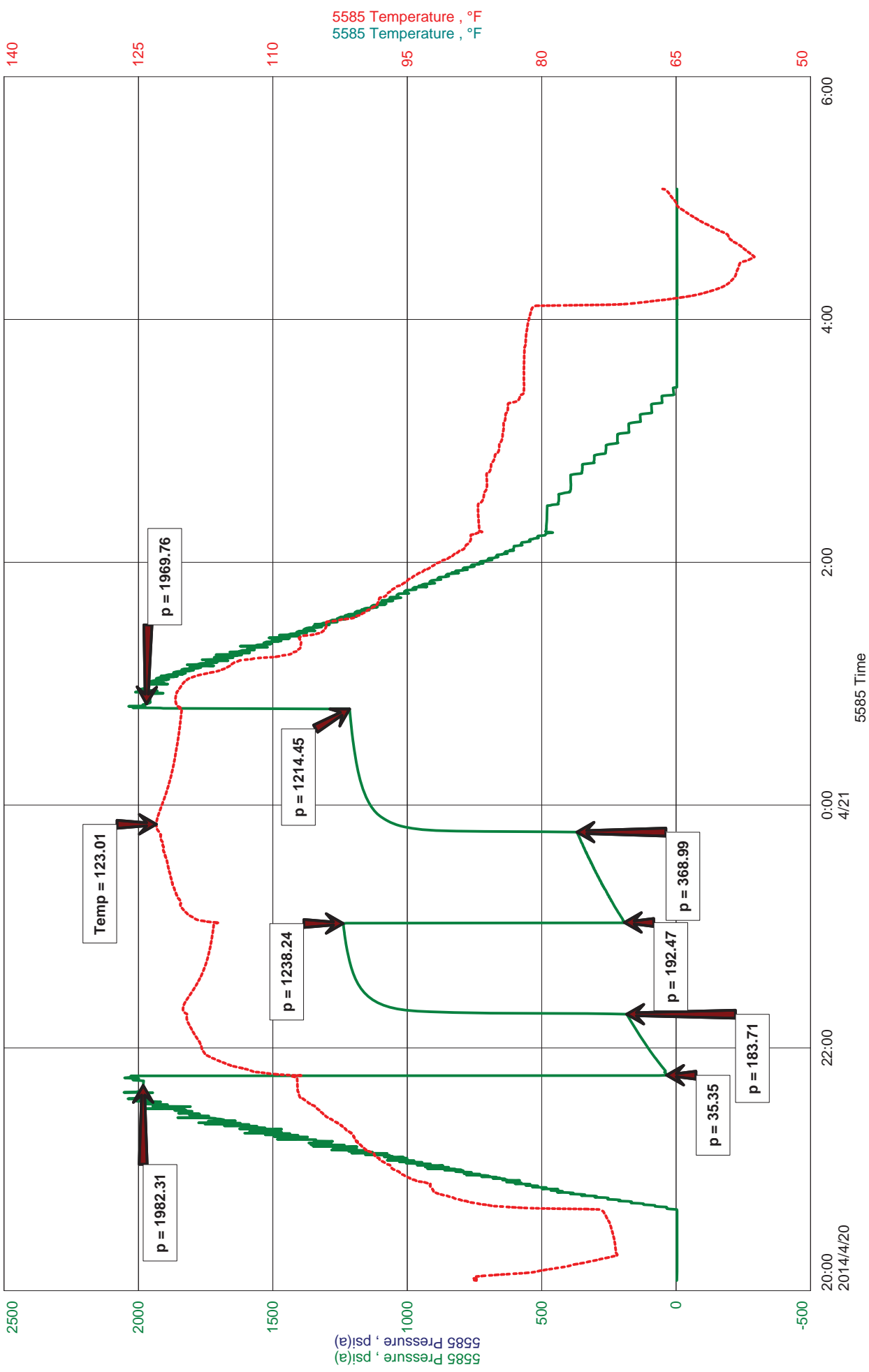


NEW GULF OPERATING LLC
DST2 LKC"E,F" 4136-4170
Start Test Date: 2014/04/20
Final Test Date: 2014/04/21

BOYD 1-3
Formation: DST2 LKC"E,F" 4136-4170
Pool: WILDCAT
Job Number: A046

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	A046
Well Name	BOYD 1-3	Representative	ANDY CARREIRA	Well ID	DST2 LKC"E,F" 4136-4170
Unique Well ID	DST2 LKC"E,F" 4136-4170	Well Operator	NEW GULF OPERATING LLC	Report Date	2014/04/20
Surface Location	SEC3-12S-32W LOGAN CNTY,KS	Prepared By	ANDY CARREIRA	Well License Number	
Field	WILDCAT	Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST2 LKC"E,F" 4136-4170
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/04/20	Start Test Time	20:05:00
Final Test Date	2014/04/21	Final Test Time	05:05:00

Gauge Name	5585
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Test Results

RECOVERY:	1164' GIP	GRAVITY: 40 @ 60 deg
	912' CGO 15%G, 85%O	CHLORIDES: 48000
	126' OSMW 90%W, 10%M	RW: .11 @ 65 deg
	1038' TOTAL FLUID	Ph: 7

TOOL SAMPLE: 20% OIL, 80% WATER



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BOYD 1-3 DST2

TIME ON: 20:05
TIME OFF: 05:05

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"E,F" Effective Pay _____ Ft. Ticket No. A046
Date 4-20-14 Sec. 3 Twp. _____ 12 S Range _____ 32 W County LOGAN State KANSAS
Test Approved By JOHN GOLDSMITH Diamond Representative ANDY CARREIRA

Formation Test No. 2 Interval Tested from 4136 ft. to 4170 ft. Total Depth 4170 ft.
Packer Depth 4131 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4136 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4117 ft. Recorder Number 5585 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4138 ft. Recorder Number 8471 Cap. 10000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 50 Drill Collar Length 29 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3000 P.P.M. Drill Pipe Length 4103 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 34 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. (BOBbb)
2nd Open: BOB IMMEDIATELY (6"bb)

Recovered <u>1164</u> ft. of <u>GIP</u>	
Recovered <u>912</u> ft. of <u>CGO 15%G, 85%O</u>	GRAVITY: <u>40 @ 60 deg</u>
Recovered <u>126</u> ft. of <u>OSMW 90%W, 10%M</u>	CHLORIDES: <u>48000</u>
Recovered <u>1038</u> ft. of <u>TOTAL FLUID</u>	RW: <u>.11 @ 65 deg</u>
Recovered _____ ft. of _____	Ph: <u>7</u>
Recovered _____ ft. of _____	Price Job
Remarks: _____	Other Charges
TOOL SAMPLE: <u>20%O, 80%W</u>	Insurance
	Total

Time Set Packer(s) 9:47 PM A.M. P.M. Time Started Off Bottom 12:47 AM A.M. P.M. Maximum Temperature 123

Initial Hydrostatic Pressure..... (A) 1982 P.S.I.
Initial Flow Period..... Minutes 30 (B) 35 P.S.I. to (C) 184 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1238 P.S.I.
Final Flow Period..... Minutes 45 (E) 192 P.S.I. to (F) 369 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1214 P.S.I.
Final Hydrostatic Pressure..... (H) 1970 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.