

DIAMOND TESTING

General Information Report

General Information

Company Name NEW GULF OPERATING, LLC
Contact WINK KOPCZYNSKI JR.
Well Name ST. JOSEPH #2
Unique Well ID DST #2, LKC "J", 4236-4251
Surface Location SEC 10-12S-32W, LOGAN CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #2, LKC "J", 4236-4251
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator NEW GULF OPERATING, LLC
Report Date 2013/11/05
Prepared By TIM VENTERS
Qualified By JOHN GOLDSMITH

Start Test Date 2013/11/05
Final Test Date 2013/11/05

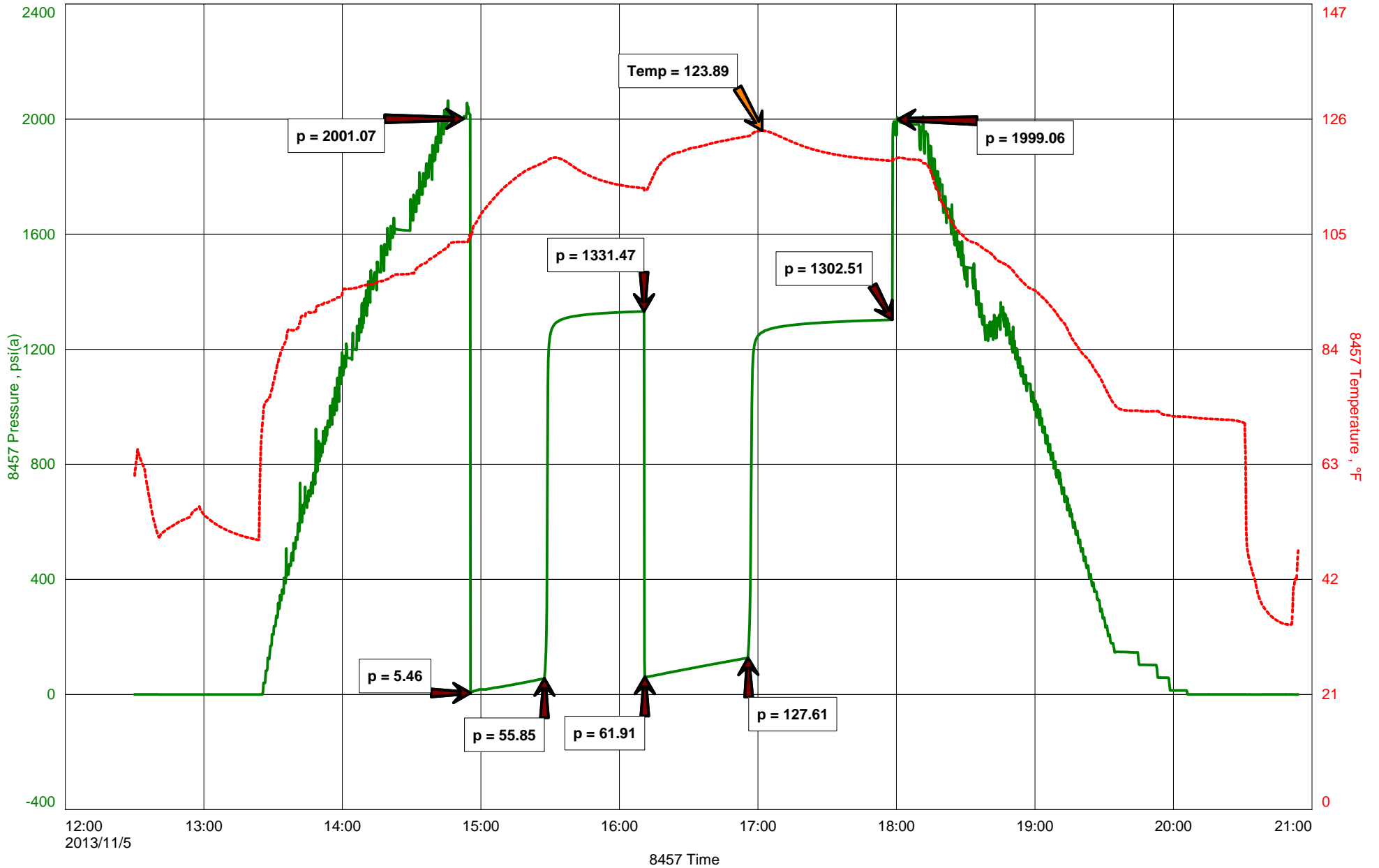
Start Test Time 12:30:00
Final Test Time 20:55:00

Test Recovery:

RECOVERED: 1990' GAS IN PIPE
280' GO, 4% GAS, 96% OIL, GRAVITY: 35
65' G,HMCO, 16% GAS, 45% OIL, 39% MUD
345' TOTAL FLUID

TOOL SAMPLE: 3% GAS, 93% OIL, 4% MUD

ST. JOSEPH #2





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: ST.JOSEPH2DST2

TIME ON: 12:30
TIME OFF: 20:55

Company NEW GULF OPERATING, LLC Lease & Well No. ST. JOSEPH #2
Contractor VAL ENERGY, INC. RIG #4 Charge to NEW GULF OPERATING, LLC
Elevation 3016 KB Formation LKC "J" Effective Pay _____ Ft. Ticket No. T276
Date 11-5-13 Sec. 10 Twp. _____ 12 S Range _____ 32 W County LOGAN State KANSAS
Test Approved By JOHN GOLDSMITH Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 4236 ft. to 4251 ft. Total Depth 4251 ft.
Packer Depth 4231 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4236 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4217 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4248 ft. Recorder Number 11030 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 55 Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 6.8 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 3,000 P.P.M. Drill Pipe Length 4203 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 15 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: WEAK SURFACE BLOW, BUILDING, REACHING BOB 4 1/2 MIN. (WS BB)
2nd Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 6 1/2 MIN. (6 1/2" BB)

Recovered 1990 ft. of GAS IN PIPE
Recovered 280 ft. of GO, 4% GAS, 96% OIL, GRAVITY: 35
Recovered 65 ft. of G,HMCO, 165 GAS, 45% OIL, 39% MUD
Recovered 345 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 3% GAS, 93% OIL, 4% MUD	Total

Time Set Packer(s) 2:55 PM A.M. P.M. Time Started Off Bottom 5:57 PM A.M. P.M. Maximum Temperature 124 deg.

Initial Hydrostatic Pressure..... (A) 2001 P.S.I.
Initial Flow Period..... Minutes 30 (B) 5 P.S.I. to (C) 56 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1331 P.S.I.
Final Flow Period..... Minutes 45 (E) 62 P.S.I. to (F) 128 P.S.I.
Final Closed In Period..... Minutes 62 (G) 1303 P.S.I.
Final Hydrostatic Pressure..... (H) 1999 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.