

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 #3, LKC "K", 4260-4293
Surface Location SEC 10-12S-32W, LOGAN CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #3, LKC "K", 4260-4293
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator NEW GULF OPERATING, LLC
Report Date 2013/11/06
Prepared By TIM VENTERS
Qualified By JOHN GOLDSMITH

Start Test Date 2013/11/06
Final Test Date 2013/11/06

Start Test Time 07:03:00
Final Test Time 15:34:00

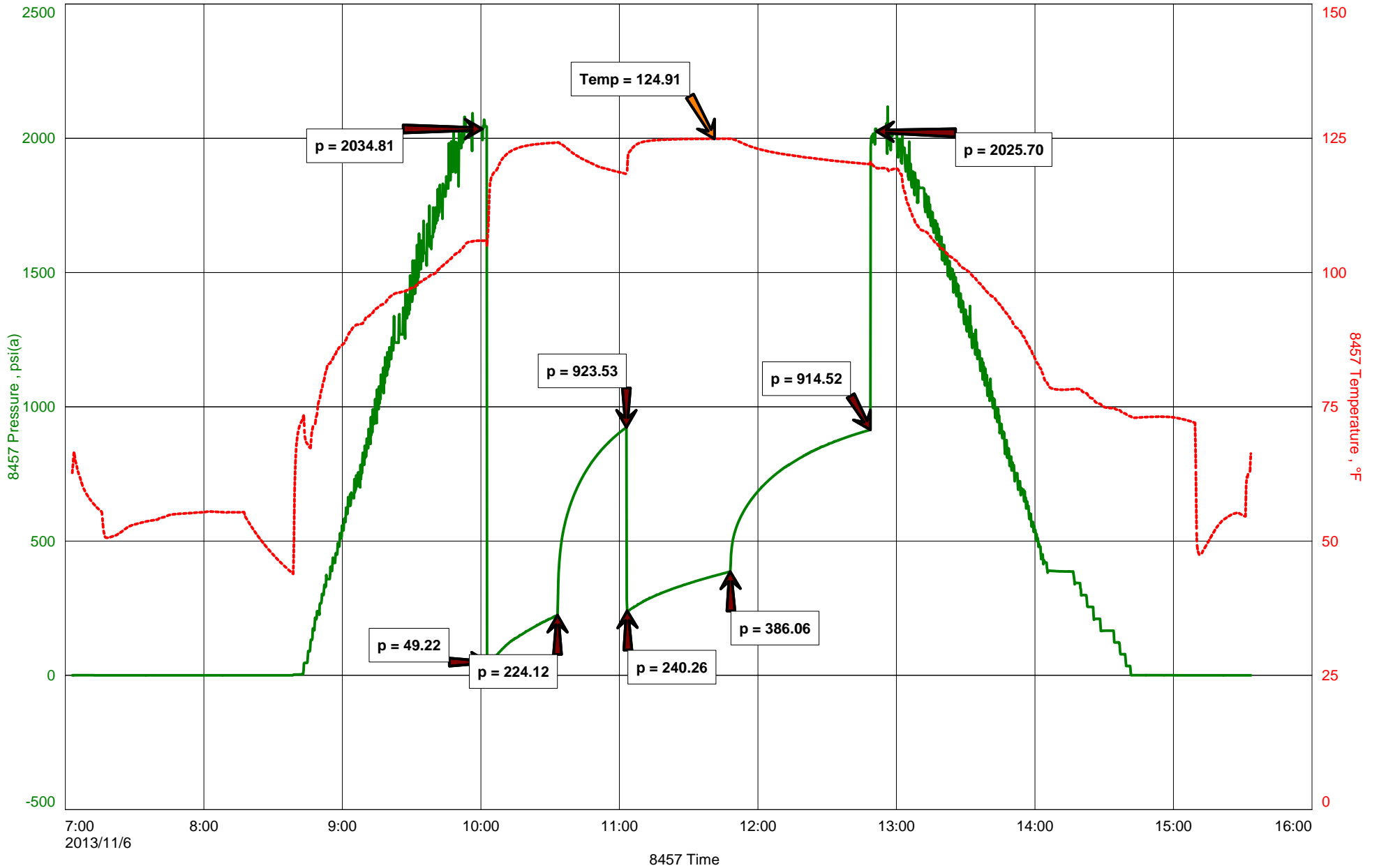
Test Recovery:

RECOVERED: 135' SO,MCW, 2% OIL, 72% WATER, 26% MUD
695' SMCW, 88% WATER, 12% MUD
830' TOTAL FLUID

TOOL SAMPLE: 11% OIL, 67% WATER, 22% MUD

CHLORIDES: 81,000 ppm
PH: 6.0
RW: .21 @ 64 deg.

ST. JOSEPH #2





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: ST.JOSEPH2DST3

TIME ON: 07:03
TIME OFF: 15:34

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 "K" Effective Pay _____ Ft. Ticket No. T277
Date 11-6-13 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. 3 Interval Tested from 4260 ft. to 4293 ft. Total Depth 4293 ft.
Packer Depth 4255 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4260 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4241 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4290 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 56 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,000 P.P.M. Drill Pipe Length 4227 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 33 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: GOOD 1 INCH BLOW, BUILDING, REACHING BOB 4 MIN. (NO BB)
2nd Open: GOOD 1 INCH BLOW, BUILDING, REACHING BOB 9 1/2 MIN. (NO BB)

Recovered 135 ft. of SO,MCW, 2% OIL, 72% WATER, 26% MUD
Recovered 695 ft. of SMCW, 88% WATER, 12% MUD
Recovered 830 ft. of TOTAL FLUID

Recovered _____ ft. of _____	CHLORIDES: 81,000 ppm	Price Job
Recovered _____ ft. of _____	PH: 6.0	Other Charges
Remarks: _____	RW: .21 @ 64 deg.	Insurance
TOOL SAMPLE: 11% OIL, 67% WATER, 22% MUD		Total

Time Set Packer(s) 10:02 AM A.M. P.M. Time Started Off Bottom 12:47 PM A.M. P.M. Maximum Temperature 125 deg.

Initial Hydrostatic Pressure..... (A) 2035 P.S.I.
Initial Flow Period..... Minutes 30 (B) 49 P.S.I. to (C) 224 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 924 P.S.I.
Final Flow Period..... Minutes 45 (E) 2450 P.S.I. to (F) 386 P.S.I.
Final Closed In Period..... Minutes 60 (G) 915 P.S.I.
Final Hydrostatic Pressure..... (H) 2026 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.