

DIAMOND TESTING

General Information Report

General Information

Company Name NEW GULF OPERATING, LLC
Contact JIM HENKLE
Well Name HOCKERSMITH #1-34
Unique Well ID DST #4, JOHNSON, 4598-4628
Surface Location SEC 34-11S-32W, LOGAN CO. KS.
Field WILDCAT
Well Type Vertical
Test Type STRADDLE
Formation DST #4, JOHNSON, 4598-4628
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator NEW GULF OPERATING, LLC
Report Date 2013/11/25
Prepared By TIM VENTERS
Qualified By STEVE MURPHY

Start Test Date 2013/11/25
Final Test Date 2013/11/25

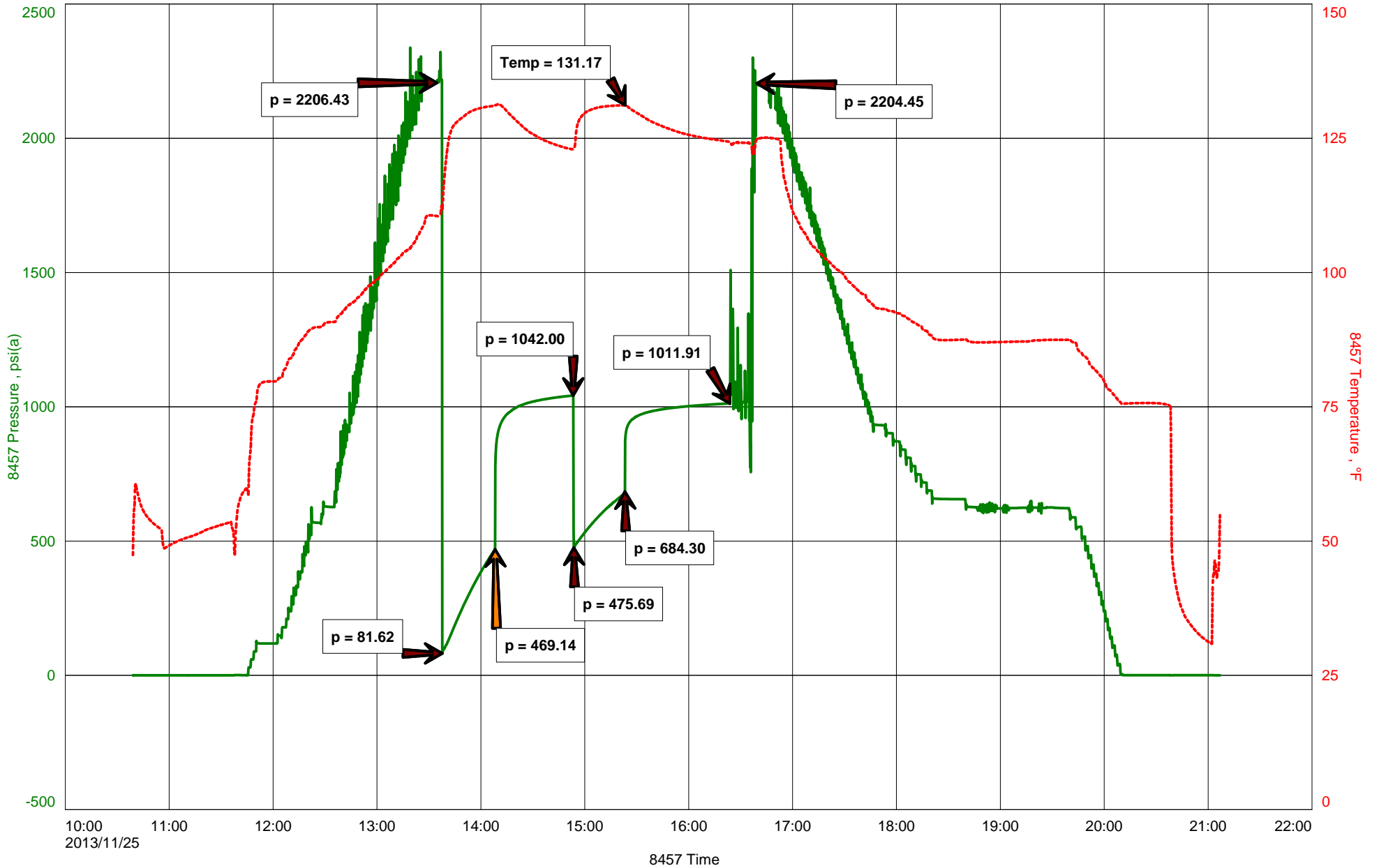
Start Test Time 10:39:00
Final Test Time 21:07:00

Test Recovery:

RECOVERED: 1030' GAS IN PIPE
585' GO, 8% GAS, 92% OIL, GRAVITY: 28
1175' G, SMCO, 3% GAS, 90% OIL, 7% MUD
125' G, VHOCM, 7% GAS, 43% OIL, 50% MUD
1885' TOTAL FLUID

TOOL SAMPLE: 3% GAS, 52% OIL, 45% MUD

HOCKERSMITH #1-34





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HICKERSMITH1-34DST4

TIME ON: 10:39
TIME OFF: 21:07

Company NEW GULF OPERATING, LLC Lease & Well No. HOCKERSMITH #1-34
Contractor VAL ENERGY, INC. RIG #7 Charge to NEW GULF OPERATING, LLC
Elevation 3059 KB Formation JOHNSON Effective Pay _____ Ft. Ticket No. T288
Date 11-25-13 Sec. 34 Twp. 11 S Range 32 W County LOGAN State KANSAS
Test Approved By STEVE MURPHY Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 4 Interval Tested from 4598 ft. to 4628 ft. Total Depth 4640 ft.
Packer Depth 4593 ft. Size 6 3/4 in. Packer depth 4628 ft. Size 6 3/4 in.
Packer Depth 4598 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4579 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4625 ft. Recorder Number 11030 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth 4637 ft. Recorder Number 11029 Cap. 5,025 P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 0 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 2,000 P.P.M. Drill Pipe Length 4565 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 30 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 1 1/2 MIN. (4" BB)
2nd Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 4 MIN. (6" BB)

Recovered 1030 ft. of GAS IN PIPE
Recovered 585 ft. of GO, 8% GAS, 92% OIL, GRAVITY: 28
Recovered 1175 ft. of G,SMCO, 3% GAS, 90% OIL, 7% MUD
Recovered 125 ft. of G,VHOCM, 7% GAS, 43% OIL, 50% MUD

Recovered <u>1885</u> ft. of <u>TOTAL FLUID</u>	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
<u>TOOL SAMPLE: 3% GAS, 52% OIL, 45% MUD</u>	Total

Time Set Packer(s) 1:37 PM A.M. P.M. Time Started Off Bottom 4:22 PM A.M. P.M. Maximum Temperature 131 deg.

Initial Hydrostatic Pressure..... (A) 2206 P.S.I.
Initial Flow Period..... Minutes 30 (B) 82 P.S.I. to (C) 469 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1042 P.S.I.
Final Flow Period..... Minutes 30 (E) 476 P.S.I. to (F) 684 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1012 P.S.I.
Final Hydrostatic Pressure..... (H) 2204 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.