

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 #1, LKC "H", 4194-4232
Surface Location SEC 34-11S-32W, LOGAN CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #1, LKC "H", 4194-4232
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator NEW GULF OPERATING, LLC
Report Date 2013/11/22
Prepared By TIM VENTERS
Qualified By STEVE MURPHY

Start Test Date 2013/11/21
Final Test Date 2013/11/22

Start Test Time 13:00:00
Final Test Time 00:45:00

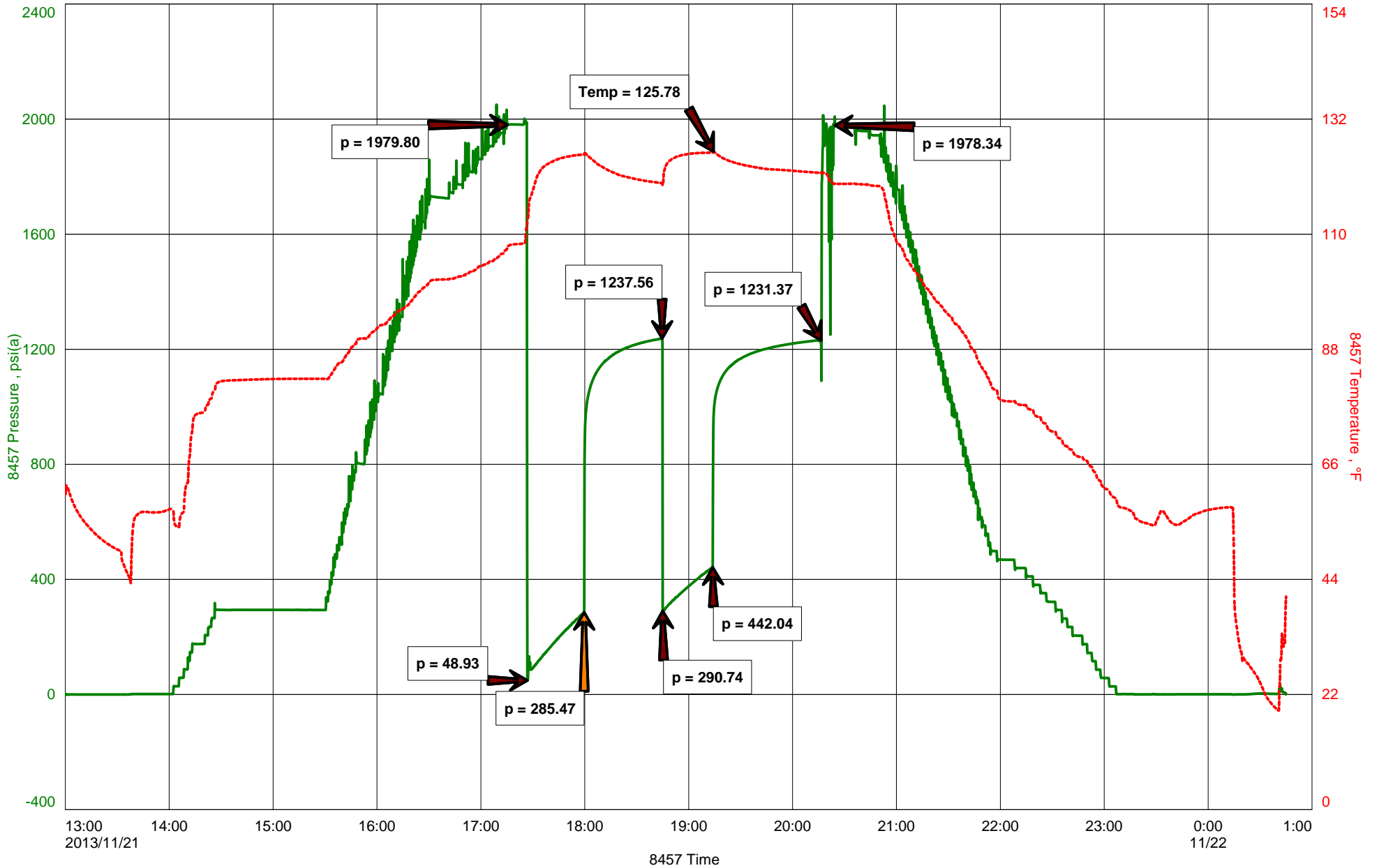
Test Recovery:

RECOVERED: 305' GAS IN PIPE
5' SWCO, 95% OIL, 5% WATER, GRAVITY: 34
60' SM&WCO, 75% OIL, 19% WATER, 6% MUD
500' HW&MCO, 42% OIL, 37% WATER, 21% MUD
375' SO&MCW, 7% OIL, 82% WATER, 11% MUD
60' W W/TR. O, TRACE OIL, 100% WATER
1000' TOTAL FLUID

TOOL SAMPLE: TRACE OIL, 100% WATER

CHLORIDES: 91,000 ppm
PH: 7.0

HOCKERSMITH #1-34





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313

TIME ON: 13:00 11-21-13
 TIME OFF: 00:45 11-22-13

DRILL-STEM TEST TICKET
 FILE: HICKERSMITH1-34DST1

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 LKC "H" Effective Pay _____ Ft. Ticket No. T285
 Date 11-21-13 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. 1 Interval Tested from 4194 ft. to 4232 ft. Total Depth 4232 ft.
 Packer Depth 4189 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 4194 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4175 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
 Bottom Recorder Depth (Outside) 4229 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 49 Drill Collar Length 0 ft. I.D. 2 1/4 in.
 Weight 9.1 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 4161 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 38 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: STRONG 4 INCH BLOW, BUILDING, REACHING BOB 3 1/2 MIN. (NO BB)
 2nd Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 7 1/2 MIN. (5" BB)

Recovered <u>305</u> ft. of <u>GAS IN PIPE</u>	
Recovered <u>5</u> ft. of <u>SWCO, 95% OIL, 5% WATER, GRAVITY: 34</u>	
Recovered <u>60</u> ft. of <u>SM&WCO, 75% OIL, 19% WATER, 6% MUD</u>	
Recovered <u>500</u> ft. of <u>HW&MCO, 42% OIL, 37% WATER, 21% MUD</u>	
Recovered <u>375</u> ft. of <u>SO&MCW, 7% OIL, 82% WATER, 11% MUD</u>	Price Job
Recovered <u>60</u> ft. of <u>W W/TR. O, TRACE OIL, 100% WATER</u>	Other Charges
Remarks: <u>1000ft. TOTAL FLUID. CHLORIDES: 91,000 ppm</u>	Insurance
<u>PH: 7.0</u>	
<u>TOOL SAMPLE: TRACE OIL, 100% WATER</u>	Total

Time Set Packer(s) 5:26 PM A.M. P.M. Time Started Off Bottom 8:13 PM A.M. P.M. Maximum Temperature 126 deg.

Initial Hydrostatic Pressure..... (A) 1980 P.S.I.
 Initial Flow Period..... Minutes 32 (B) 49 P.S.I. to (C) 285 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 1238 P.S.I.
 Final Flow Period..... Minutes 30 (E) 291 P.S.I. to (F) 442 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 1231 P.S.I.
 Final Hydrostatic Pressure..... (H) 1978 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.