

# DIAMOND TESTING

## General Information Report

### General Information

<b>Company Name</b>	NEW GULF OPERATING, LLC	<b>Representative</b>	TIM VENTERS
<b>Contact</b>	JIM HENKLE	<b>Well Operator</b>	NEW GULF OPERATING, LLC
<b>Well Name</b>	HOCKERSMITH #1-34	<b>Report Date</b>	2013/11/23
<b>Unique Well ID</b>	DST #3, LKC "J", 4258-4284	<b>Prepared By</b>	TIM VENTERS
<b>Surface Location</b>	SEC 34-11S-32W, LOGAN CO. KS.	<b>Qualified By</b>	STEVE MURPHY
<b>Field</b>	WILDCAT		
<b>Well Type</b>	Vertical		
<b>Test Type</b>	CONVENTIONAL		
<b>Formation</b>	DST #3, LKC "J", 4258-4284		
<b>Well Fluid Type</b>	01 Oil		
<b>Start Test Date</b>	2013/11/23	<b>Start Test Time</b>	04:29:00
<b>Final Test Date</b>	2013/11/23	<b>Final Test Time</b>	13:34:00

### Test Recovery:

#### RECOVERED: 1405' GAS IN PIPE

645' GO, 4% GAS, 96% OIL, GRAVITY: 40  
250' G, SMCO, 6% GAS, 83% OIL, 11% MUD  
60' VG, SW&MCO, 42% GAS, 44% OIL, 7% WATER, 7% MUD  
955' TOTAL FLUID

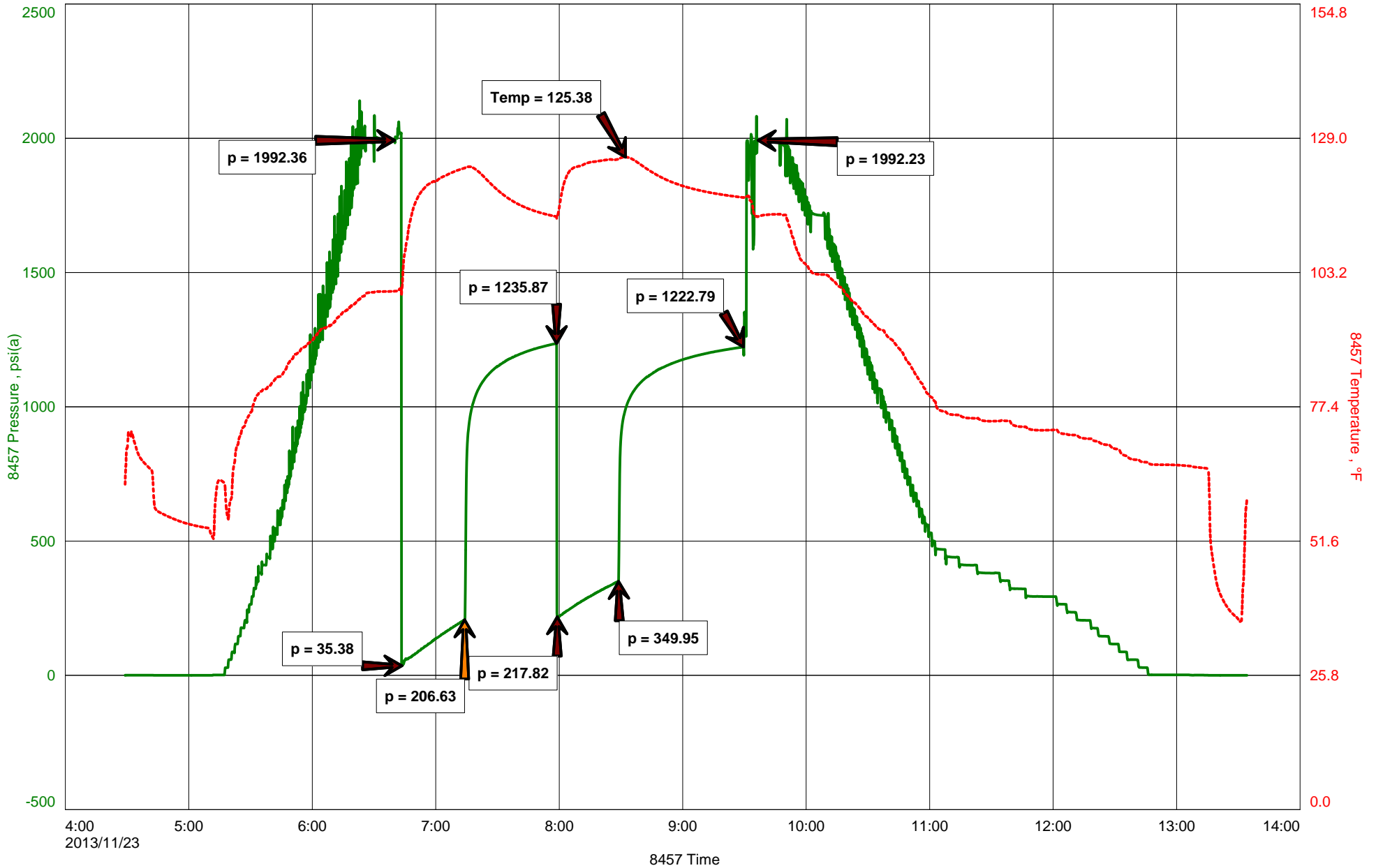
TOOL SAMPLE: 5% GAS, 94% OIL, 1% MUD

CHLORIDES: 20,000 ppm

PH: 7.5

RW: .40 @ 63 deg.

# HOCKERSMITH #1-34





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

TIME ON: 04:29  
TIME OFF: 13:34

**DRILL-STEM TEST TICKET**  
FILE: HICKERSMITH1-34DST3

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 "J" Effective Pay \_\_\_\_\_ Ft. Ticket No. T287  
Date 11-23-13 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. 3 Interval Tested from 4258 ft. to 4284 ft. Total Depth 4284 ft.  
Packer Depth 4253 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4258 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4239 ft. Recorder Number 8457 Cap. 10,000 P.S.I.  
Bottom Recorder Depth (Outside) 4281 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 60 Drill Collar Length 0 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 2,000 P.P.M. Drill Pipe Length 4225 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 26 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 1/2 INCH BLOW, BUILDING, REACHING BOB 2 1/2 MIN. (9" BB)  
2nd Open: WEAK 1/4 INCH BLOW, BUILDING, REACHING BOB 5 MIN. (NO BB)

Recovered 1405 ft. of GAS IN PIPE  
Recovered 645 ft. of GO, 4% GAS, 96% OIL, GRAVITY: 40  
Recovered 250 ft. of G,SMCO, 6% GAS, 83% OIL, 11% MUD  
Recovered 60 ft. of VG,SW&MCO, 42% GAS, 44% OIL, 7% WATER, 7% MUD

Recovered <u>955</u> ft. of <u>TOTAL FLUID</u>	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>5% GAS, 94% OIL, 1% MUD</u>	Total

Time Set Packer(s) 6:43 AM A.M. P.M. Time Started Off Bottom 9:28 AM A.M. P.M. Maximum Temperature 125 deg.

Initial Hydrostatic Pressure..... (A) 1992 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 35 P.S.I. to (C) 207 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1236 P.S.I.  
Final Flow Period..... Minutes 30 (E) 218 P.S.I. to (F) 350 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1223 P.S.I.  
Final Hydrostatic Pressure..... (H) 1992 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.