

# DIAMOND TESTING GENERAL REPORT

**Jake Fahrenbruch, Tester**

Cell: (620) 282-8977 / Office: (800) 542-7313



## TEST INFORMATION

<b>Well Name</b>	Farr #2-11
<b>Formation</b>	Marmaton 4470'-4554'
<b>Surface Location</b>	Sec 11-18s-34w-Scott Co.-KS
<b>Company Name</b>	New Gulf Operating, LLC
<b>Test Type</b>	Bottom-Hole DST w/jars & s. joint
<b>Gauge Name</b>	Inside 5951
<b>Start Test Date</b>	2014/09/18
<b>Start Test Time</b>	07:58:00
<b>Final Test Date</b>	2014/09/18
<b>Final Test Time</b>	16:01:00
<b>Job Number</b>	F318
<b>Contact</b>	Jim Henkle
<b>Site Contact</b>	John Goldsmith

## TEST RESULTS

Initial flow, weak blow increased to 6". No blowback.  
 Final flow, fair blow increased to B.O.B. in 42 minutes. No blowback.

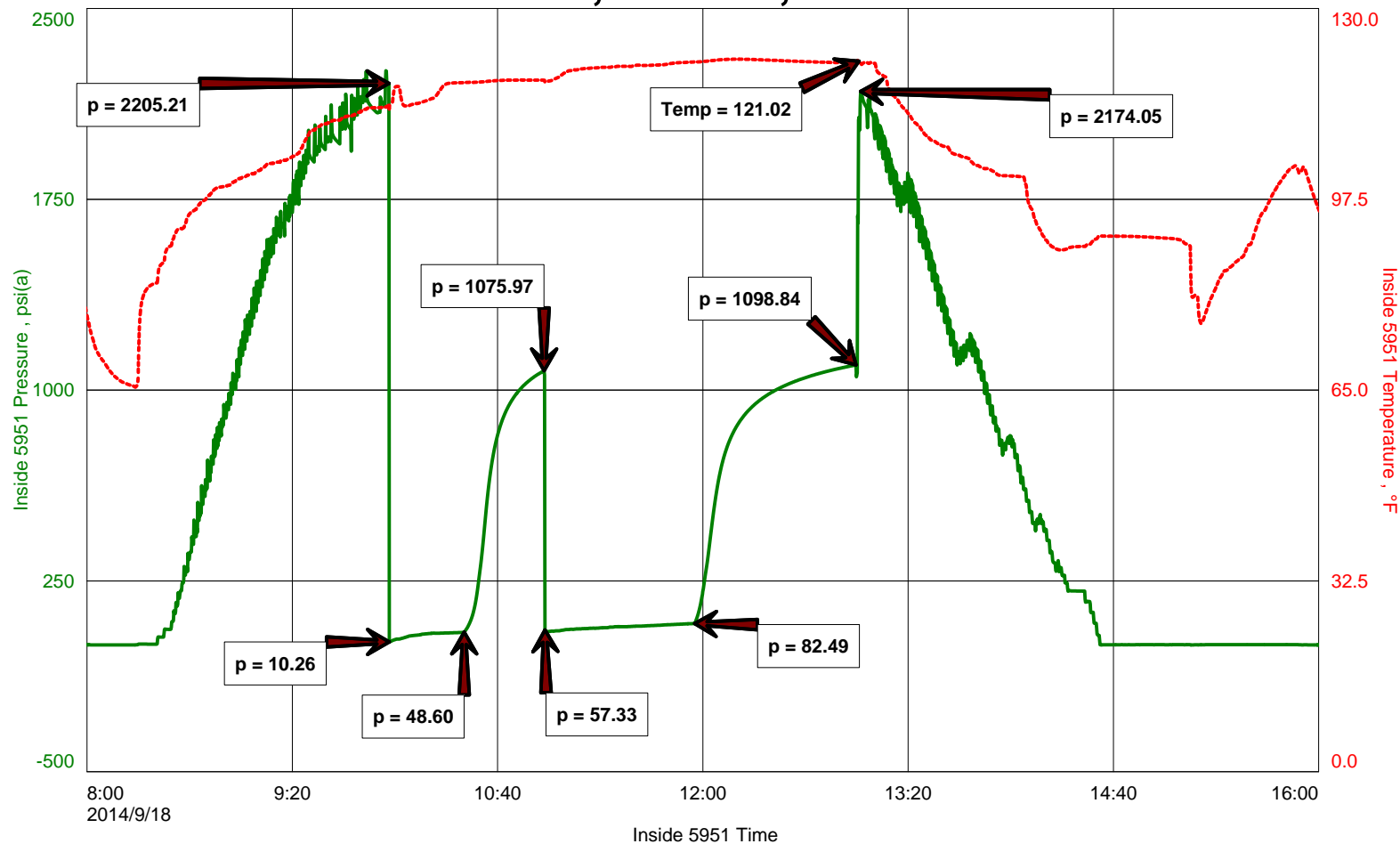
**TOTAL RECOVERED FLUID: 180'**

5'	OIL	100% OIL
175'	GCMO	15% GAS, 45% OIL, 40% MUD
----	120' GAS IN PIPE	

New Gulf Operating, LLC  
 Start Test Date: 2014/09/18  
 Final Test Date: 2014/09/18

Farr #2-11  
 Formation: Marmaton 4470'-4554'  
 Job Number: F318

## FARR #2-11, DST #1, MARMATON





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: FARR2DST1

ON LOCATION:	<u>07:18</u>
START RECORDERS:	<u>07:58</u>
STOP RECORDERS:	<u>16:01</u>

Company NEW GULF OPERATING, LLC Lease & Well No. FARR #2-11  
 Contractor VAL ENERGY REG #4 Charge to NEW GULF OPERATING, LLC  
 Elevation 3119' K13 Formation MARMATON Effective Pay \_\_\_\_\_ Ft. Ticket No. F318  
 Date 9-18-14 Sec. 11 Twp. 18S Range 34W County SCOTT State KANSAS  
 Test Approved By JOHN GOLDSMITH Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 1 Interval Tested from 4470 ft. to 4554 ft. Total Depth 4554 ft.  
 Packer Depth 4465 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 4470 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4448 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 4537 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 51 (2" ICM) Drill Collar Length 62 ft. I.D. 2 1/4 in.  
 Weight 9.1 Water Loss 8.8 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 5000 P.P.M. Drill Pipe Length 4375 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #5 J#5.5 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 84 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 19' PERF IN ANCHOR in. Bottom Choke Size 5/8 in.

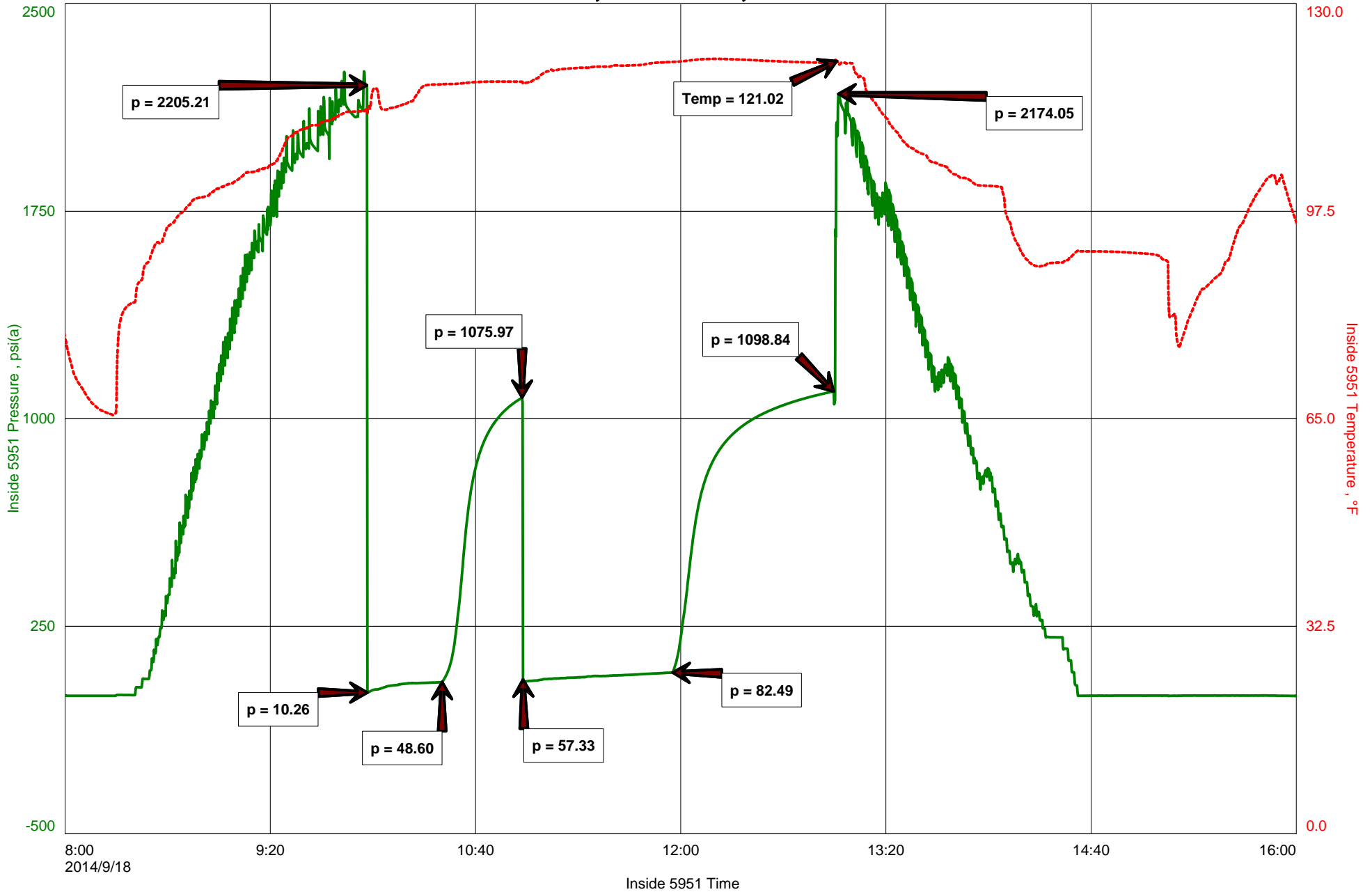
Blow: 1st Open: WEAK BLOW, INCREASED TO 6". NO BLOWBACK.  
 2nd Open: FAIR BLOW, INCREASED TO 8.0.8. IN 42 MIN. NO BLOWBACK.

Recovered 5 ft. of OIL 100" OIL  
 Recovered 175 ft. of GCMO 15" GAS, 45" OIL, 40" MUD  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of TOTAL RECOVERED FLUID: 180'  
 Recovered \_\_\_\_\_ ft. of GAS IN PIPE: 120'  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Remarks: \_\_\_\_\_  
 Price Job \_\_\_\_\_  
 Other Charges \_\_\_\_\_  
JARS, S. JOINT  
360 MRT (PRAT)  
 Total \_\_\_\_\_

Time Set Packer(s) 9:58 AM Time Started Off Bottom 12:58 PM Maximum Temperature 121 F  
 Initial Hydrostatic Pressure \_\_\_\_\_ (A) 2205 P.S.I.  
 Initial Flow Period \_\_\_\_\_ Minutes 30 (B) 10 P.S.I. to (C) 49 P.S.I.  
 Initial Closed In Period \_\_\_\_\_ Minutes 30 (D) 1076 P.S.I.  
 Final Flow Period \_\_\_\_\_ Minutes 60 (E) 57 P.S.I. to (F) 82 P.S.I.  
 Final Closed In Period \_\_\_\_\_ Minutes 60 (G) 1099 P.S.I. THANKS!  
 Final Hydrostatic Pressure \_\_\_\_\_ (H) 2174 P.S.I. Jake Fahrenbruch

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.

# FARR #2-11, DST #1, MARMATON





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

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

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