



# Diamond Testing General Report

**JAKE  
FAHRENBRUCH - TESTER  
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## General Information

<b>Company Name</b>	New Gulf Operating Co.	<b>Well Name</b>	Marge #1-31
<b>Well Operator</b>	New Gulf Operating Co.	<b>Unique Well ID</b>	DST #3 Marmaton/Altamont 4243'-4360'
<b>Contact</b>	Jim Henkle	<b>Surface Location</b>	Sec 31-14s-34w-Logan Co.-KS
<b>Site Contact</b>	John Goldsmith	<b>Test Unit</b>	#5
<b>Field</b>	Lone Butte Southwest	<b>Pool</b>	Lone Butte Southwest
<b>Well Type</b>	Vertical	<b>Job Number</b>	F126
<b>Prepared By</b>	Jake Fahrenbruch	<b>Qualified By</b>	John Goldsmith

## Test Information

<b>Test Type</b>	Conventional Bottom-Hole	<b>Test Purpose</b>	Initial Test
<b>Formation</b>	Marmaton/Altamont 4243'-4360'	<b>Gauge Name</b>	0062
<b>Start Test Date</b>	2013/05/05	<b>Start Test Time</b>	01:55:00
<b>Final Test Date</b>	2013/05/05	<b>Final Test Time</b>	09:18:00

## Test Results

30 min initial flow:	Strong blow, BOB in 5.5 minutes.
45 min initial shut-in:	No blowback.
30 min final flow:	Strong blow, BOB in 8.75 minutes.
60 min final shut-in:	No blowback.

Recovered: 180' SOSMCW <1% oil, 68% wtr, 32% mud  
575' Salt Water 100% wtr  
----- No GIP  
----- Total Recovered Fluid: 755'  
----- Tool Sample: SOSW, <1% oil, >99% wtr  
----- Chlorides: 32,000 ppm  
----- RW: .42 ohm @ 42 Deg F  
----- PH: 7.0  
----- Bottom Hole Temperature: 119 Deg F

Pressures: IHP: 2123  
IFP: 53-242  
ISIP: 1262  
FFP: 254-386  
FSIP: 1264  
FHP: 2113





**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.

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.



New Gulf Operating Co.  
DST #3 Marmaton/Altamont 4243'-4360'  
Start Test Date: 2013/05/05  
Final Test Date: 2013/05/05

Marge #1-31  
Formation: Marmaton/Altamont 4243'-4360'  
Pool: Lone Butte Southwest  
Job Number: F126

# Marge #1-31

