



# Diamond Testing General Report

**JAKE  
FAHRENBRUCH - TESTER  
Cell: (620) 282-8977**

P.O. Box 157  
Hoisington KS 67544  
Office: (800) 542-7313

## 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 #1 Lansing "A" 3886'-3933'
<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>	F124
<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>	Lansing "A" 3886'-3933'	<b>Gauge Name</b>	0062
<b>Start Test Date</b>	2013/05/02	<b>Start Test Time</b>	15:20:00
<b>Final Test Date</b>	2013/05/02	<b>Final Test Time</b>	21:55:00

## Test Results

30 min initial flow:	Strong blow, BOB 1.5 minutes.
30 min initial shut-in:	No blowback.
30 min final flow:	Strong blow, BOB 6 minutes.
30 min final shut-in:	No blowback.

<b>Recovered:</b>	200'	MCW	80% wtr, 20% mud
	2035'	Salt Water	100% wtr
	-----	No GIP	
	-----	Total Recovered Fluid: 2,235'	
	-----	Tool Sample: Salt Water	
	-----	Chlorides: 23,000 ppm	
	-----	RW: .44 ohm @ 48 deg f	
	-----	PH: 7.0	
	-----	Bottom-Hole Temperature: 115 Deg F	

<b>Pressures:</b>	IHP:	1827
	IFP:	134-709
	ISIP:	1168
	FFP:	723-1006
	FSIP:	1169
	FHP:	1822



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

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 #1 Lansing "A" 3886'-3933'  
Start Test Date: 2013/05/02  
Final Test Date: 2013/05/02

Marge #1-31  
Formation: Lansing "A" 3886'-3933'  
Pool: Lone Butte Southwest  
Job Number: F124

# Marge #1-31

