



# Diamond Testing General Report

**ROGER D. FRIEDLY - TESTER**  
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Office: (800) 542-7313

## General Information

<b>Company Name</b>	NEW GULF OPERATING, LLC	<b>Well Name</b>	A.C. FELT #1
<b>Well Operator</b>	NEW GULF OPERATING, LLC	<b>Unique Well ID</b>	DST #3 PAWNEE 4,564' - 4,616'
<b>Contact</b>	DANNY BIRDWELL	<b>Surface Location</b>	SEC 6-18S-34W SCOTT COUNTY, KS
<b>Site Contact</b>	CURTIS COVEY	<b>Test Unit</b>	NO. 5
<b>Field</b>	WILDCAT	<b>Pool</b>	
<b>Well Type</b>	Vertical	<b>Job Number</b>	
<b>Prepared By</b>	ROGER D. FRIEDLY	<b>Qualified By</b>	CURTIS COVEY

## Test Information

<b>Test Type</b>	CONVENTIONAL	<b>Test Purpose</b>	Initial Test
<b>Formation</b>	DST #3 PAWNEE 4,564' - 4,616'	<b>Gauge Name</b>	0062
<b>Start Test Date</b>	2012/05/22	<b>Start Test Time</b>	08:45:00
<b>Final Test Date</b>	2012/05/22	<b>Final Test Time</b>	18:36:00

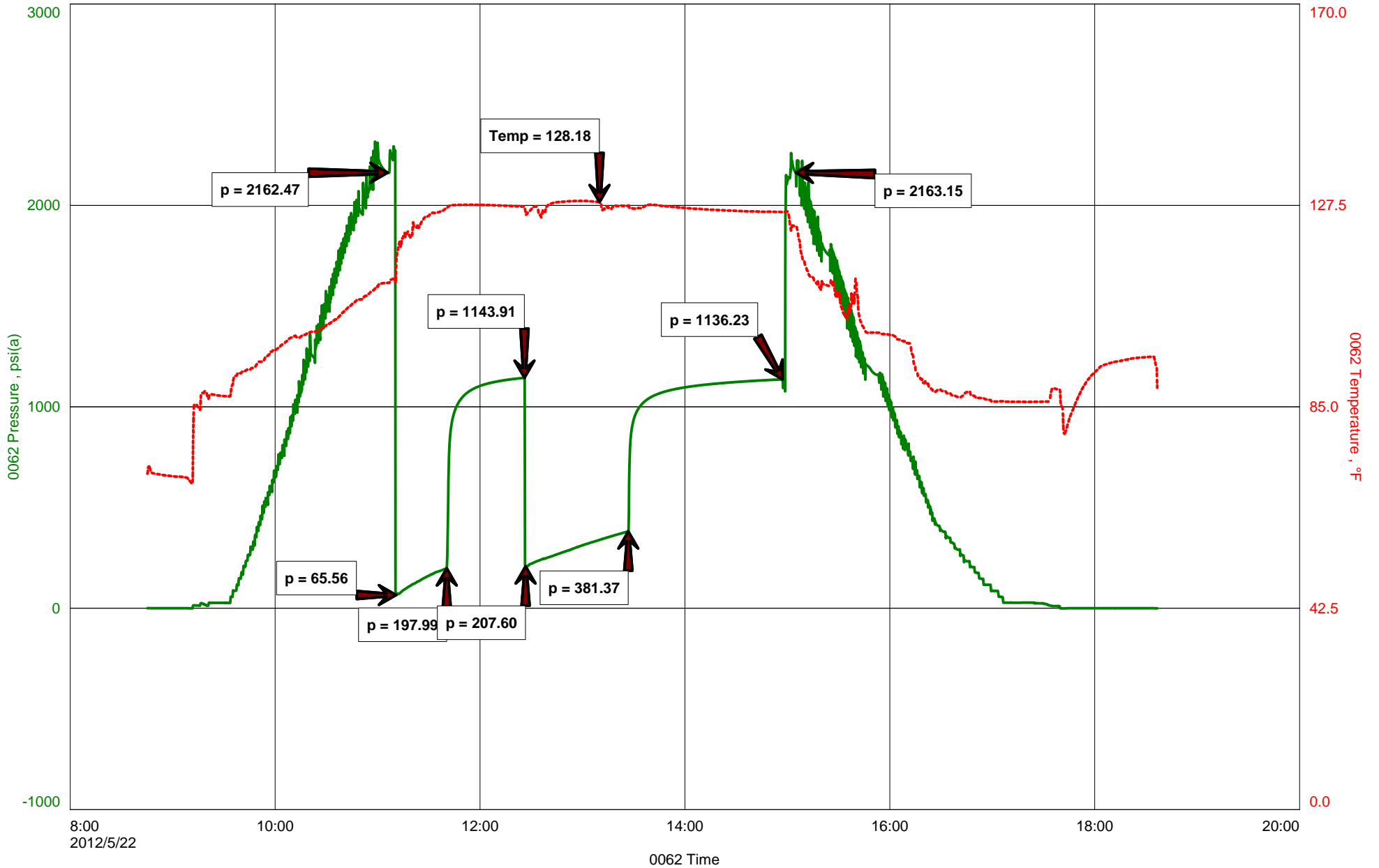
## Test Results

RECOVERED: 1,320' GAS IN PIPE  
 510' CLEAN OIL 24.2 GRAVITY @ 60 deg.  
 93' SLTWTR&OCMG 45% GAS, 20% OIL, 10% WTR, 32% MUD  
 186' G&OCMW 15% GAS, 20% OIL, 33% WTR, 32% MUD  
 62' G&OCMW 2% GAS, 4% OIL, 60% WTR, 34% MUD  
 851' TOTAL FLUID

TOOL SAMPLE: 5% GAS, 40% OIL, 50% WTR, 5% MUD

CHLORIDES: 26,000 Ppm  
PH: 8.5

# A.C. FELT #1





**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.