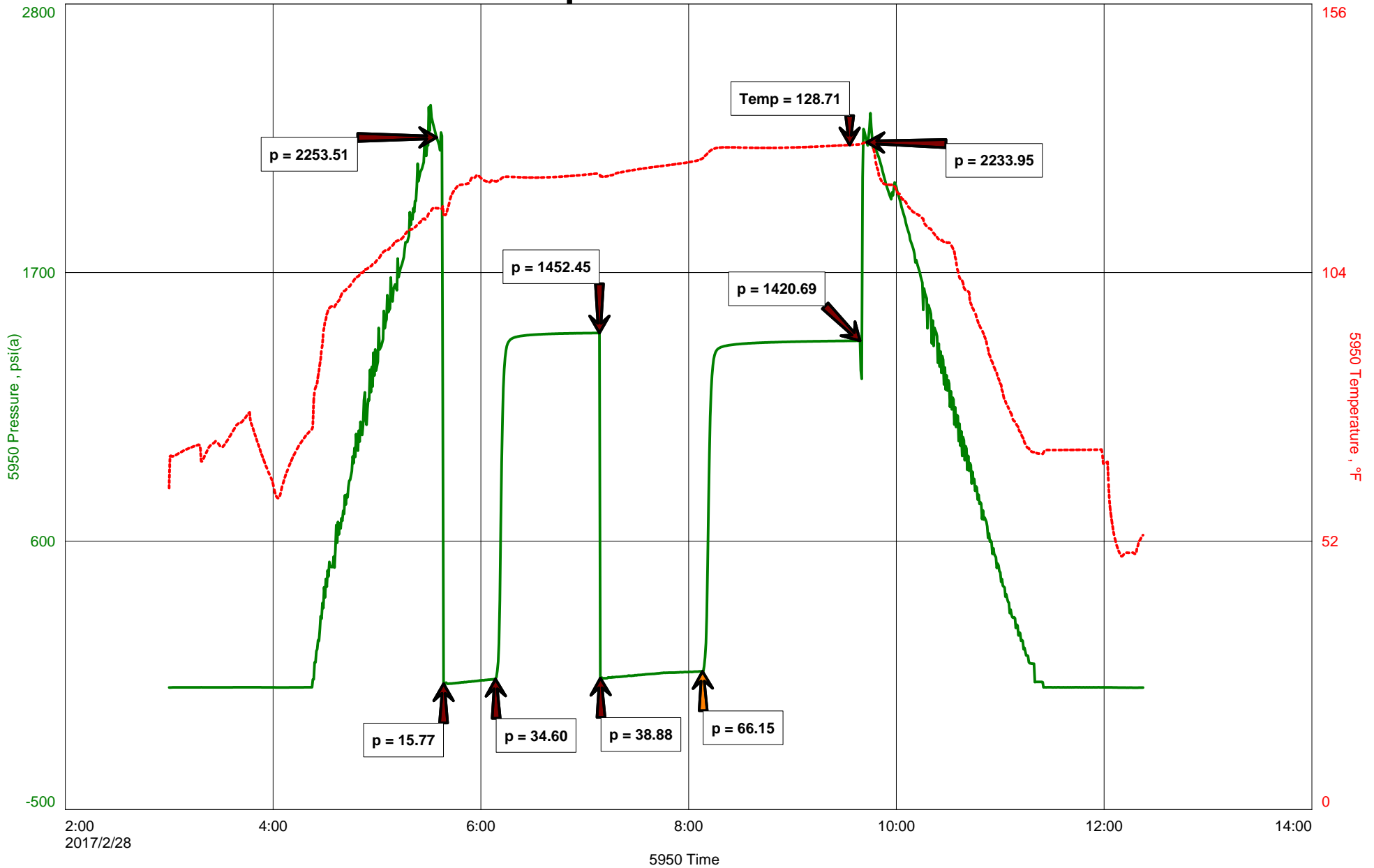


# Carpenter Trust #1-9





**Hoisington, Kansas**

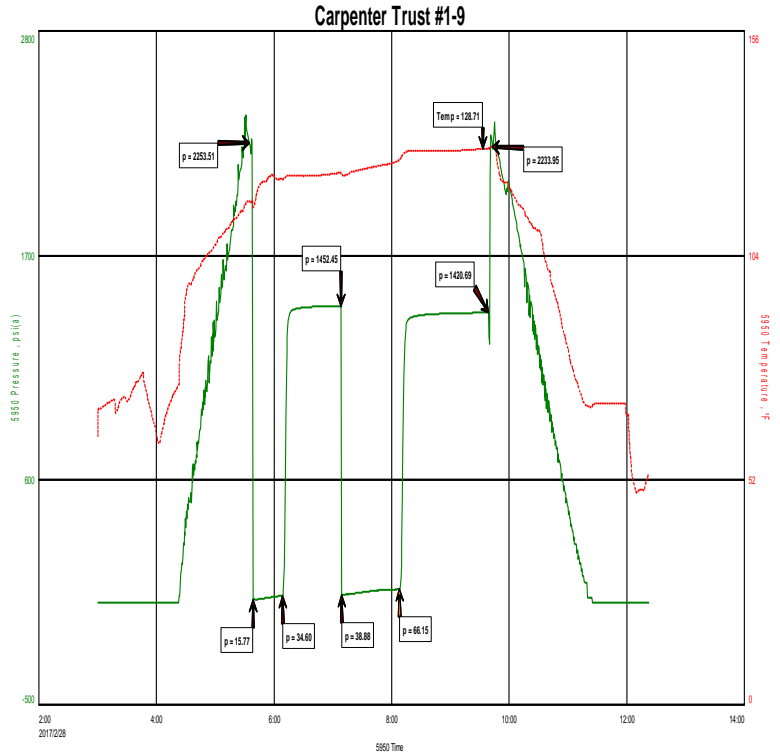
**Michael Carroll**  
**620-617-0368**  
**carroll.dtlc@gmail.com**

**General Information**

**Company Name** Gulf Exploration LLC

<b>Contact</b>	<b>Pat McGraw</b>
<b>Well Name</b>	<b>Carpenter Trust #1-9</b>
<b>Unique Well ID</b>	<b>Dst #5 Pawnee 4598-4636'</b>
<b>Surface Location</b>	<b>Sec 9-7s-36w Thomas County</b>
<b>Field</b>	<b>Wildcat</b>
<b>Well Type</b>	<b>Vertical</b>
<b>Test Type</b>	<b>Drill Stem Test</b>
<b>Well Operator</b>	<b>Gulf Exploration LLC</b>

<b>Formation</b>	<b>Dst #5 Pawnee 4598-4636'</b>
<b>Well Fluid Type</b>	<b>01 Oil</b>
<b>Test Purpose</b>	<b>Initial Test</b>
<b>Start Test Date</b>	<b>2017/02/28</b>
<b>Start Test Time</b>	<b>03:00:00</b>
<b>Final Test Time</b>	<b>12:25:00</b>
<b>Job Number</b>	<b>P0169</b>
<b>Report Date</b>	<b>2017/02/28</b>
<b>Prepared By</b>	<b>Michael Carroll</b>



**TEST RECOVERY**

<b>Remarks</b>	<b>Recovery:</b>	<b>219'</b>	<b>Gas In Pipe</b>
		<b>120'</b>	<b>Clean Oil Gravity 26 @ 60 Degrees</b>
		<b>37'</b>	<b>GCHOCM 11%G 39%O 50%M</b>

**Total Fluid: 157'**

**Sampler Recovery: 2000ML Oil 2000ML Mud**  
**PSI: 300**



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

TIME ON: 0300  
 TIME OFF: 1225

**DRILL-STEM TEST TICKET**  
 FILE: CARPENTERTRUST#1-9DST#5

Company GULF EXPLORATION LLC Lease & Well No. CARPENTER TRUST #1-9  
 Contractor MURFIN DRLG RIG 7 Charge to GULF EXPLORATION LLC  
 Elevation 3384KB Formation PAWNEE Effective Pay \_\_\_\_\_ Ft. Ticket No. P0169  
 Date 2-28-17 Sec. 15 Twp. 7 S Range 35 W County THOMAS State KANSAS  
 Test Approved By KEITH REAVIS Diamond Representative Michael Carroll

Formation Test No. 5 Interval Tested from 4598 ft. to 4636 ft. Total Depth 4636 ft.  
 Packer Depth 4592 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 4598 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 4582 ft. Recorder Number 5950 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 4602 ft. Recorder Number 0230 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 60 Drill Collar Length 187 ft. I.D. 2 1/4 in.  
 Weight 9.1 Water Loss 10.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 2200 P.P.M. Drill Pipe Length 4374 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number 11 Test Tool Length 37 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 38 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: 1/4" BLOW-BUILT TO 8 1/2" IN 30 MINUTES 1/2" BB  
 2nd Open: 1/4" BLOW-BUILT TO 10" IN 60 MINUTES 2" BB

Recovered 219 ft. of GAS IN PIPE  
 Recovered 120 ft. of CLEAN OIL GRAVITY 26 @ 60 DEGREES  
 Recovered 37 ft. of GCHOXM 11%G 39%O 50%M  
 Recovered 157 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>SAMPLER RECOVERY: 2000ML OIL 2000ML MUD</u>	Insurance
<u>PSI: 300</u>	
<u>DIESEL IN BUCKET</u>	Total

Time Set Packer(s) 5:38 A.M. A.M. P.M. Time Started Off Bottom 9:38 A.M. A.M. P.M. Maximum Temperature 129

Initial Hydrostatic Pressure..... (A) 2254 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 35 P.S.I.  
 Initial Closed In Period..... Minutes 60 (D) 1452 P.S.I.  
 Final Flow Period..... Minutes 60 (E) 39 P.S.I. to (F) 66 P.S.I.  
 Final Closed In Period..... Minutes 90 (G) 1421 P.S.I.  
 Final Hydrostatic Pressure..... (H) 2234 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.