

Submit 1 Copy To Appropriate District  
Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| WELL API NO.<br>30-025-09623                                                                        |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input type="checkbox"/> <b>FED</b> |
| 6. State Oil & Gas Lease No.                                                                        |
| 7. Lease Name or Unit Agreement Name<br>COOPER JAL UNIT                                             |
| 8. Well Number 213                                                                                  |
| 9. OGRID Number<br>240974                                                                           |
| 10. Pool name or Wildcat<br>Jalmat; T-Y-7Rvrs                                                       |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)                                                  |

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH  
PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☐ INJECTOR

2. Name of Operator  
LEGACY RESERVES OPERATING LP

3. Address of Operator  
P.O. BOX 10848, MIDLAND, TX 79702

4. Well Location  
Unit Letter I : 1974 feet from the SOUTH line and 662 feet from the EAST line  
Section 24 Township 24S Range 36E NMPM County LEA

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: Step Rate Test ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Step Rate Test performed on September 15, 2017, OCD notified. See attached results.

Legacy Reserves Operating, LP requests to increase injection pressures for this well to 780 psi.

PROVIDE S.R.T. RESULTS  
TO SANTA FE OCD FOR  
APPROVAL

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Laura Pina TITLE COMPLIANCE COORDINATOR DATE 10/11/17

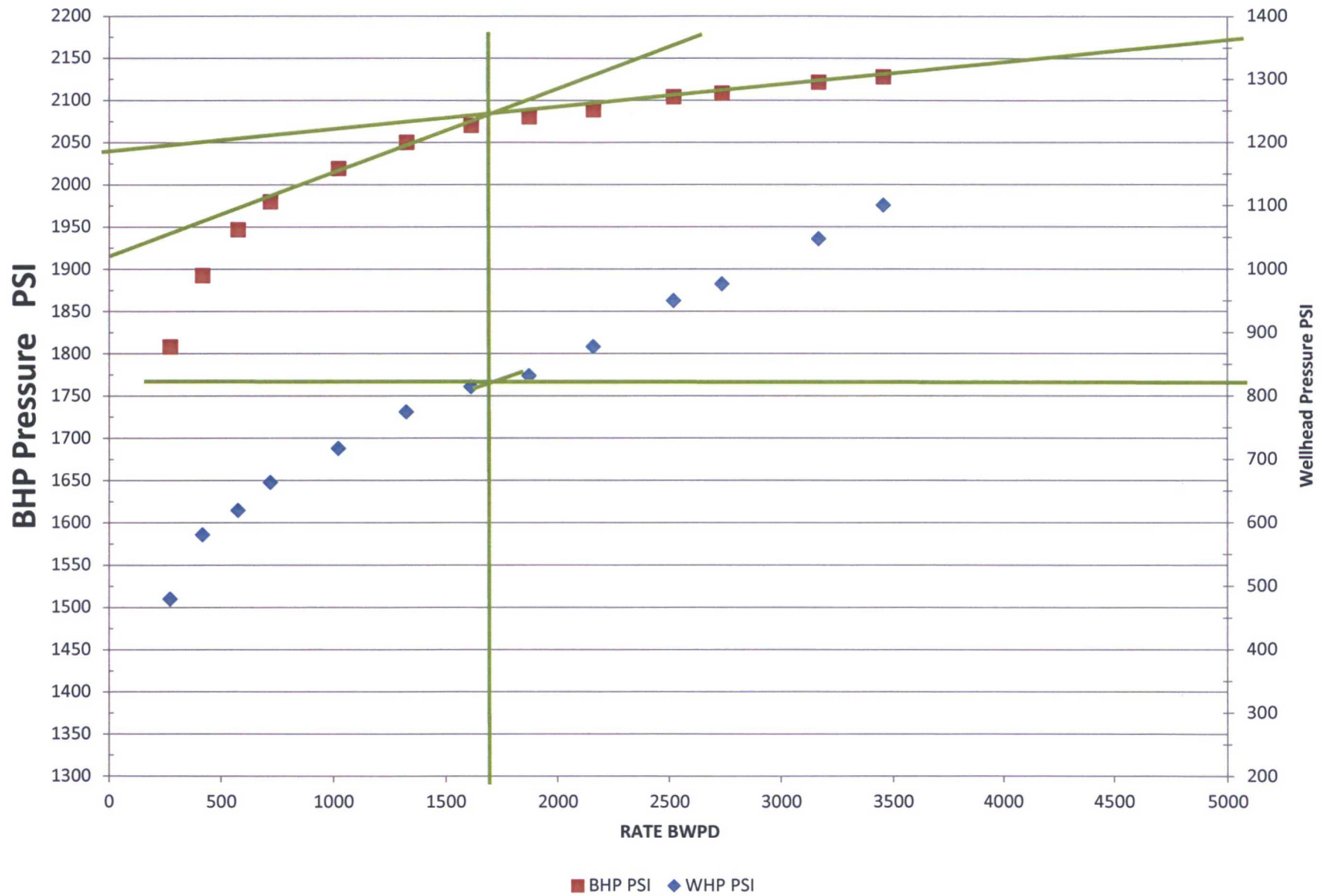
Type or print name LAURA PINA E-mail address lpina@legacylp.com PHONE: (432) 689-5200

For State Use Only

APPROVED BY: Accepted for Record Only TITLE Ms Brown DATE 10/18/2017

Conditions of Approval (if any):

# CJU 213





**STEP RATE TEST**

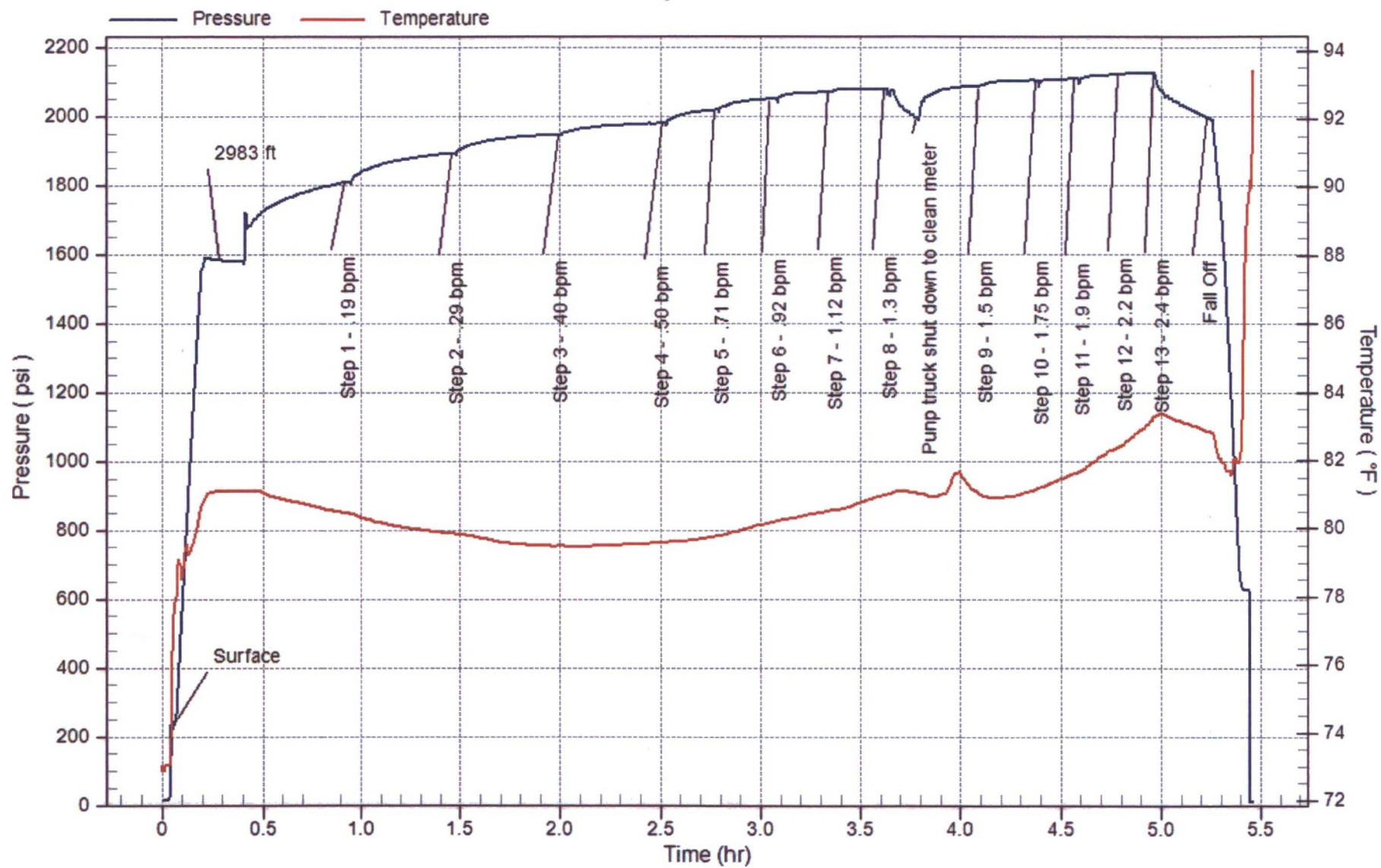
**Cooper Jal Unit #213  
September 15, 2017**

## JOB INFORMATION SHEET

| Company Information     |                                 |                 |
|-------------------------|---------------------------------|-----------------|
| Company Name:           | Legacy Resources Operating L.P. |                 |
| Well Information        |                                 |                 |
| Well Name:              | Cooper Jal Unit #213            |                 |
| Location:               | Jal, New Mexico                 |                 |
| Field – Pool:           | Cooper Jal                      |                 |
| Status:                 | Injecting                       |                 |
| Test Information        |                                 |                 |
| Type of Test:           | Step Rate Test                  |                 |
| Gauge Depth:            | 2983 ft                         |                 |
| Temperature @ Run Depth | 93.42 degF                      |                 |
| Surface Temperature:    | 72.88 degF                      |                 |
| Gauge Information       |                                 |                 |
|                         | Top Recorder                    | Bottom Recorder |
| Serial Number:          | 70257                           |                 |
| Calibration Date:       | 11/9/16                         |                 |
| Pressure Range:         | 10000 psi                       |                 |
| Comments                |                                 |                 |
|                         |                                 |                 |

# Cooper Jal Unit #213

Step Rate Test



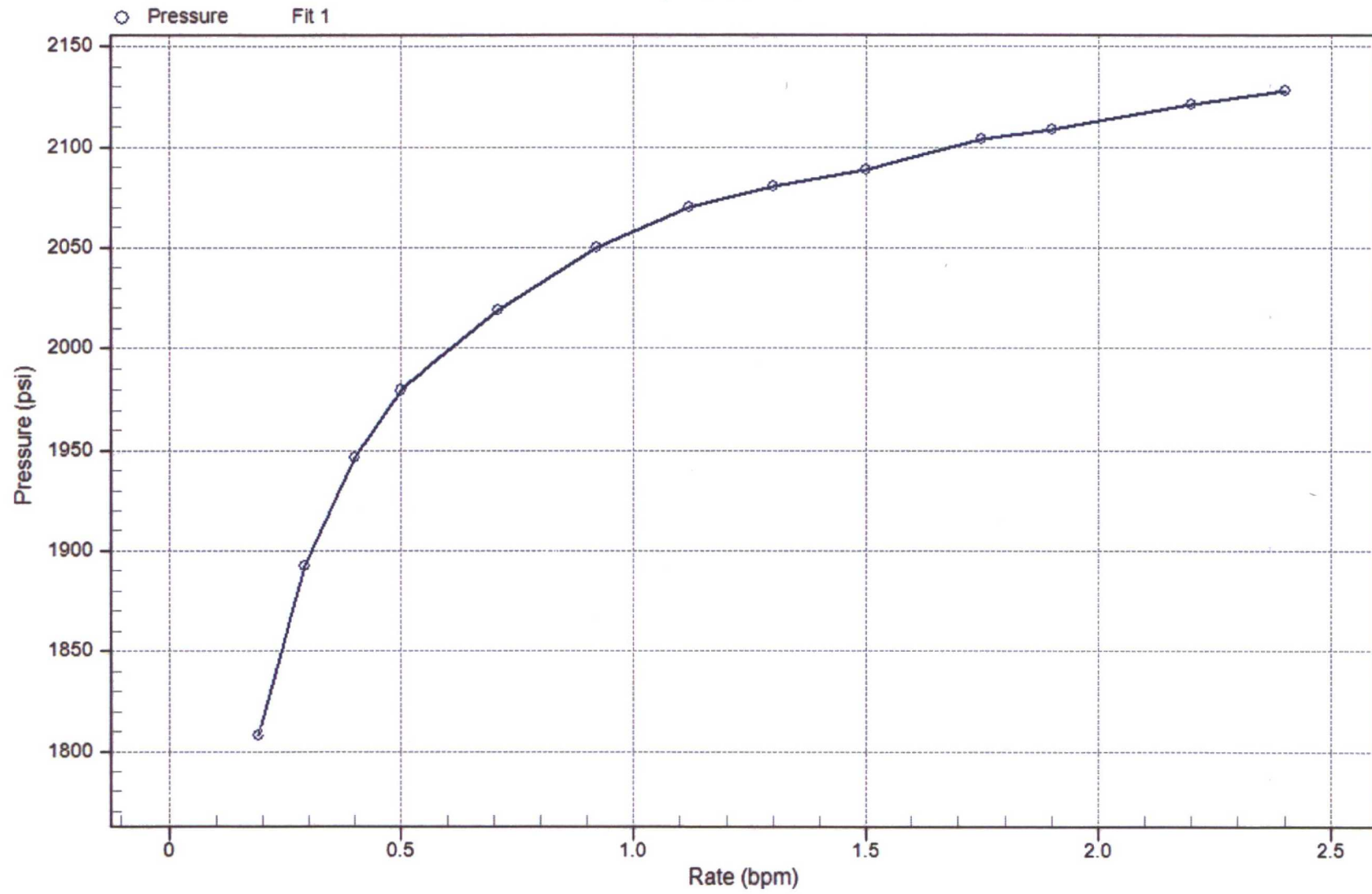
## Pressure and Temperature Report

Cooper Jal Unit #213

| Rate<br>bpm    | Pressure<br>psi | Temperature<br>degF |
|----------------|-----------------|---------------------|
| Step 1 - 0.19  | 1808.08         | 80.46               |
| Step 2 - 0.29  | 1892.46         | 79.84               |
| Step 3 - 0.40  | 1946.57         | 79.48               |
| Step 4 - 0.50  | 1979.61         | 79.59               |
| Step 5 - 0.71  | 2019.09         | 79.77               |
| Step 6 - 0.92  | 2050.29         | 80.17               |
| Step 7 - 1.12  | 2070.15         | 80.51               |
| Step 8 - 1.30  | 2080.53         | 80.98               |
| Step 9 - 1.50  | 2088.98         | 81.05               |
| Step 10 - 1.75 | 2104.19         | 81.16               |
| Step 11 - 1.90 | 2108.43         | 81.60               |
| Step 12 - 2.20 | 2121.36         | 82.37               |
| Step 13 - 2.40 | 2127.77         | 83.24               |

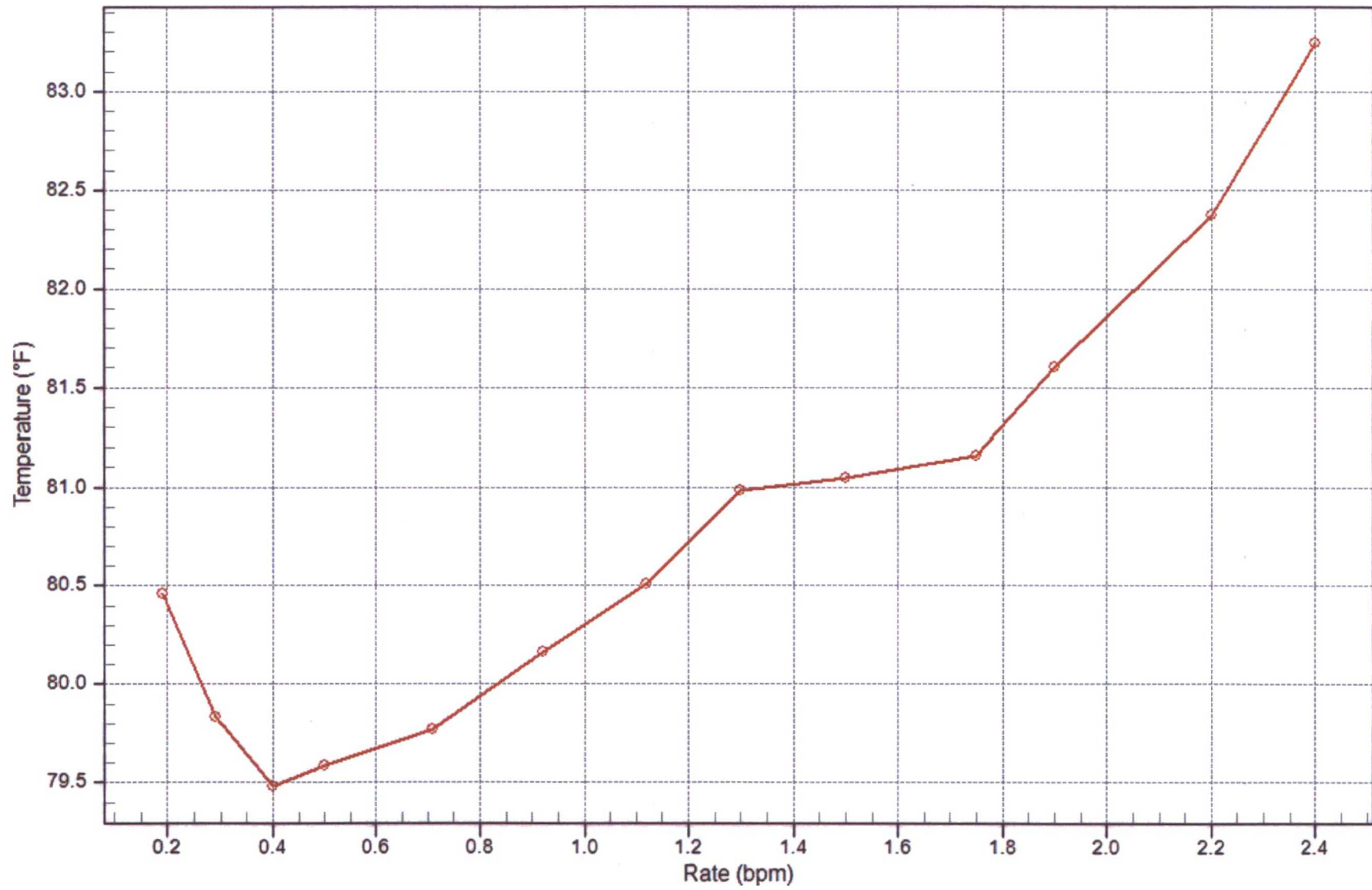
# Pressure vs. Rate

Cooper Jal Unit #213



# Temperature vs. Rate

Cooper Jal Unit #213



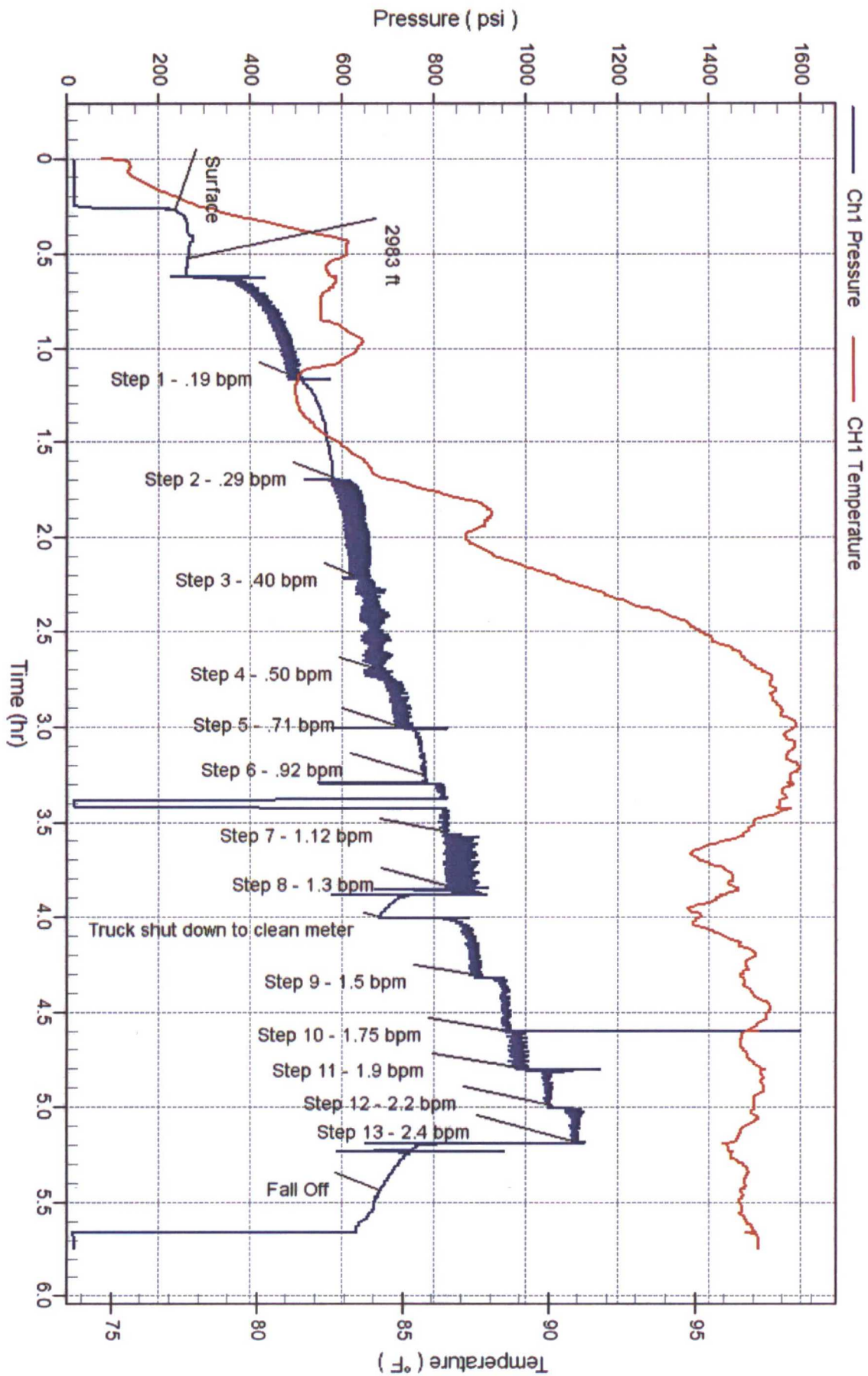
## Pressure and Temperature Report

Cooper Jal Unit #213 Surface

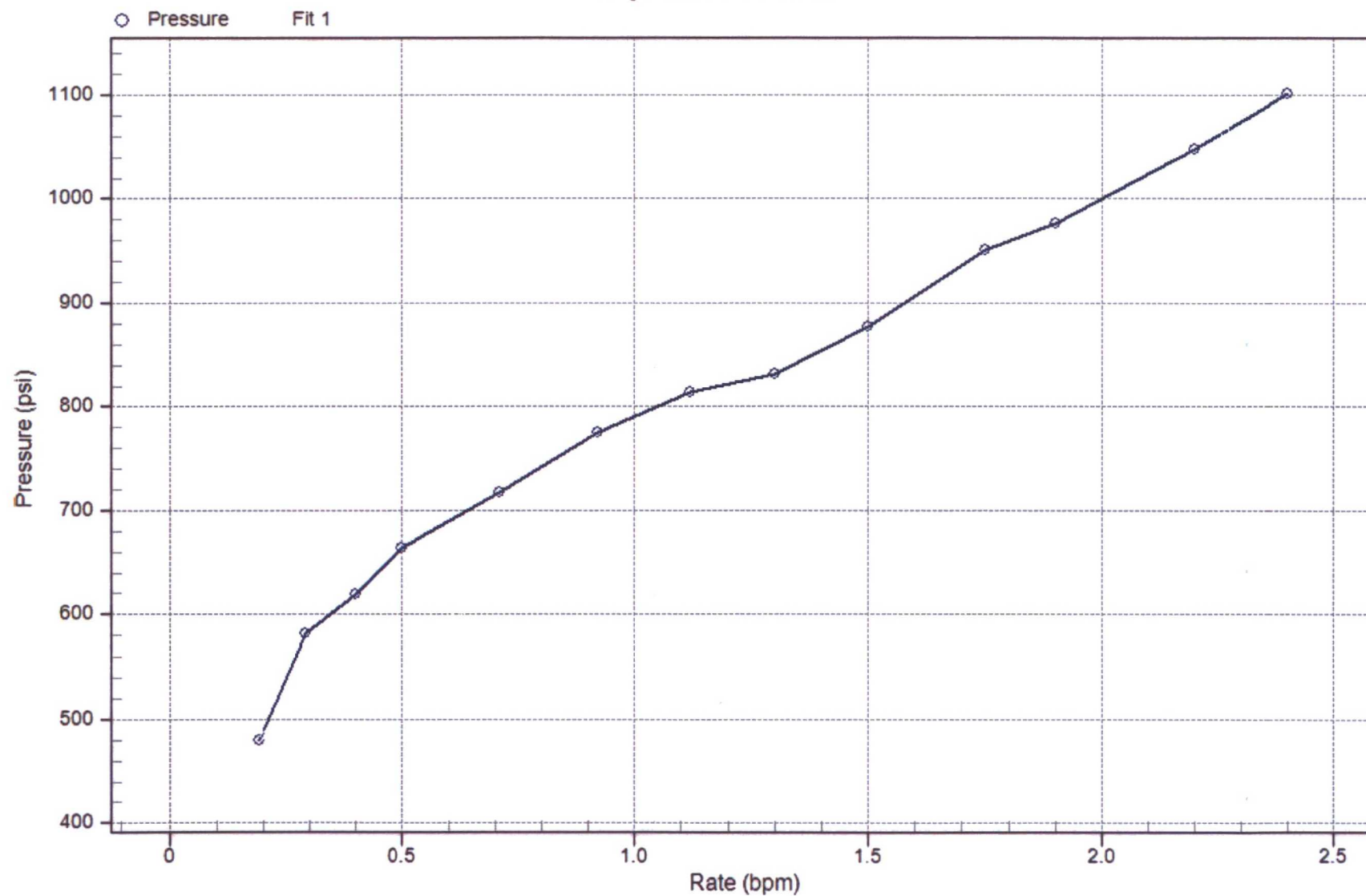
| Rate<br>bpm    | Pressure<br>psi | Temperature<br>degF |
|----------------|-----------------|---------------------|
| Step 1 - 0.19  | 479.84          | 81.40               |
| Step 2 - 0.29  | 581.10          | 84.37               |
| Step 3 - 0.40  | 619.69          | 90.33               |
| Step 4 - 0.50  | 663.46          | 97.50               |
| Step 5 - 0.71  | 717.00          | 98.41               |
| Step 6 - 0.92  | 774.41          | 98.21               |
| Step 7 - 1.12  | 814.48          | 96.80               |
| Step 8 - 1.30  | 831.69          | 96.15               |
| Step 9 - 1.50  | 877.57          | 96.57               |
| Step 10 - 1.75 | 950.35          | 96.79               |
| Step 11 - 1.90 | 976.57          | 97.29               |
| Step 12 - 2.20 | 1047.77         | 97.06               |
| Step 13 - 2.40 | 1100.76         | 96.39               |

# Cooper Jal Unit #213

Surface



**Pressure vs. Rate**  
Cooper Jal Unit #213 Surface



# Temperature vs. Rate

Cooper Jal Unit #213 Surface

