

| | | | | | |
|---------|----------|----------|-----------|------|---------|
| DATE IN | SUSPENSE | ENGINEER | LOGGED IN | TYPE | APP NO. |
|---------|----------|----------|-----------|------|---------|

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☒ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

- [A]** ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B]** ☐ Offset Operators, Leaseholders or Surface Owner
- [C]** ☐ Application is One Which Requires Published Legal Notice
- [D]** ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E]** ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F]** ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Denise Pinkerton Denise Pinkerton Regulatory Specialist 10/01/2015
 Print or Type Name Signature Title Date
 Lakeidacherryon.com
 e-mail Address

CVU #070

2375/0.54

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

| | | |
|---|--|---|
| 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.) | | WELL API NO 30-025-25726 |
| 1. Type of Well: Oil Well Gas Well <input type="checkbox"/> Other INJECTOR | | 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 2. Name of Operator CHEVRON U.S.A. INC. | | 6. State Oil & Gas Lease No. |
| 3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705 | | 7. Lease Name or Unit Agreement Name CENTRAL VACUUM UNIT |
| 4. Well Location Unit Letter: E 2630 feet from NORTH line and 1310 feet from the WEST line Section 36 Township 17S Range 34E NMPM County LEA | | 8. Well Number 070 |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) | | 9. OGRID Number 4323 |
| | | 10. Pool name or Wildcat VACUUM; GRAYBURG SAN ANDRES |

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

| | |
|---|--|
| NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: | SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: RESULTS OF 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.

PLEASE FIND ATTACHED, RESULTS OF A STEP RATE TEST THAT WAS RUN ON THE SUBJECT WELL.
PLEASE APPROVE HIGHER PRESSURE LIMITS AS THIS TEST INDICATES. (WATER INJECTION ONLY)

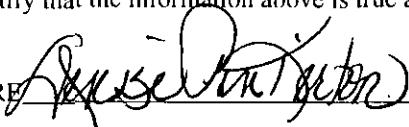
EXPECTED RATE, BWPD - 2500
EXPECTED PRESSURE, PSI - 2500

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



TITLE REGULATORY SPECIALIST

DATE 09/01/2015

Type or print name DENISE PINKERTON
For State Use Only

E-mail address: leakejd@chevron.com

PHONE: 432-687-7375

APPROVED BY:

TITLE

DATE

Conditions of Approval (if any):

CHEVRON

CENTRAL VACUUM UNIT # 70

August 21, 2015

JOB INFORMATION SHEET

| Company Information | |
|-------------------------|--|
| Company Name: | CHEVRON |
| Address: | 1500 LOUISIANA STREET HOUSTON, TX 77002 |
| Well Information | |
| Well Name: | CENTRAL VACUUM UNIT # 70 |
| Field - Pool: | VACUUM |
| Status: | SHUT-IN |
| Test Information | |
| Type of Test: | STEP-RATE TEST |
| Gauge Depth: | 4310' |
| Production Interval: | 4380'-4710' |
| Production Through: | TUBING |
| Tubing Pressure: | 2550 psi |
| Casing Pressure: | 0 psi |
| Shut In Time | 10:15 AM |
| Status: | SHUT-IN |
| Temperature @ Run Depth | 92.72 degF |
| Surface Temperature: | 87.96 degF |
| Comments | |
| NO FRAC WAS ACHIEVED | |

ARCHER WIRELINE

CHEVRON

WELL INFORMATION SHEET

| | | | |
|---------------|--------------------------|-------------------------|--------------|
| Well: | CENTRAL VACUUM UNIT # 70 | | |
| Well License: | | Unique Well Identifier: | 30-025-25726 |
| Company: | CHEVRON | | |
| Field | VACUUM | | |

| | | | | |
|------------|--|----------|-----|--|
| Location: | | County: | LEA | |
| Formation: | | State: | NM | |
| Purpose: | | Country: | USA | |

| | | | |
|----------------------------------|-------|-----------------------|---------|
| Total Depth: | 4310' | ID Borehole: | N/A |
| Packer Depth: | 4250' | ID Production Casing: | 3" |
| Depth of whipstock: | N/A | OD Production Tubing: | 2.0625" |
| Depth at which casing is landed: | 4800' | ID Production Tubing: | 1.6" |
| Depth at which tubing is landed: | 4250' | ID Drill Pipe: | N/A |

ARCHER WIRELINE

Gradient Data Report

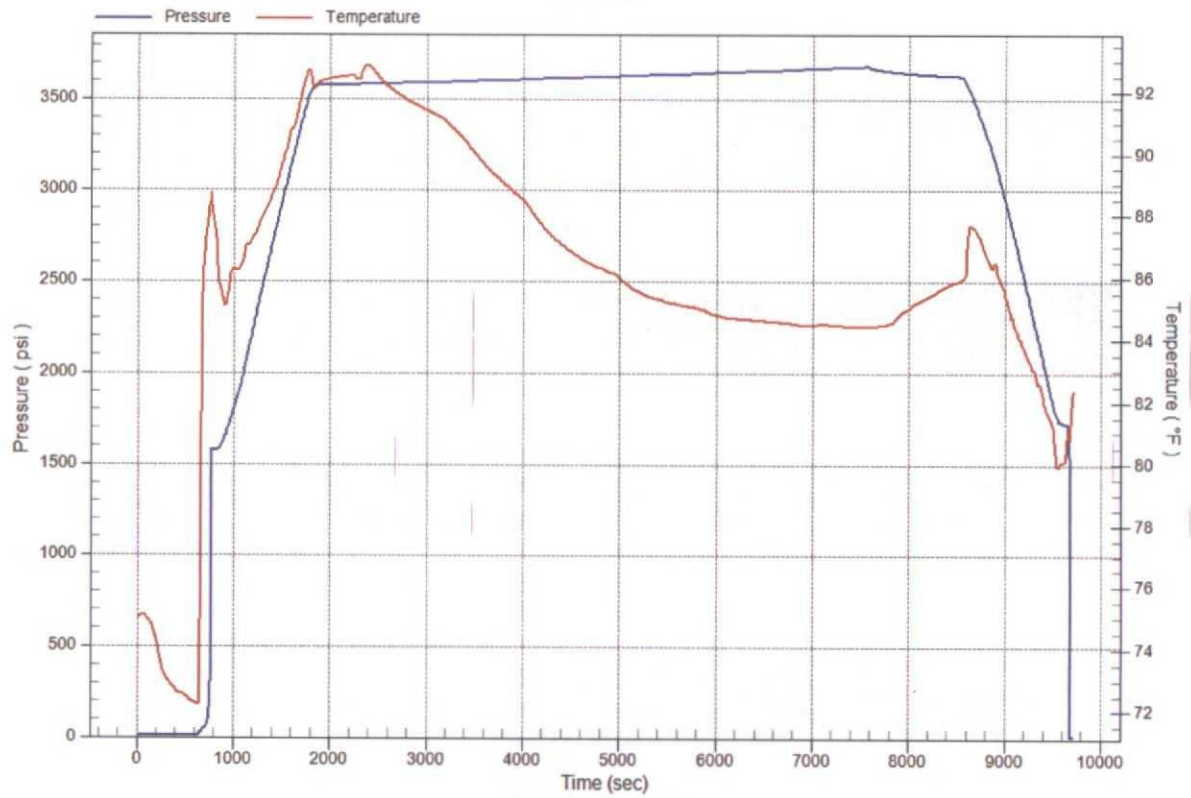
CHEVRON
CENTRAL VACUUM UNIT # 70

Gradient Data Table

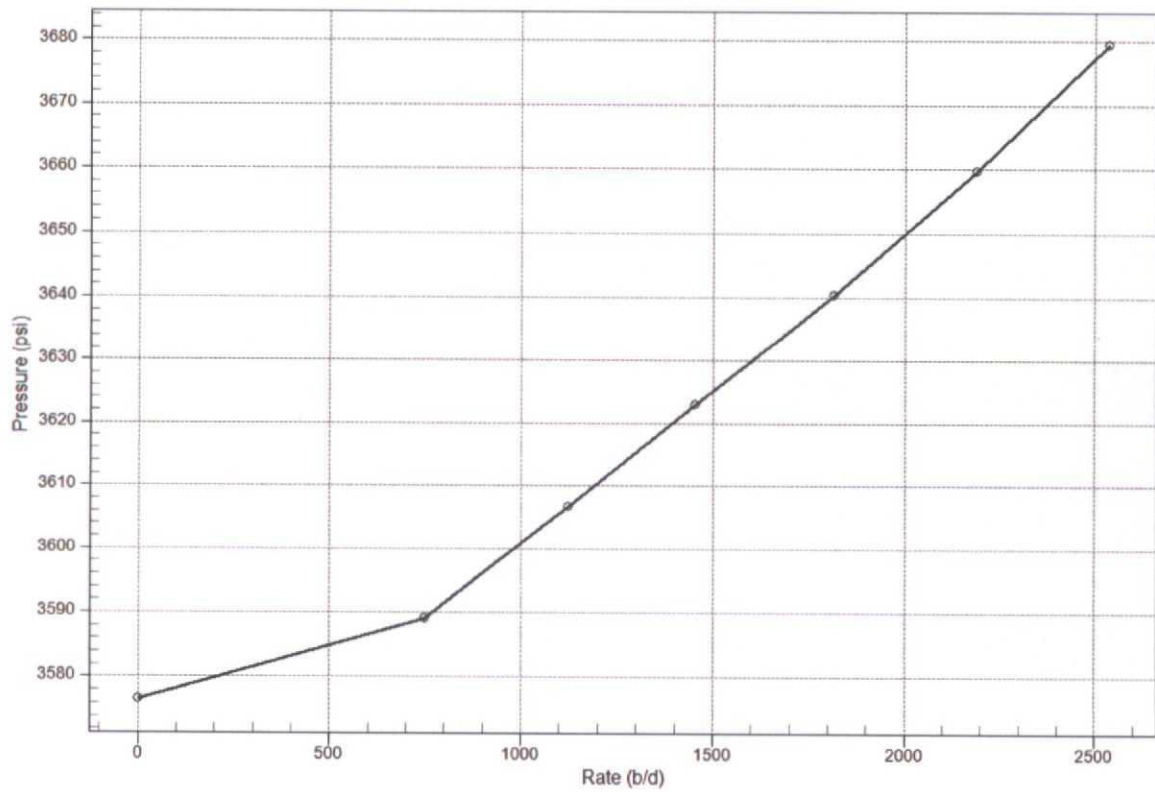
| Rate b/d | Pressure psi | Temperature degF | Gradient psi/rate |
|-------------|-----------------|---------------------|----------------------|
| 0.00 | 3576.54 | 92.54 | 0.0000 |
| 748.00 | 3589.15 | 91.29 | 0.0169 |
| 1123.00 | 3606.70 | 88.60 | 0.0468 |
| 1454.00 | 3622.87 | 86.20 | 0.0488 |
| 1814.00 | 3640.30 | 85.03 | 0.0484 |
| 2188.00 | 3659.59 | 84.56 | 0.0516 |
| 2534.00 | 3679.49 | 84.43 | 0.0575 |

ARCHER WIRELINE

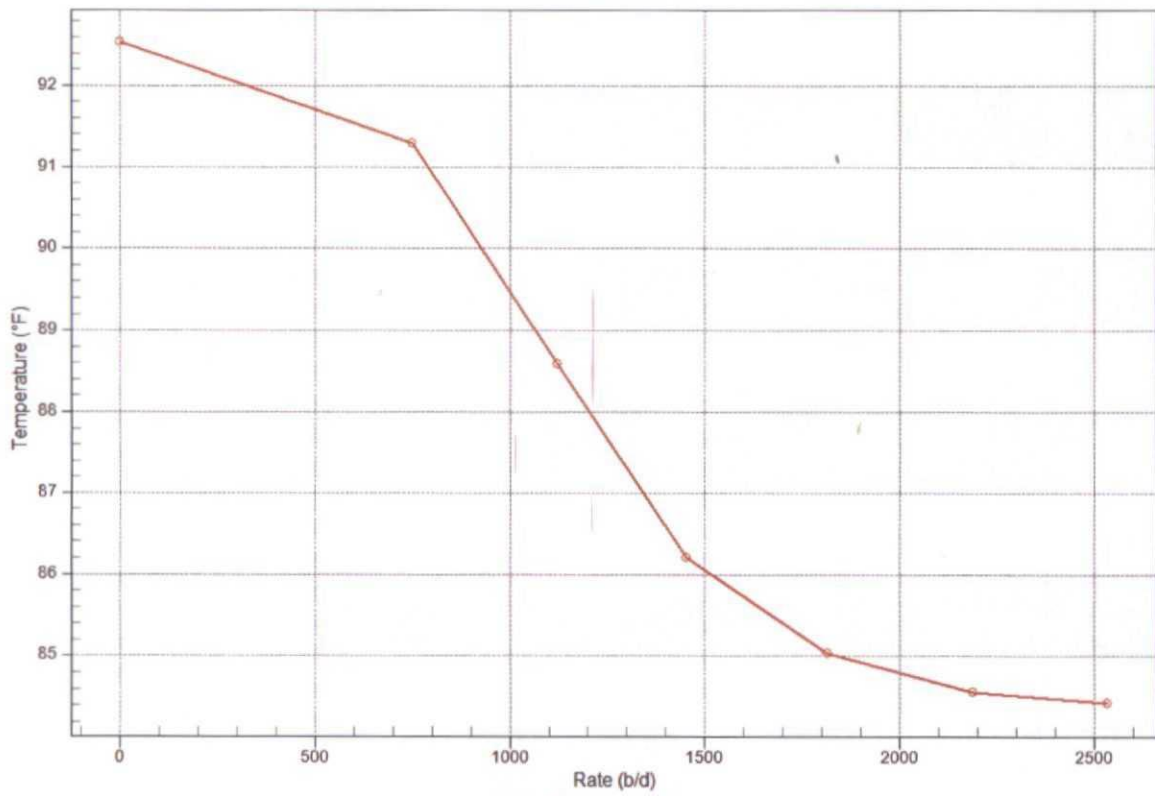
CVU # 70



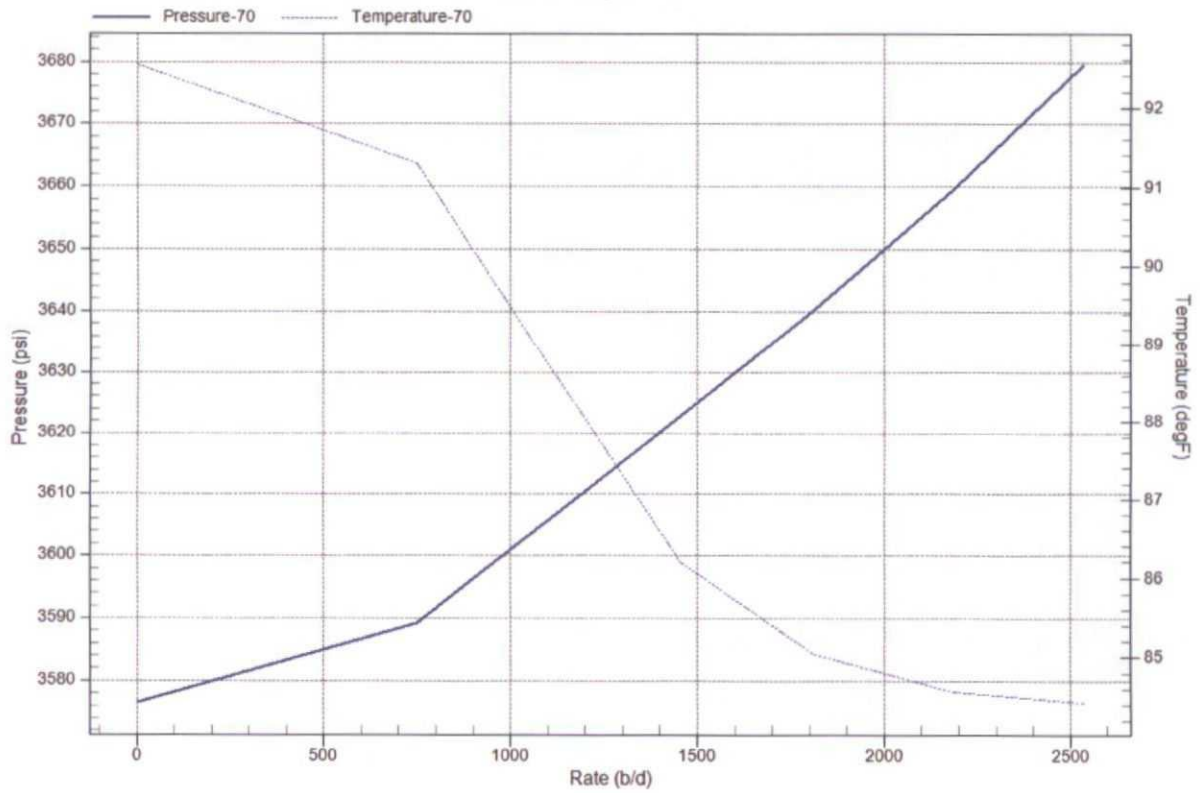
Pressure vs. Rate



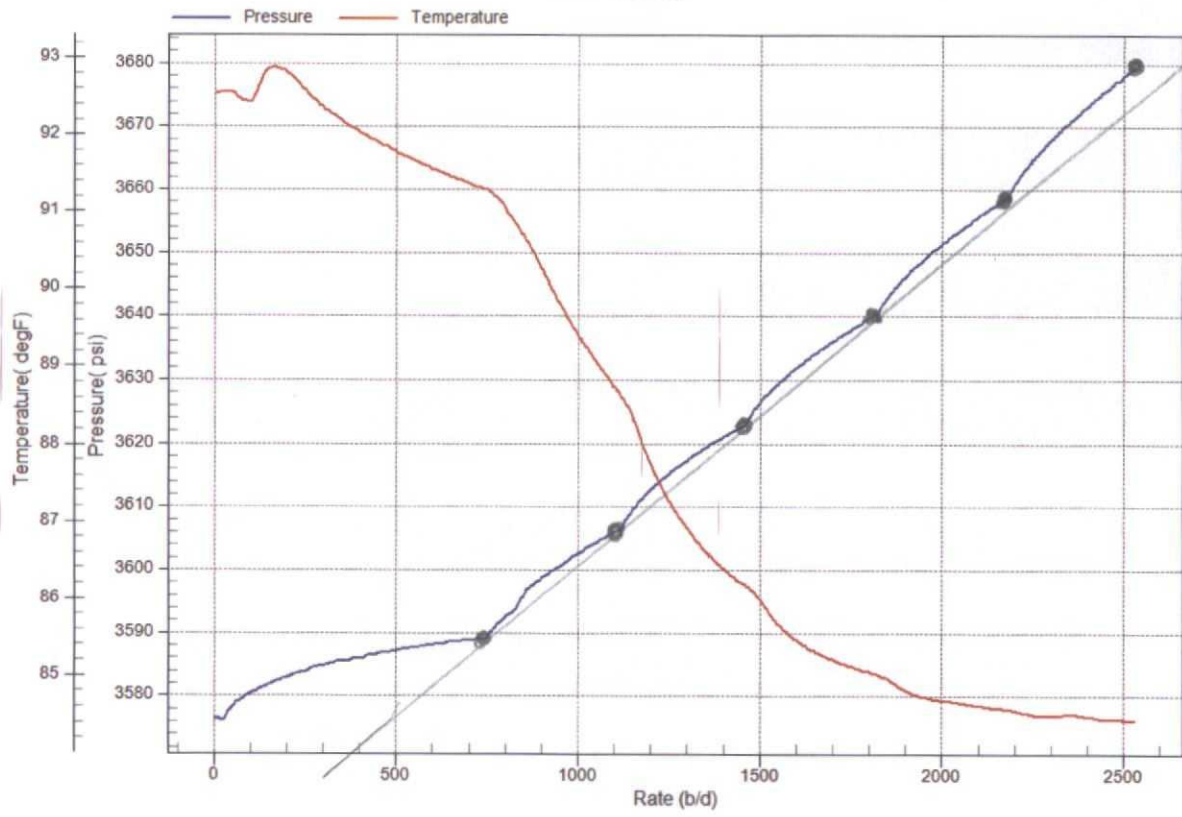
Temperature vs. Rate



Pres/Temp vs Rate



Pressure Log



Archer

STEP RATE TEST

| RATE B/D | Date | Time | BH PRESS | SURF. PRESS | Comments |
|---------------------------|-----------|----------|----------------------------|-------------|----------|
| 0 | 8/21/2015 | 8:45 AM | 3576 | 1550 | |
| 748 | 8/21/2015 | 9:00 AM | 3589 | 1775 | |
| 1123 | 8/21/2015 | 9:15 AM | 3606 | 1900 | |
| 1454 | 8/21/2015 | 9:30 AM | 3622 | 2050 | |
| 1814 | 8/21/2015 | 9:45 AM | 3640 | 2200 | |
| 2188 | 8/21/2015 | 10:00 AM | 3659 | 2375 | |
| 2534 | 8/21/2015 | 10:15 AM | 3679 | 2550 | |
| 5 MIN. FALLOFF | 8/21/2015 | 10:20 AM | 3647 | 1775 | |
| 10 MIN. FALLOFF | 8/21/2015 | 10:25 AM | 3635 | 1750 | |
| 15 MIN. FALLOFF | 8/21/2015 | 10:30 AM | 3626 | 1725 | |
| Company: CHEVRON USA | | | Recorded By: T. STANCZAK | | |
| Well: CVU # 70 | | | Witnessed By: | | |
| Field: VACUUM | | | Truck Number: 104 | | |
| County: LEA | | | District: LEVELLAND | | |
| State: NM | | | Tool Number: | | |
| Injector: WATER | | | Test Type: STEP RATE TESTS | | |
| Tubing Size: 2.0625" | | | NO FRAC WAS ACHIEVED | | |
| Seat Nipple Depth: N/A | | | | | |
| Shut-In Time: 10:15 AM | | | | | |
| Open Hole: | | | | | |
| Perforations: 4380'-4710' | | | | | |
| Plug Back Depth N/A | | | | | |

RATE VS. PRESSURE

