

10/13  
EMAIL

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 \_\_\_\_\_

RECEIVED OOD  
2015 SEP 18 A 3:05

[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

Print or Type Name

*[Signature]*  
Signature

REGULATORY SPECIALIST

Title

09/15/2015

Date

LEAKEJD@CHEVRON.COM

e-mail Address

VDSAU #149

5-22  
R-4442-B  
13961  
1845  
12-11-07

1825 = 0.44  
2050 = 0.50

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 30-025-30847
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name VACUUM GRAYBURG S/A UNIT
8. Well Number 149
9. OGRID Number 4323
10. Pool name, or Wildcat VACUUM; GRAYBURG SAN ANDRES

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 <input type="checkbox"/> Other INJECTOR
2. Name of Operator CHEVRON U.S.A. INC.
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705
4. Well Location Unit Letter: C 1330 feet from NORTH line and 1980 feet from the WEST line Section I Township 18S Range 34E NMPM County LEA
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

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

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

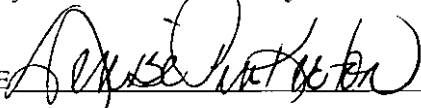
PLEASE FIND ATTACHED, RESULTS OF A STEP RATE TEST THAT WAS RUN ON THE SUBJECT WELL.  
PLEASE APPROVE HIGHER PRESSURE LIMITS AS THIS TEST INDICATES. THIS IS FOR WATER ONLY.

EXPECTED RATE, BWPD - 2300  
EXPECTED PRESSURE, PSI - 2000

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 09/15/2015  
Type or print name DENISE PINKERTON E-mail address: leakejd@chevron.com PHONE: 432-687-7375  
For State Use Only

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
Conditions of Approval (if any):

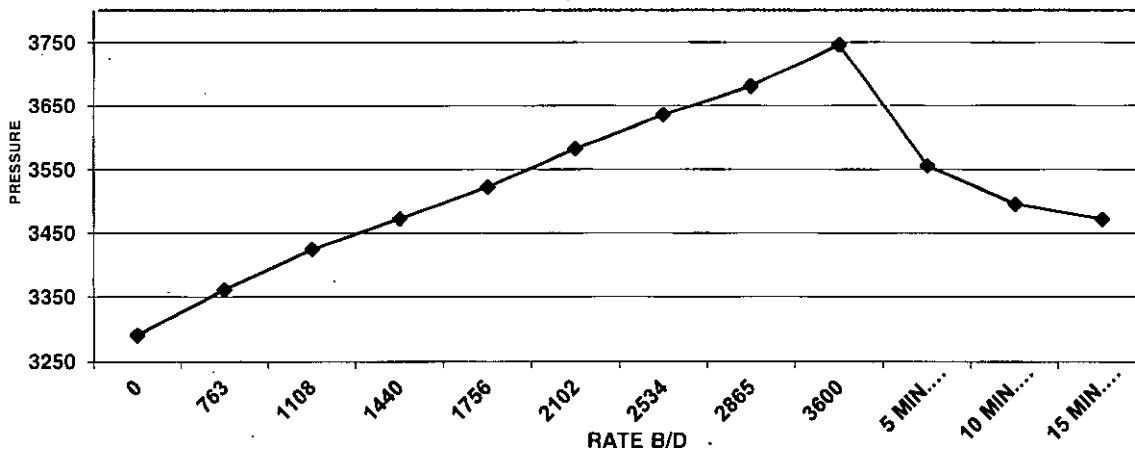
30-025-30847  
C-1 183 34E 1330N, 1980W

# Archer

## STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	8/26/2015	8:30 AM	3290	1375	
763	8/26/2015	8:45 AM	3361	1520	
1108	8/26/2015	9:00 AM	3424	1650	
1440	8/26/2015	9:15 AM	3472	1740	
1756	8/26/2015	9:30 AM	3522	1825	
2102	8/26/2015	9:45 AM	3582	1925	
2534	8/26/2015	10:00 AM	3635	2050	FRAC
2865	8/26/2015	10:15 AM	3680	2140	
3600	8/26/2015	10:30 AM	3746	2300	
5 MIN. FALLOFF	8/26/2015	10:35 AM	3555	1760	
10 MIN. FALLOFF	8/26/2015	10:40 AM	3495	1700	
15 MIN. FALLOFF	8/26/2015	10:45 AM	3471	1675	
Company: CHEVRON USA			Recorded By: T. STANCZAK		
Well: VGSAU # 149			Witnessed By:		
Field: VACUUM			Truck Number: 104		
County: LEA			District: LEVELLAND		
State: NM			Tool Number:		
Injector: WATER			Test Type: STEP RATE TESTS		
Tubing Size: 2.875"			FRAC @ 2534 B/D		
Seat Nipple Depth: N/A			3617 BOTTOM HOLE PRESSURE		
Shut-In Time: 10:30 AM			2030 SURFACE PRESSURE		
Open Hole:					
Perforations: 4132'-4843'					
Plug Back Depth: N/A					

RATE VS. PRESSURE



**Pressure Survey Report**

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**CHEVRON**

**VACUUM GRAYBURG SAN ANDRES UNIT # 149**

August 26, 2015

## JOB INFORMATION SHEET

Company Information	
Company Name:	CHEVRON
Address:	1500 LOUISIANA STREET HOUSTON, TX 77002
Well Information	
Well Name:	VACUUM GRAYBURG SAN ANDRES UNIT # 149
Field - Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP-RATE TEST
Gauge Depth:	4080'
Production Interval:	4132'-4843'
Production Through:	TUBING
Tubing Pressure:	2300 psi
Casing Pressure:	0 psi
Shut In Time	10:30 AM
Status:	SHUT-IN
Temperature @ Run Depth	92.73 degF
Surface Temperature:	94.29 degF
Comments	
FRAC @ 2534 B/D 3617 BOTTOM HOLE PRESSURE 2030 SURFACE PRESSURE	

ARCHER WIRELINE

CHEVRON

## WELL INFORMATION SHEET

Well:	VACUUM GRAYBURG SAN ANDRES UNIT # 149		
Well License:		Unique Well Identifier:	30-025-30847
Company:	CHEVRON		
Field	VACUUM		

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

Total Depth:	4080'	ID Borehole:	N/A
Packer Depth:	4035'	ID Production Casing:	6.4"
Depth of whipstock:	N/A	OD Production Tubing:	2.875"
Depth at which casing is landed:	5000'	ID Production Tubing:	2.3"
Depth at which tubing is landed:	4838'	ID Drill Pipe:	N/A

ARCHER WIRELINE

## Gradient Data Report

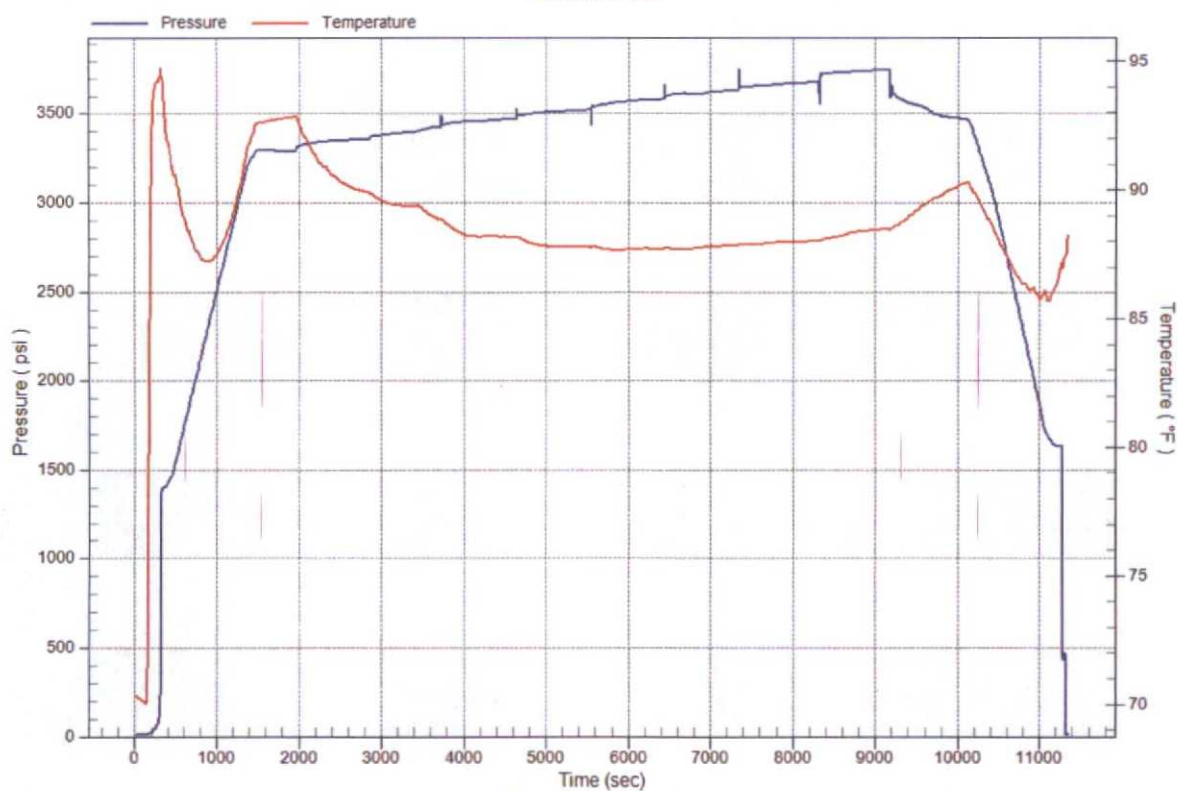
CHEVRON  
VACUUM GRAYBURG SAN ANDRES UNIT # 149

Gradient Data Table

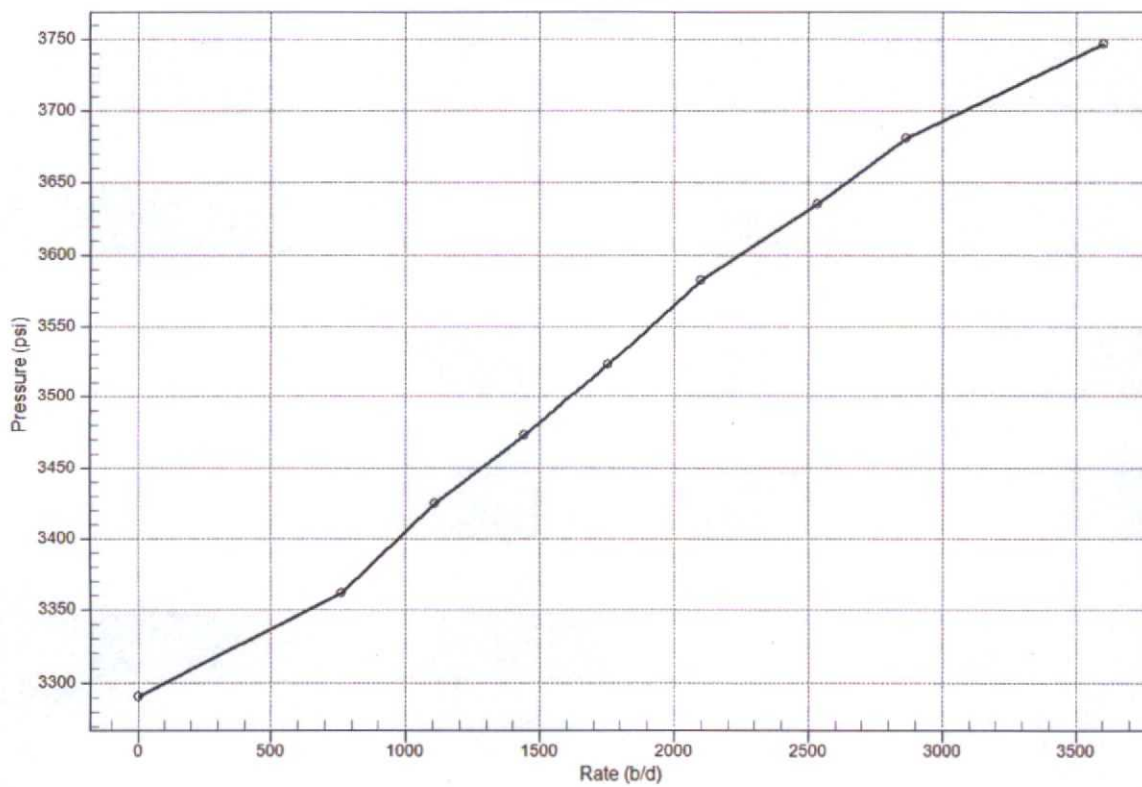
Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	3290.55	92.84	0.0000
763.00	3361.86	89.89	0.0935
1108.00	3424.84	88.83	0.1826
1440.00	3472.94	88.16	0.1449
1756.00	3522.36	87.79	0.1564
2102.00	3582.19	87.71	0.1729
2534.00	3635.26	87.85	0.1228
2865.00	3680.94	88.03	0.1380
3600.00	3746.46	88.49	0.0891

ARCHER WIRELINE

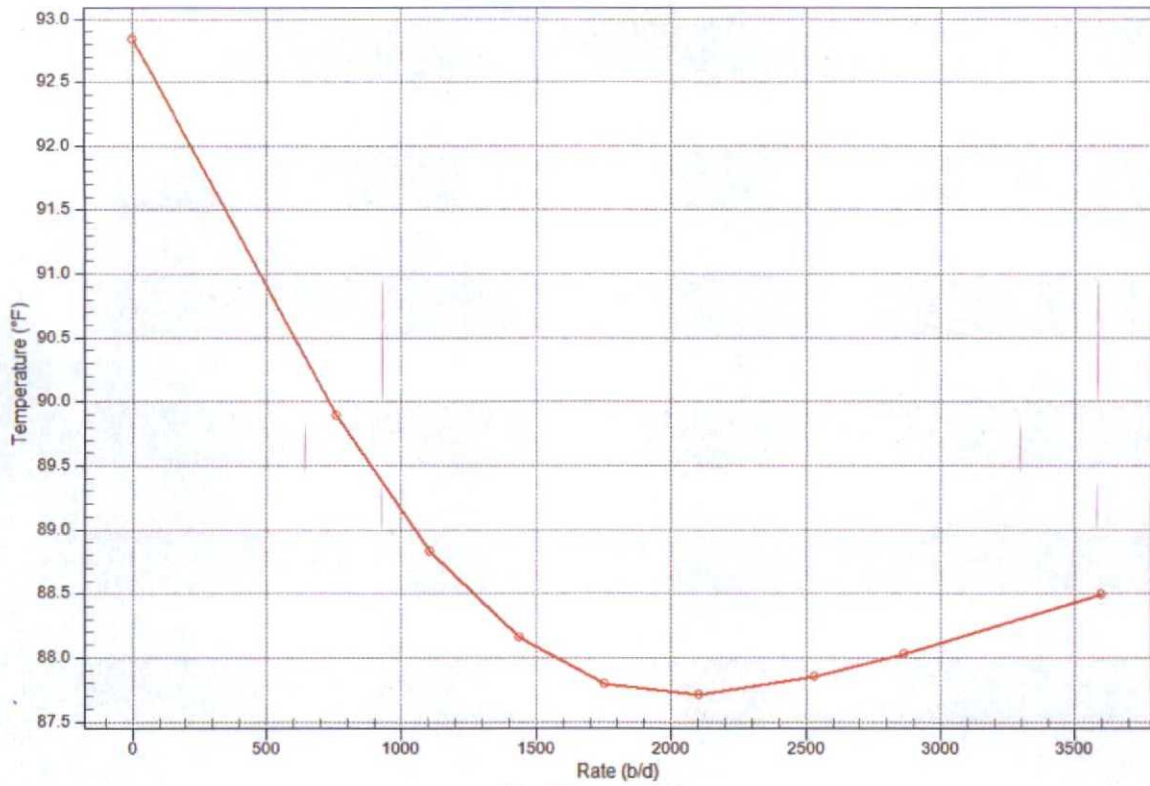
# VGSAU # 149



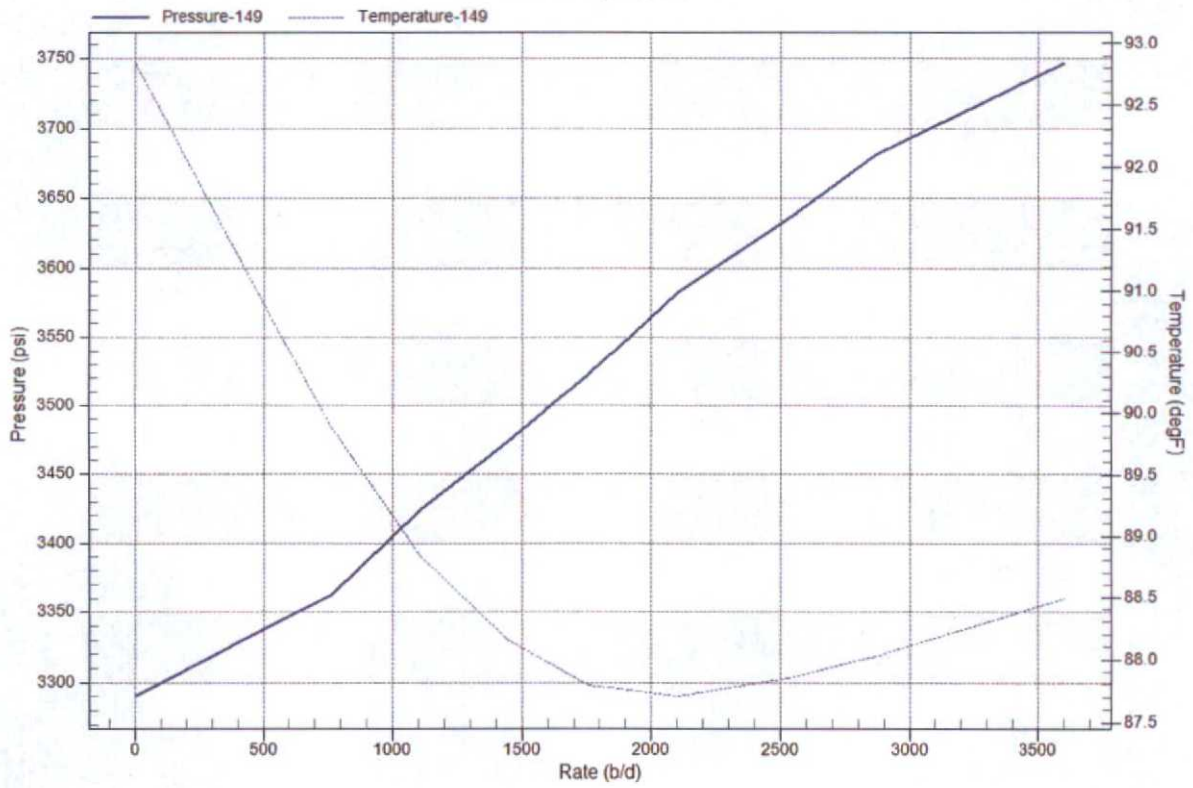
## Pressure vs. Rate



Temperature vs. Rate



Pres/Temp vs Rate



# Pressure Log

