

8/24/2015	SUSPENSE	ENGINEER	8/24/2015	LOGGED IN	FDR	APP NO. 152365153
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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 \_\_\_\_\_

- IPI  
 - Chevron USA, Inc  
 4323  
 Well  
 - 30-025-24330  
 - Uchum GmArbyrn San Andres  
 - Uchum GmArbyrn -  
 San Andres  
 62180

#### [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

RECEIVED OGD  
 2015 AUG 24 P 3:15

#### [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/permits 08/21/15  
 Print or Type Name Signature Title Date  
 Leaked@Chevron.com  
 e-mail Address

✓ DSAU 32 R-4442-B  
 1730/1850  
 2200

2200

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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 30-025-24330
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 VACUUM GRAYBURG S/A UNIT
4. Well Location Unit Letter: L 2630 feet from SOUTH line and 30 feet from the WEST line Section 1      Township 18S      Range 34E      NMPM      County LEA		8. Well Number 32
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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
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.

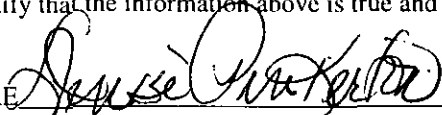
EXPECTED RATE, BWPD - 2400  
EXPECTED PRESSURE, PSI - 2500

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 08/21/2015

Type or print name DENISE PINKERTON  
For State Use Only

E-mail address: [leakejd@chevron.com](mailto:leakejd@chevron.com)

PHONE: 432-687-7375

APPROVED BY:

TITLE

DATE

Conditions of Approval (if any):

**Pressure Survey Report**

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**CHEVRON**

**VACUUM GRAYBURG SAN ANDRES UNIT # 32**

August 13, 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 # 32
Field - Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP-RATE TEST
Gauge Depth:	4300'
Production Interval:	4333'-4781'
Production Through:	TUBING
Tubing Pressure:	2600 psi
Casing Pressure:	0 psi
Shut In Time	2:30 PM
Status:	SHUT-IN
Temperature @ Run Depth	92.86 degF
Surface Temperature:	95.11 degF
Comments	
SOFT FRAC @ 2131 B/D 3819 BOTTOM HOLE PRESSURE 2400 SURFACE PRESSURE	

ARCHER WIRELINE

CHEVRON

## WELL INFORMATION SHEET

Well:	VACUUM GRAYBURG SAN ANDRES UNIT # 32		
Well License:		Unique Well Identifier:	32-025-24330
Company:	CHEVRON		
Field	VACUUM		

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

Total Depth:	4300'	ID Borehole:	N/A
Packer Depth:	4254'	ID Production Casing:	5"
Depth of whipstock:	N/A	OD Production Tubing:	2.375"
Depth at which casing is landed:	4800'	ID Production Tubing:	2"
Depth at which tubing is landed:	4254'	ID Drill Pipe:	N/A

ARCHER WIRELINE

## Gradient Data Report

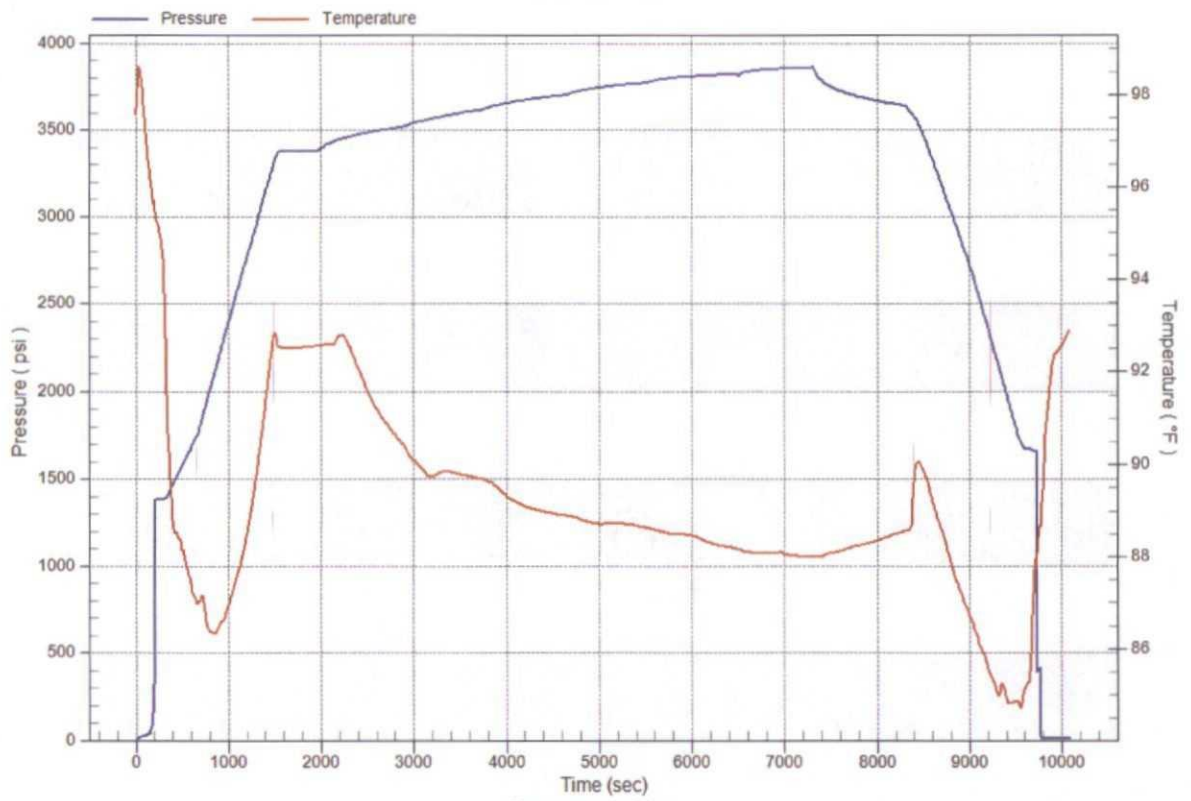
CHEVRON  
VACUUM GRAYBURG SAN ANDRES UNIT # 32

Gradient Data Table

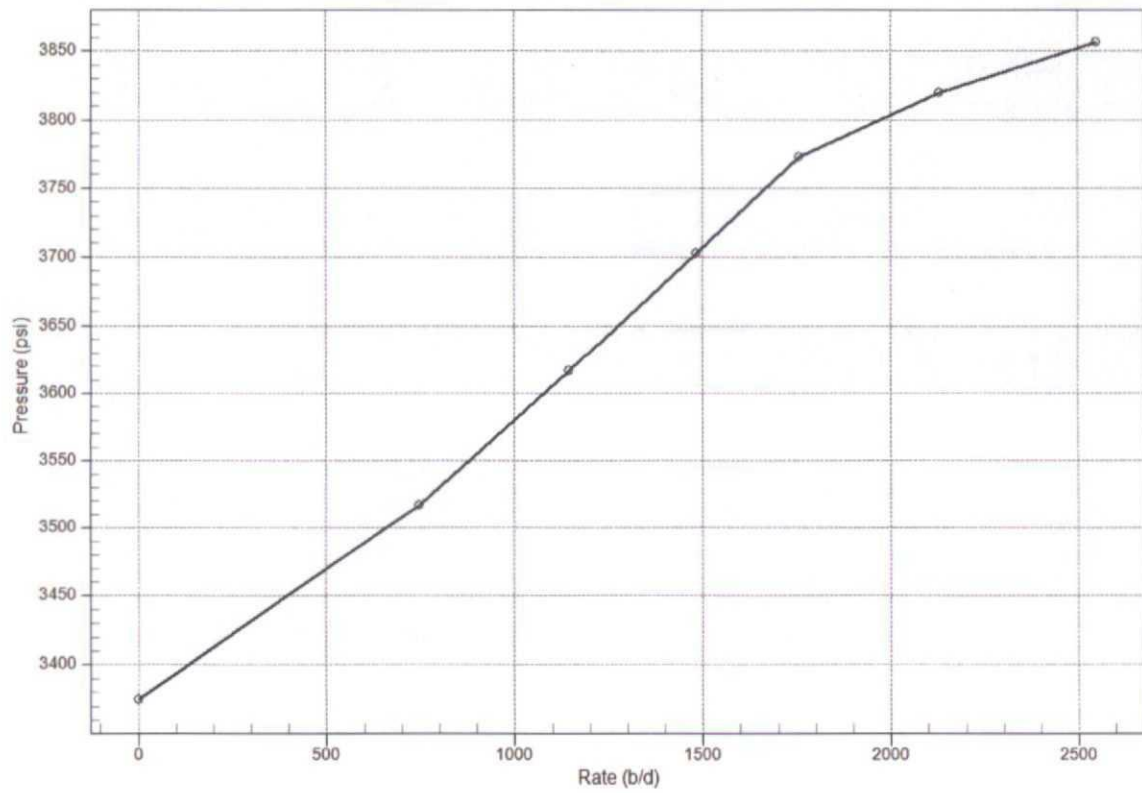
Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	3375.05	92.54	0.0000
748.00	3516.57	90.52	0.1892
1144.00	3616.91	89.69	0.2534
1483.00	3702.89	88.89	0.2536
1756.00	3772.49	88.63	0.2549
2131.00	3819.46	88.18	0.1253
2548.00	3856.53	88.01	0.0889

ARCHER WIRELINE

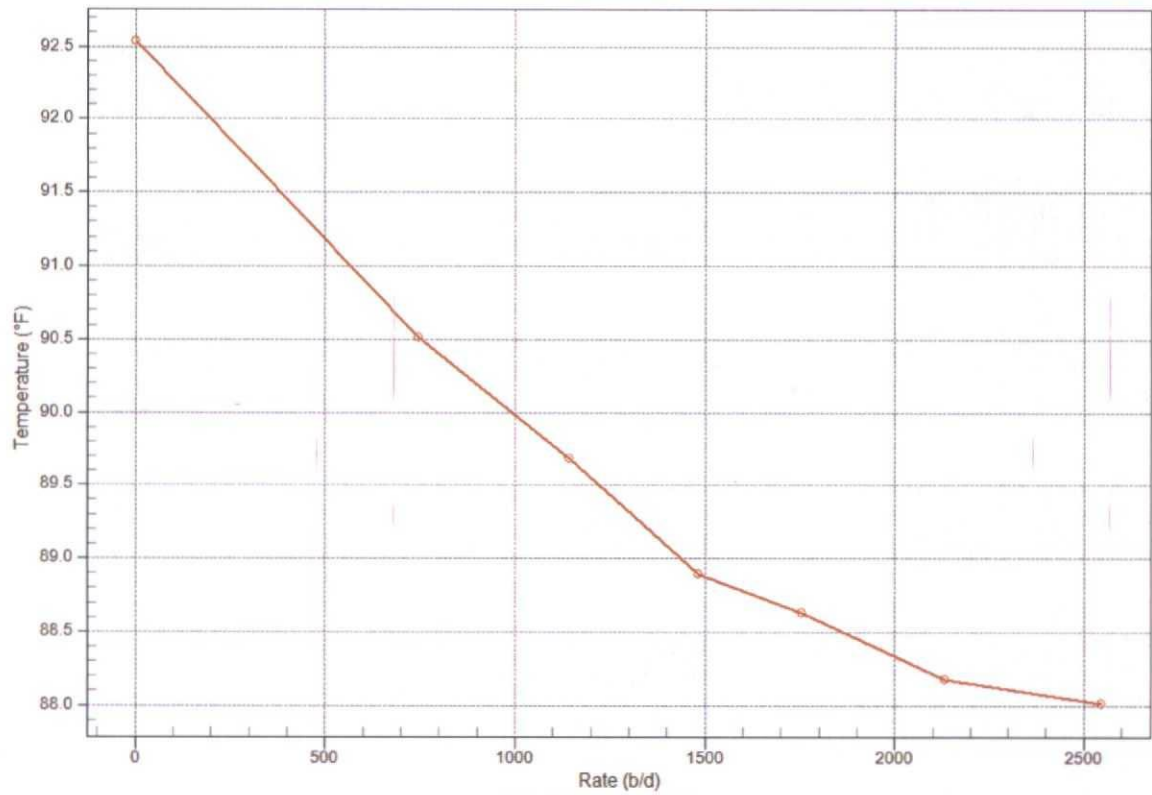
# VGSAU # 32



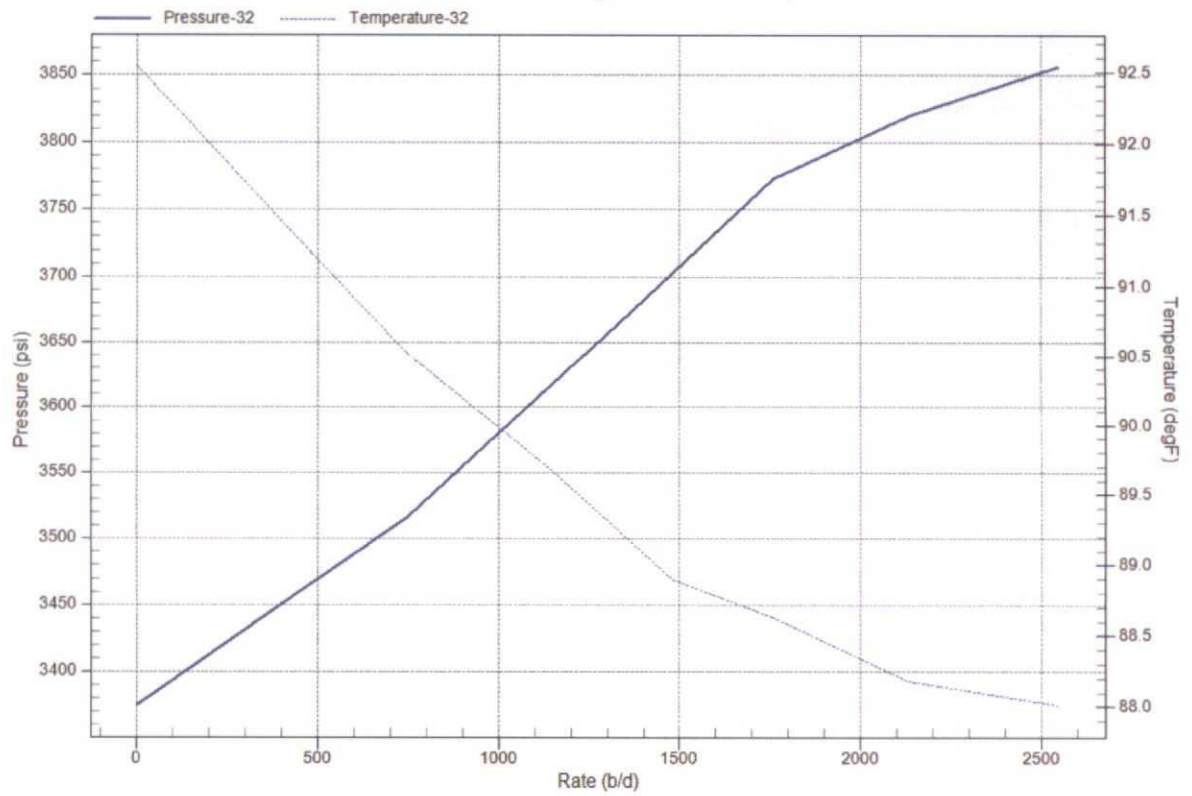
## Pressure vs. Rate



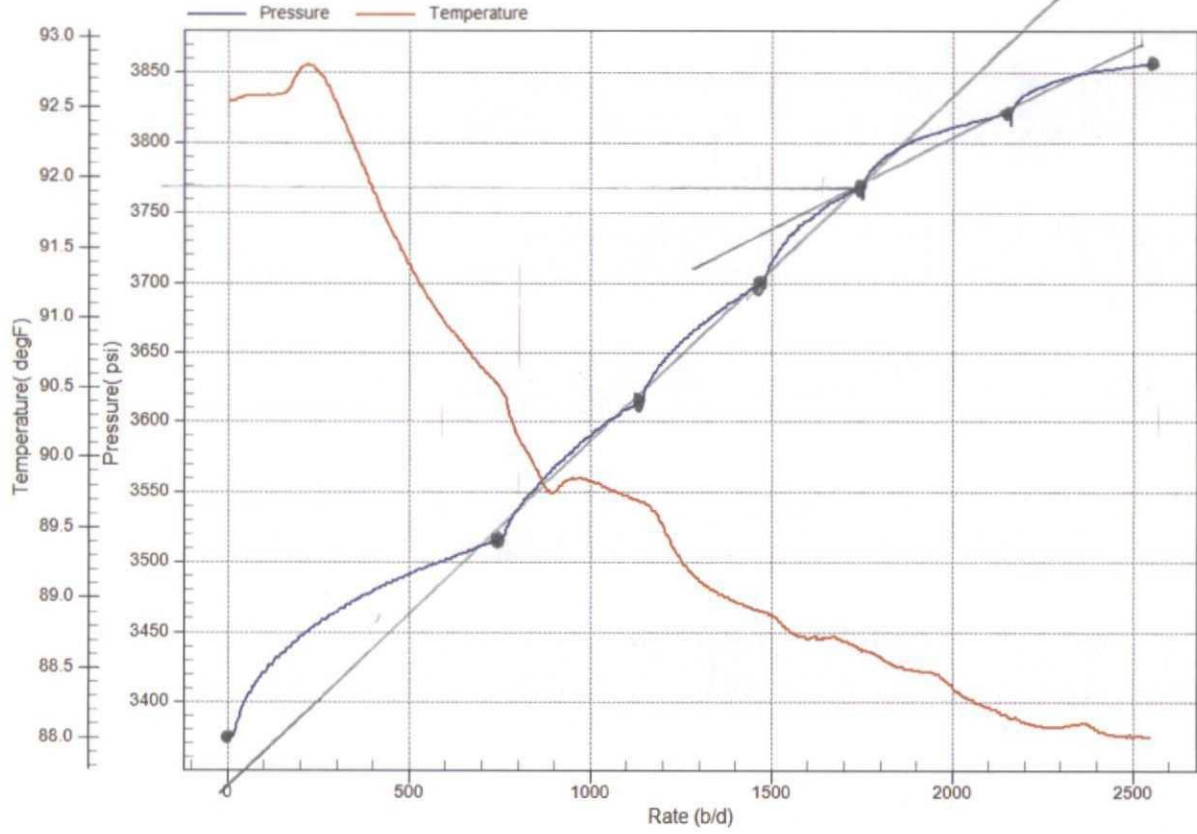
Temperature vs. Rate



Pres/Temp vs Rate



# Pressure Log





# Archer

## STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	8/13/2015	1:00 PM	3375	1375	
748	8/13/2015	1:15 PM	3516	1710	
1144	8/13/2015	1:30 PM	3616	1890	
1483	8/13/2015	1:45 PM	3702	2075	
1756	8/13/2015	2:00 PM	3772	2230	
2131	8/13/2015	2:15 PM	3819	2400	
2548	8/13/2015	2:30 PM	3856	2600	SOFT FRAC
5 MIN. FALLOFF	8/13/2015	2:35 PM	3712	1800	
10 MIN. FALLOFF	8/13/2015	2:40 PM	3670	1775	
15 MIN. FALLOFF	8/13/2015	2:45 PM	3642	1750	
Company: CHEVRON USA			Recorded By: T. STANCZAK		
Well: VGSAU # 32			Witnessed By:		
Field: VACUUM			Truck Number: 104		
County: LEA			District: LEVELLAND		
State: NM			Tool Number:		
Injector: WATER			Test Type: STEP RATE TESTS		
Tubing Size: 2.375"			SOFT FRAC @ 2131 B/D 3819 BOTTOM HOLE PRESSURE 2400 SURFACE PRESSURE		
Seat Nipple Depth: N/A					
Shut-In Time: 2:30 PM					
Open Hole:					
Perforations: 4333'-4781'					
Plug Back Depth N/A					

RATE VS. PRESSURE

