

8/20/2015	SUSPENSE	ENGINEER	8/20/2015	TYPE	DM 15-2331-199
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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 _____

[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 08/17/2015
 Print or Type Name Signature Title Date
 Leakeid@chevron.com
 e-mail Address

WFX # 250

WFX-823
 1730/830
 2200

2100

- Chevron USA, Inc
 4323

- L 211

- Vacuum Grubbing
 SAN ANTONIO #250
 30-025-38001

2015 AUG 20 P 3:33
 RECEIVED OOD

PO 01

- Vacuum Grubbing -
 SAN ANTONIO
 62180

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 30-025-38001
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 250
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 ☐ 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: H 1443 feet from NORTH line and 1286 feet from the EAST 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:

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: 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 - 2100

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 08/17/2015

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

VACUUM GRAYBURG SAN ANDRES UNIT # 250

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 # 250
Field - Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP-RATE TEST
Gauge Depth:	4330'
Production Interval:	4351'-4869'
Production Through:	TUBING
Tubing Pressure:	2425 psi
Casing Pressure:	0 psi
Shut In Time	11:00 AM
Status:	SHUT-IN
Temperature @ Run Depth	93.65 degF
Surface Temperature:	92.00 degF
Comments	
SOFT FRAC @ 2563 B/D 3835 BOTTOM HOLE PRESSURE 2175 SURFACE PRESSURE	

ARCHER WIRELINE

CHEVRON

WELL INFORMATION SHEET

Well:	VACUUM GRAYBURG SAN ANDRES UNIT # 250		
Well License:		Unique Well Identifier:	30-025-38001
Company:	CHEVRON		
Field	VACUUM		

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

Total Depth:	4330'	ID Borehole:	N/A
Packer Depth:	4280'	ID Production Casing:	6.3"
Depth of whipstock:	N/A	OD Production Tubing:	2.875"
Depth at which casing is landed:	5180'	ID Production Tubing:	2.4"
Depth at which tubing is landed:	4280'	ID Drill Pipe:	N/A

ARCHER WIRELINE

Gradient Data Report

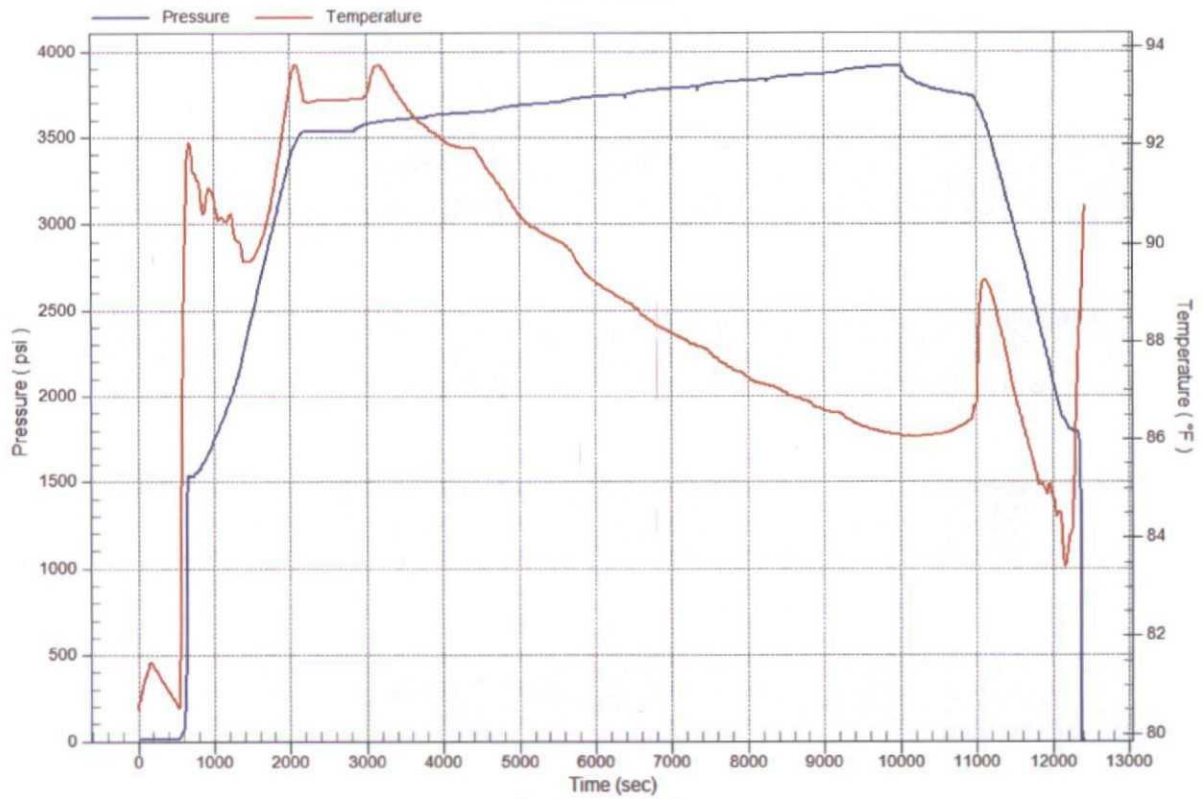
CHEVRON
VACUUM GRAYBURG SAN ANDRES UNIT # 250

Gradient Data Table

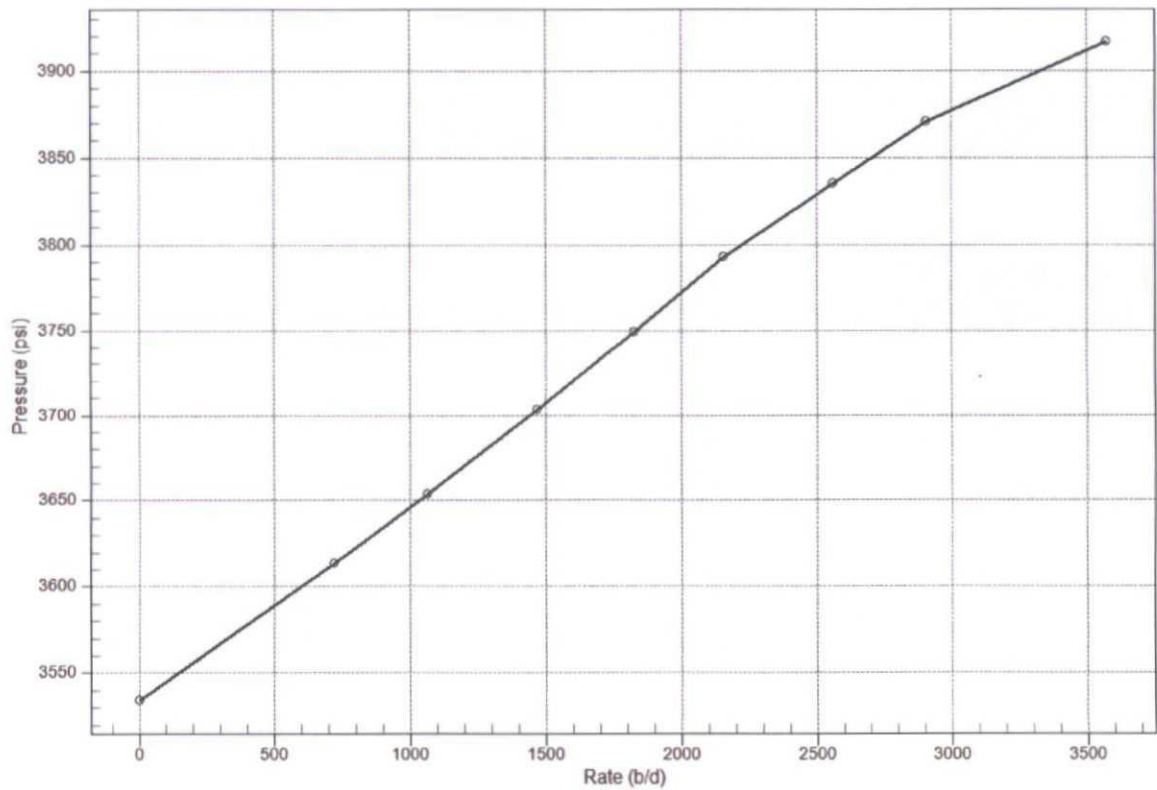
Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	3534.27	92.94	0.0000
720.00	3613.59	92.43	0.1102
1065.00	3653.53	91.43	0.1158
1468.00	3703.45	90.04	0.1239
1828.00	3748.95	88.84	0.1264
2160.00	3792.63	87.92	0.1316
2563.00	3835.12	87.12	0.1054
2908.00	3870.35	86.54	0.1021
3571.00	3916.51	86.09	0.0696

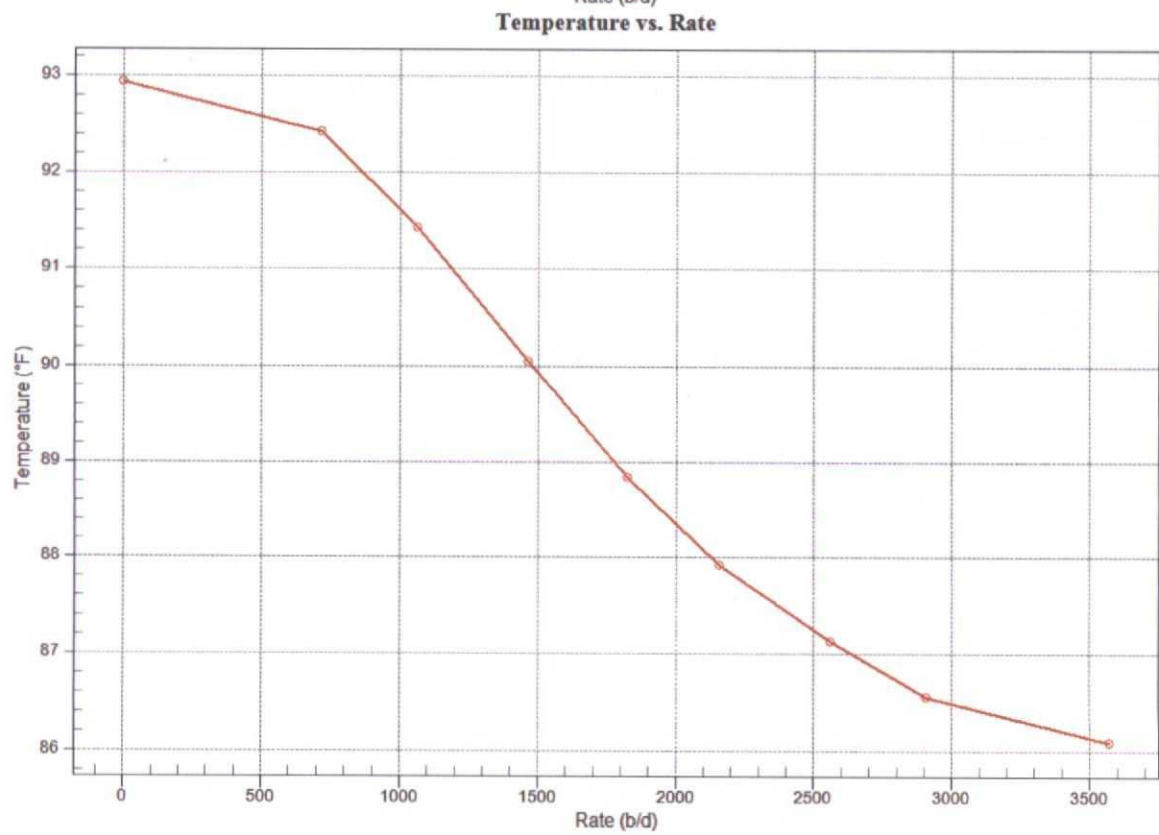
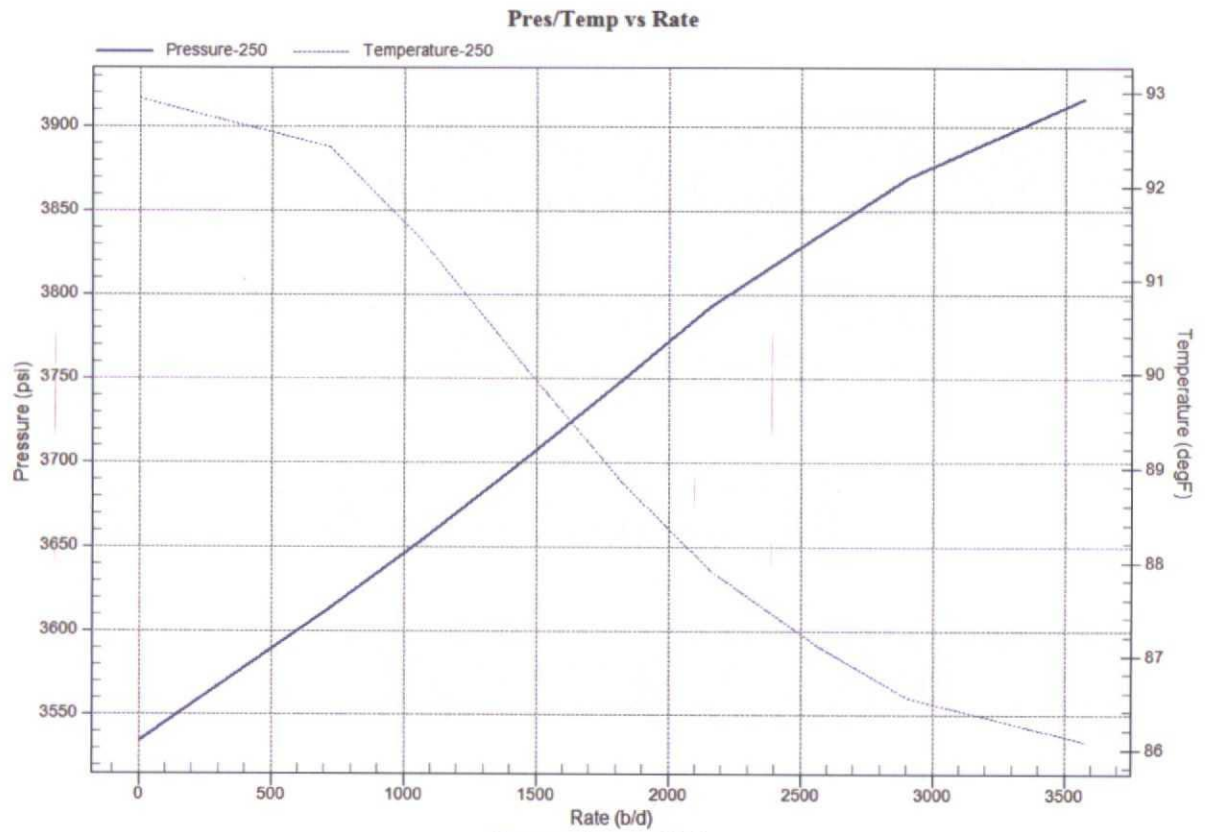
ARCHER WIRELINE

VGSAU # 250

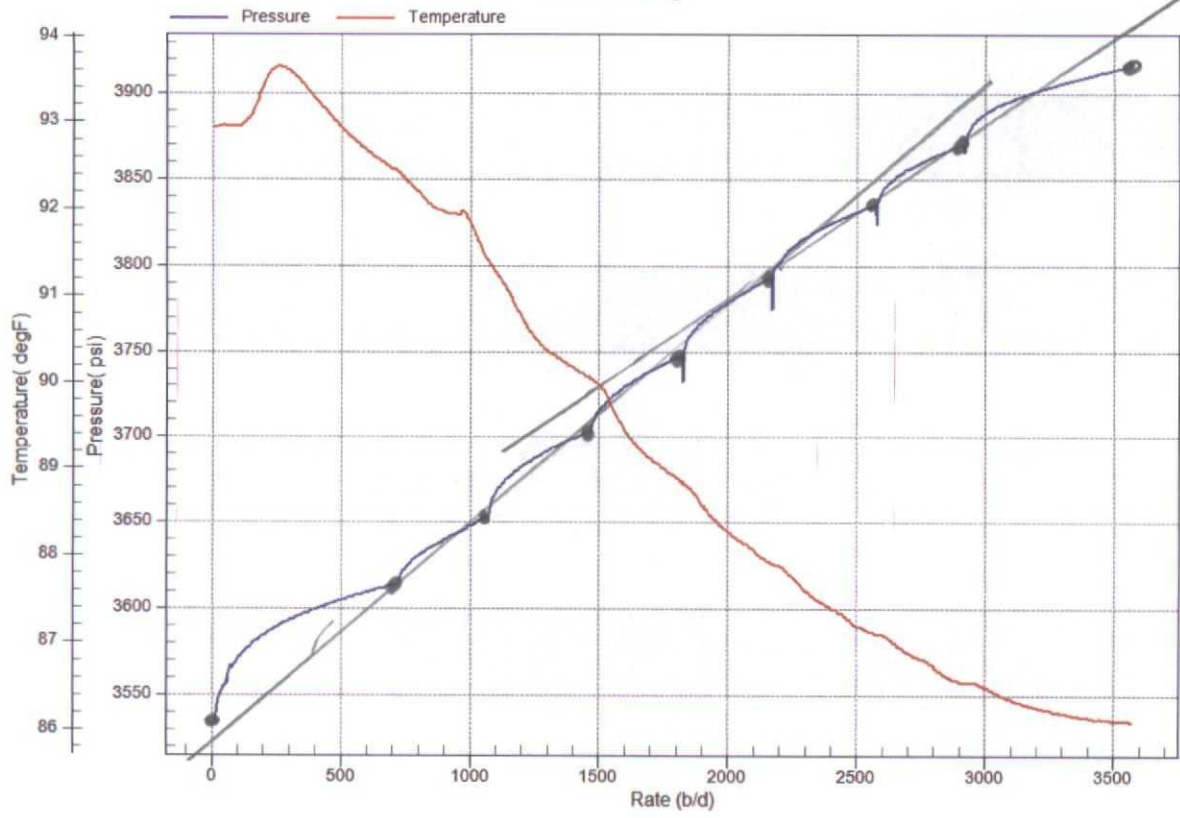


Pressure vs. Rate





Pressure Log



Archer

STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	8/13/2015	9:00 AM	3534	1520	
720	8/13/2015	9:15 AM	3613	1710	
1065	8/13/2015	9:30 AM	3653	1810	
1468	8/13/2015	9:45 AM	3703	1900	
1828	8/13/2015	10:00 AM	3748	2000	
2160	8/13/2015	10:15 AM	3792	2075	
2563	8/13/2015	10:45 AM	3835	2175	SOFT FRAC
2908	8/13/2015	11:00 AM	3870	2250	
3571	8/13/2015	11:05 AM	3916	2425	
5 MIN. FALLOFF	8/13/2015	11:10 AM	3794	1910	
10 MIN. FALLOFF	8/13/2015	11:15 AM	3761	1875	
15 MIN. FALLOFF	8/13/2015		3738	1850	
Company: CHEVRON USA			Recorded By: T. STANCZAK		
Well: VGSAU # 250			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"			SOFT FRAC @ 2563 B/D 3835 BOTTOM HOLE PRESSURE 2175 SURFACE PRESSURE		
Seat Nipple Depth: N/A					
Shut-In Time: 11:00 AM					
Open Hole:					
Perforations: 4351'-4869'					
Plug Back Depth N/A					

2158
2100

RATE VS. PRESSURE

