

8/24/2015 DATE IN	SUSPENSE	ENGINEER	8/24/2015 LOGGED IN	IDI TYPE	Perm 1523655854 APP NO.
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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 (Print or Type Name) DENISE PINKERTON (Signature) Regulatory Specialist (Title) 08/21/15 (Date)
 CNU 458
 hsa.keido@chevron.com (e-mail Address)

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 30-025-38640
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: A 1153 feet from NORTH line and 848 feet from the EAST line Section 36 Township 17S Range 34E NMPM County LEA		8. Well Number 458
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 ☐ 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.

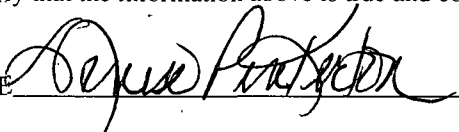
EXPECTED RATE, BWPD – 1700
EXPECTED PRESSURE, PSI - 2400

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

E-mail address: leakejd@chevron.com

PHONE: 432-687-7375

For State Use Only

APPROVED BY:

TITLE

DATE

Conditions of Approval (if any):

CHEVRON

CENTRAL VACUUM UNIT # 458

August 14, 2015

JOB INFORMATION SHEET

Company Information	
Company Name:	CHEVRON
Address:	1500 LOUISIANA STREET HOUSTON, TX 77002
Well Information	
Well Name:	CENTRAL VACUUM UNIT # 458
Field – Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP-RATE TEST
Gauge Depth:	4350'
Production Interval:	4369'-4781'
Production Through:	TUBING
Tubing Pressure:	2625 psi
Casing Pressure:	0 psi
Shut In Time	10:10 AM
Status:	SHUT-IN
Temperature @ Run Depth	93.38 degF
Surface Temperature:	90.92 degF
Comments	
SOFT FRAC @ 1814 B/D 4050 BOTTOM HOLE PRESSURE 2450 SURFACE PRESSURE	

ARCHER WIRELINE

CHEVRON

WELL INFORMATION SHEET

Well:	CENTRAL VACUUM UNIT # 458		
Well License:		Unique Well Identifier:	30-025-38640
Company:	CHEVRON		
Field	VACUUM		

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

Total Depth:	4350'	ID Borehole:	N/A
Packer Depth:	4320'	ID Production Casing:	5"
Depth of whipstock:	N/A	OD Production Tubing:	2.375"
Depth at which casing is landed:	5035'	ID Production Tubing:	2"
Depth at which tubing is landed:	4320'	ID Drill Pipe:	N/A

ARCHER WIRELINE

Gradient Data Report

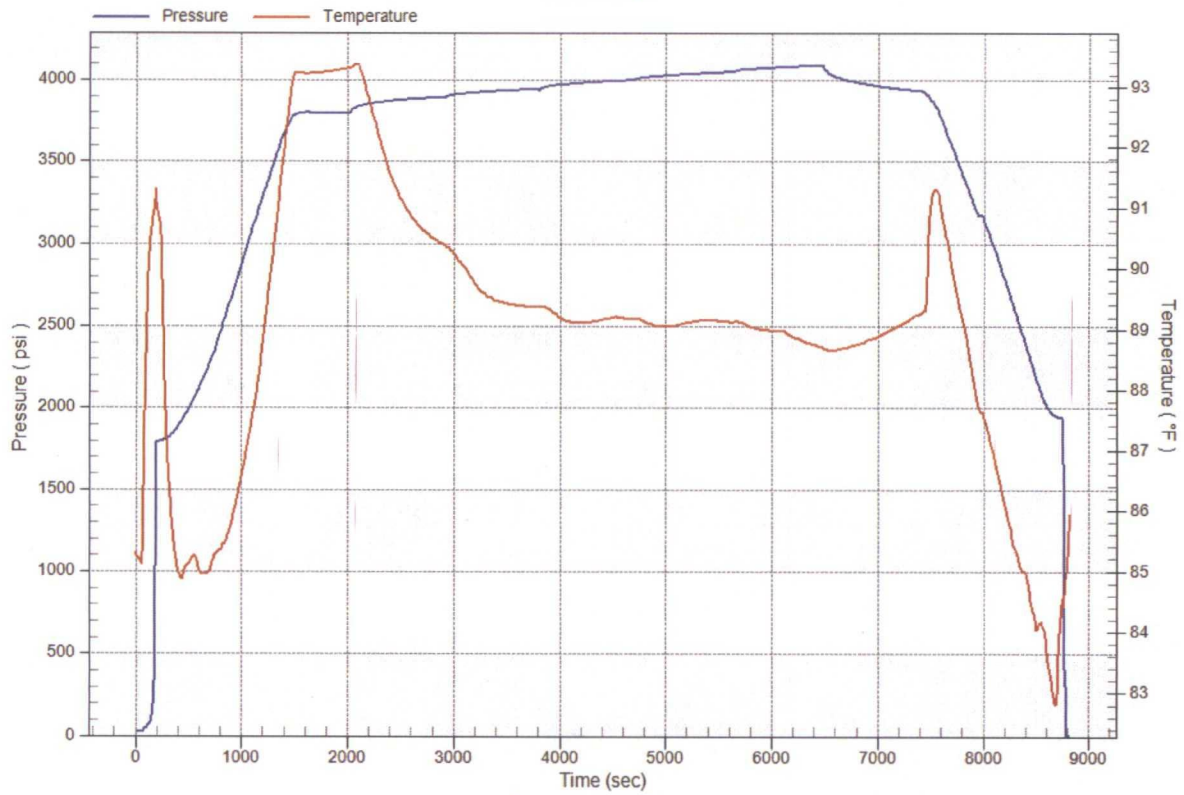
CHEVRON
CENTRAL VACUUM UNIT # 458

Gradient Data Table

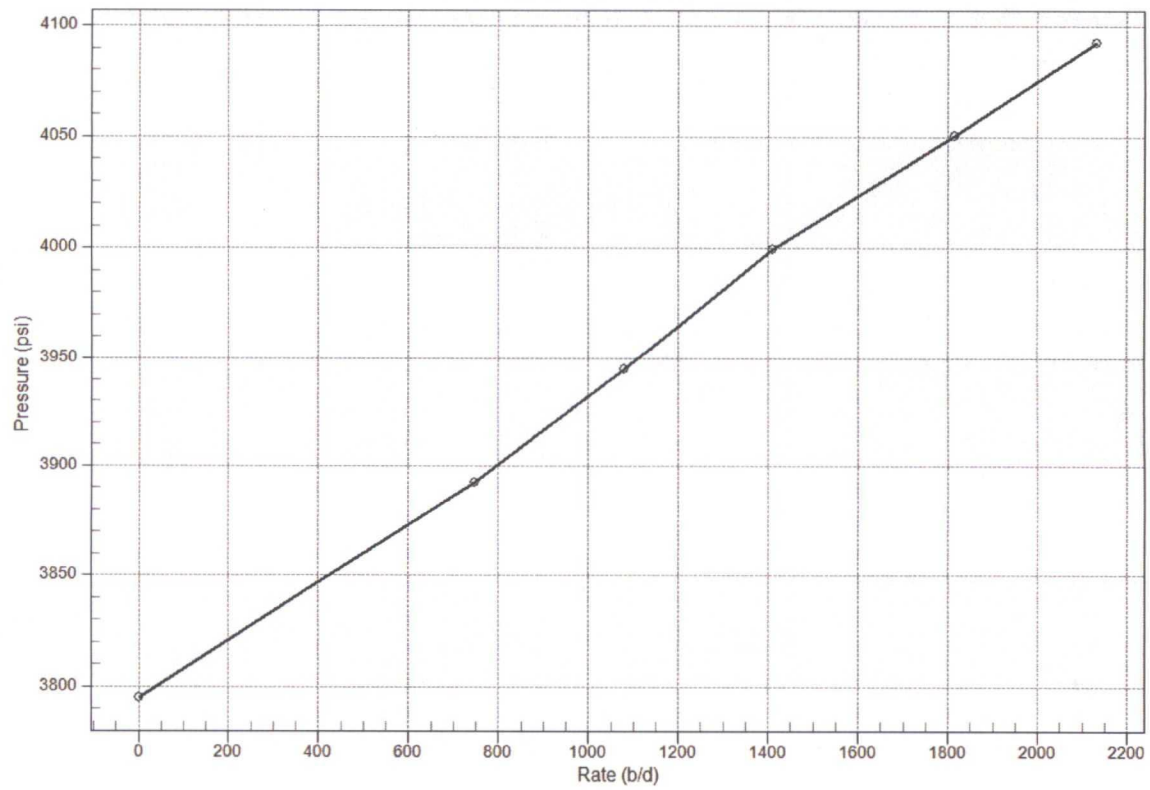
Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	3795.02	93.30	0.0000
748.00	3892.48	90.40	0.1303
1080.00	3944.62	89.37	0.1570
1411.00	3999.56	89.17	0.1660
1814.00	4050.33	89.13	0.1260
2131.00	4092.57	88.70	0.1332

ARCHER WIRELINE

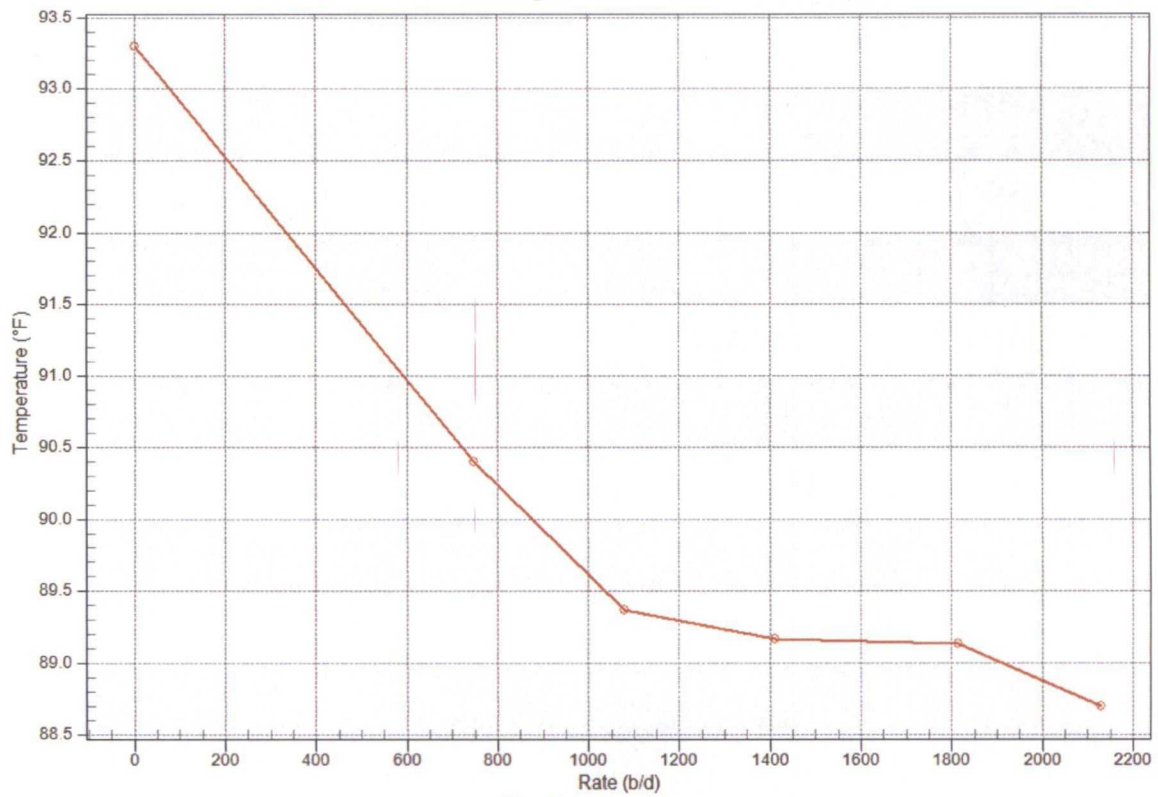
CVU # 458



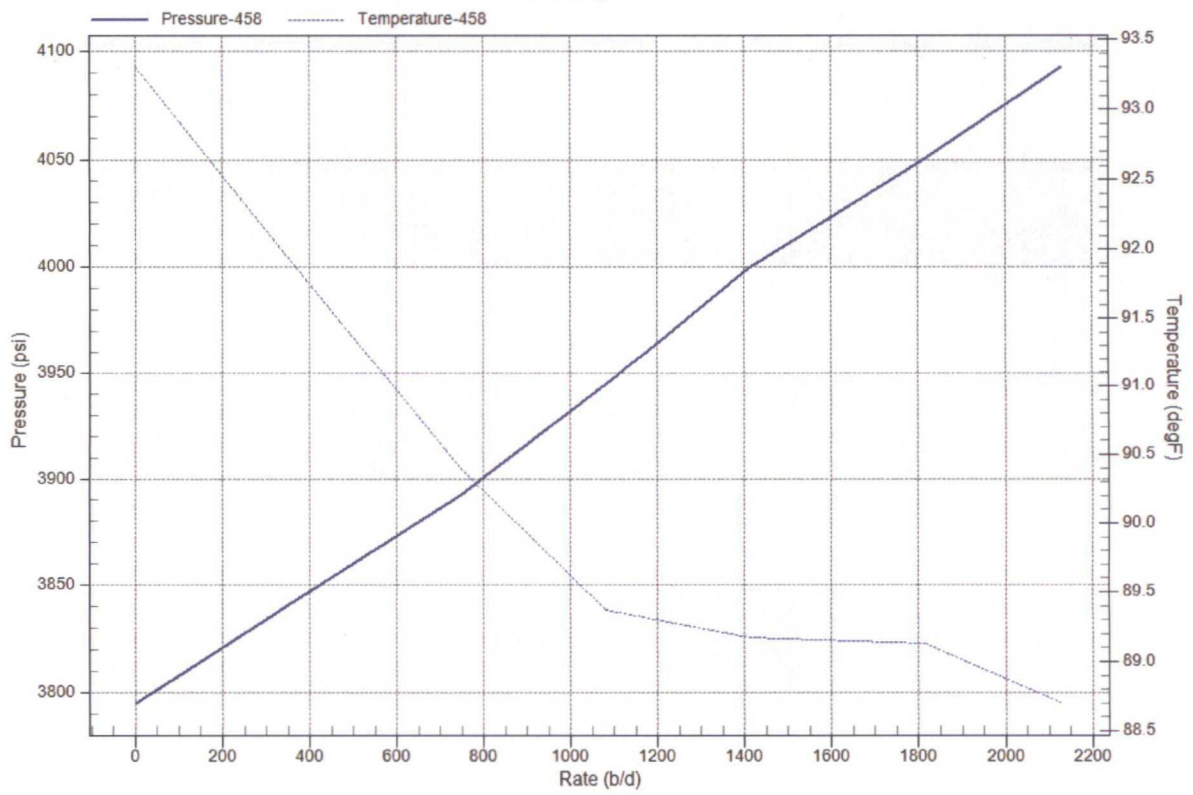
Pressure vs. Rate



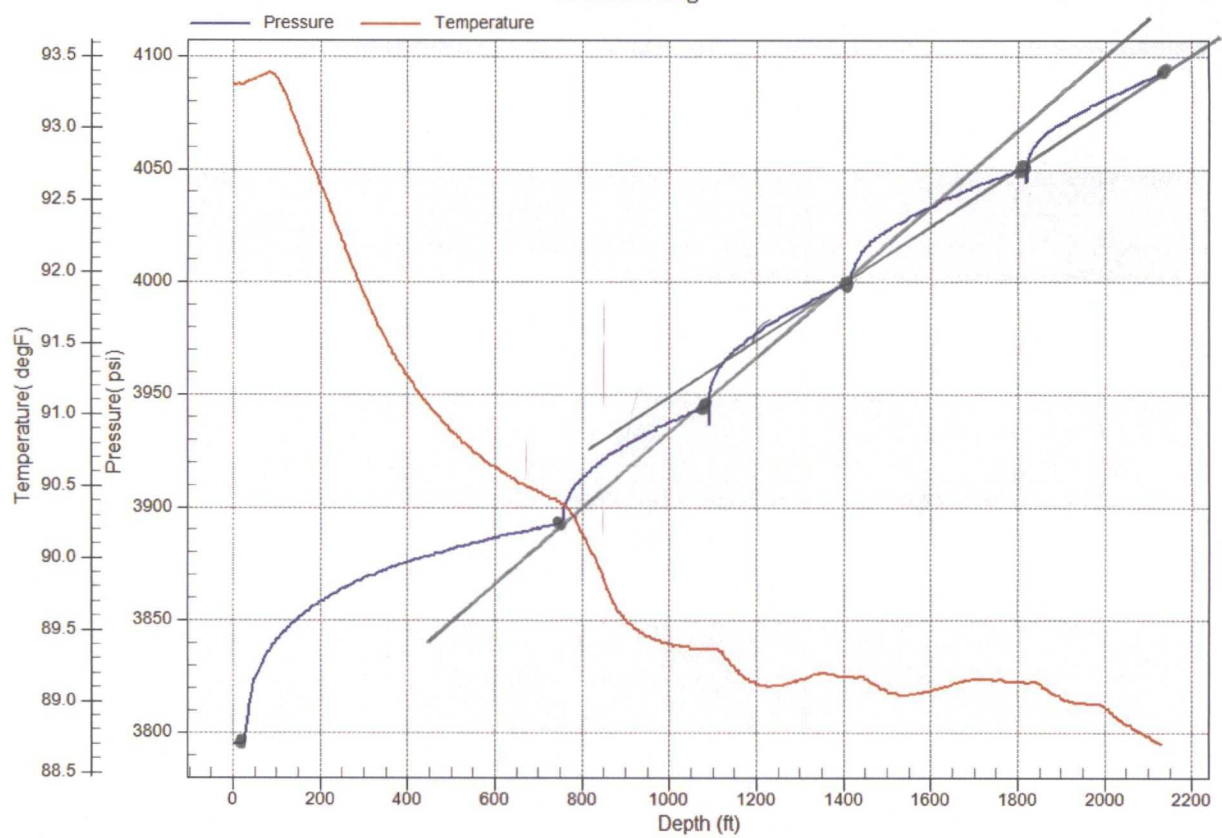
Temperature vs. Rate



Pres/Temp vs Rate



Pressure Log



Archer

STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	8/14/2015	8:55 AM	3795	1775	
748	8/14/2015	9:10 AM	3892	2025	
1080	8/14/2015	9:25 AM	3944	2150	
1411	8/14/2015	9:40 AM	3999	2275	
1814	8/14/2015	9:55 AM	4050	2450	SOFT FRAC
2131	8/14/2015	10:10 AM	4092	2625	
5 MIN. FALLOFF	8/14/2015	10:15 AM	3986	2075	
10 MIN. FALLOFF	8/14/2015	10:20 AM	3953	2040	
15 MIN. FALLOFF	8/14/2015	10:25 AM	3932	2010	
Company:	CHEVRON USA			Recorded By:	T. STANCZAK
Well:	CVU # 458			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 @ 1814 B/M 4050 BOTTOM HOLE PRESSURE 2450 SURFACE PRESSURE	
Seat Nipple Depth:	N/A				
Shut-In Time:	10:10 AM				
Open Hole:					
Perforations:	4369'-4781'				
Plug Back Depth	N/A				

2200

