

8/24/2015	SUSPENSE	ENGINEER	8/24/2015	FOZ	497	DMHMS 23338931
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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.

DeWise Pinkerton DeWise Pinkerton Regulatory Specialist 08/17/2015
 Print or Type Name Signature Title Date
 Leakejd@chevron.com
 e-mail Address

CVU #160

1650

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. 30-025-27970
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 2602 feet from NORTH line and 35 feet from the WEST line Section 36 Township 17S Range 34E NMPM County LEA		8. Well Number 160
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.

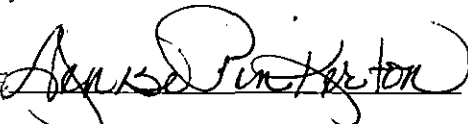
EXPECTED RATE, BWPD - 1900
EXPECTED PRESSURE, PSI - 1850

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

CENTRAL VACUUM UNIT # 160

June 17, 2015

JOB INFORMATION SHEET

Company Information	
Company Name:	CHEVRON
Address:	1500 LOUISIANA STREET HOUSTON, TX 77002
Well Information	
Well Name:	CENTRAL VACUUM UNIT # 160
Field - Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP RATE TEST
Gauge Depth:	4227'
Production Interval:	4356'-4717'
Production Through:	TUBING
Tubing Pressure:	2450 psi
Casing Pressure:	0 psi
Shut In Time	3:00 PM
Status:	SHUT-IN
Temperature @ Run Depth	90.42 degF
Surface Temperature:	80.86 degF
Comments	
FRAC @ 2160 B/D 3268 BOTTOM HOLE PRESSURE 1875 SURFACE PRESSURE FRAC @ 2880 B/D 3430 BOTTOM HOLE PRESSURE 2400 SURFACE PRESSURE	

ARCHER WIRELINE

CHEVRON

WELL INFORMATION SHEET

Well:	CENTRAL VACUUM UNIT # 160	Unique Well Identifier:	30-025-27970
Well License:			
Company:	CHEVRON		
Field:	VACUUM		

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

Total Depth:	4227'	ID Borehole:	N/A
Packer Depth:	4195'	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:	4195'	ID Drill Pipe:	N/A

ARCHER WIRELINE

Gradient Data Report

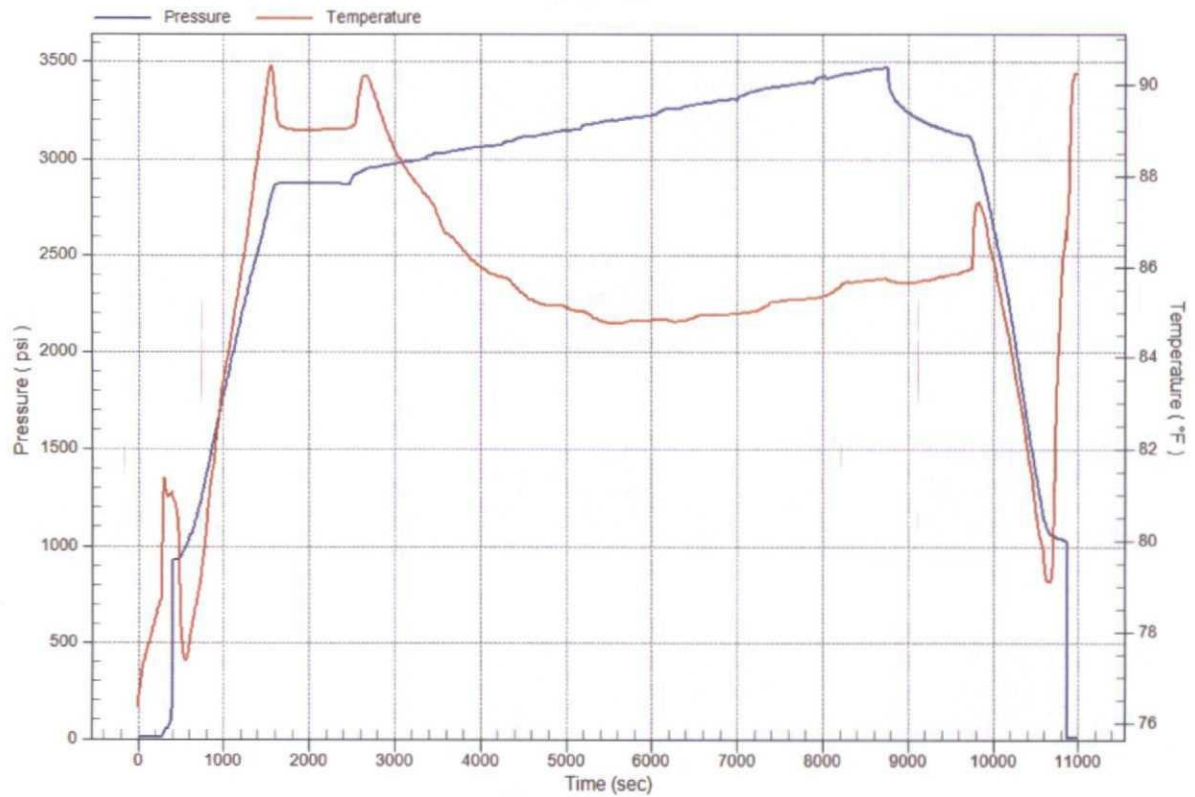
CHEVRON
CENTRAL VACUUM UNIT # 160

Gradient Data Table

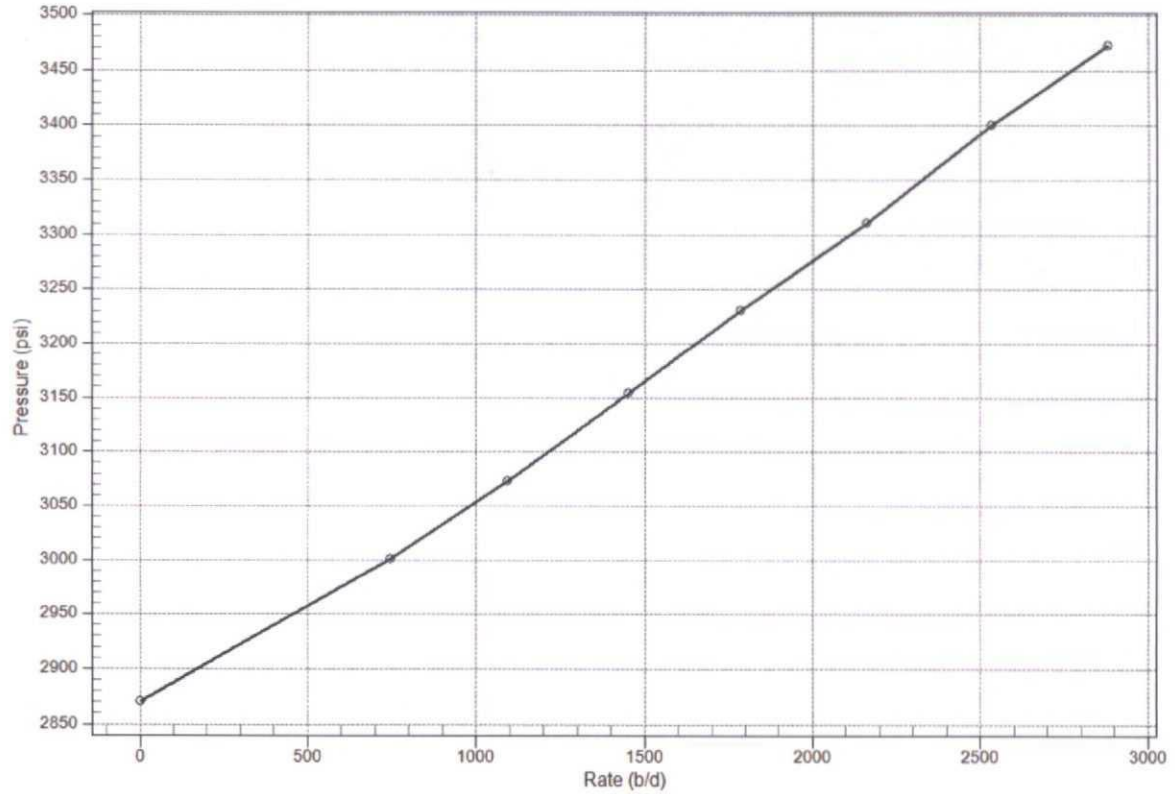
Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	2870.27	89.04	0.0000
748.00	3000.31	87.58	0.1739
1094.00	3073.30	85.76	0.2110
1454.00	3154.40	85.02	0.2253
1785.00	3230.23	84.83	0.2291
2160.00	3310.11	84.95	0.2130
2534.00	3400.55	85.31	0.2418
2880.00	3472.71	85.74	0.2086

ARCHER WIRELINE

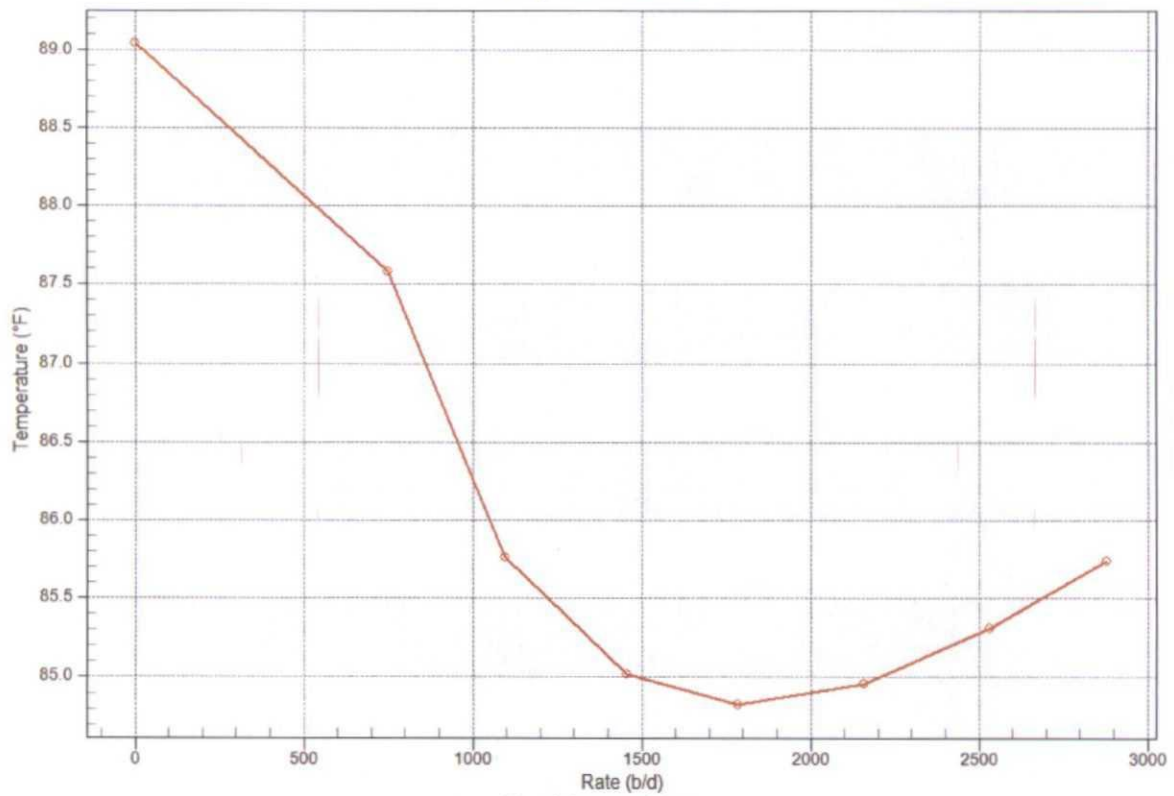
CVU # 160



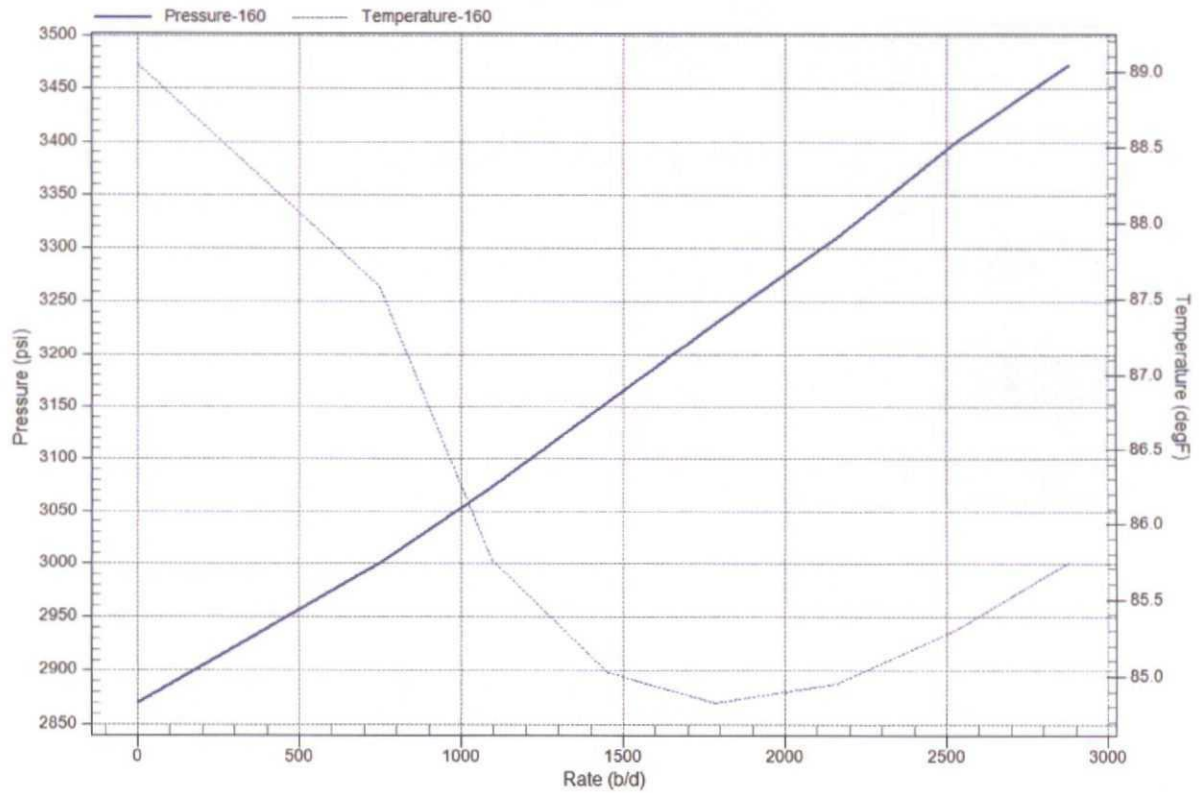
Pressure vs. Rate



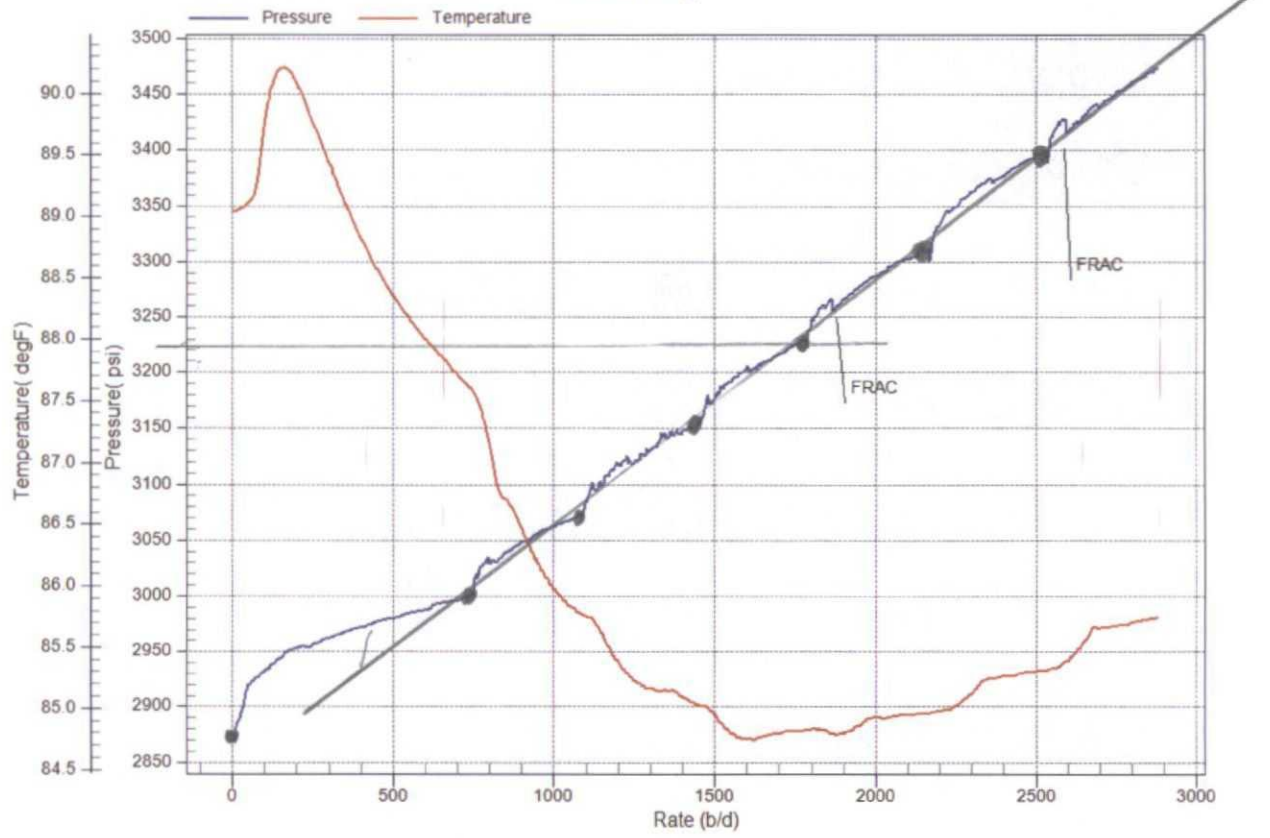
Temperature vs. Rate



Pres/Temp vs Rate



Pressure Log



Archer

STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	6/17/2015	1:15 PM	2870	925	
748	6/17/2015	1:30 PM	3000	1110	
1094	6/17/2015	1:45 PM	3073	1240	
1454	6/17/2015	2:00 PM	3154	1425	
1785	6/17/2015	2:15 PM	3230	1650	
2160	6/17/2015	2:30 PM	3310	1900	FRAC
2534	6/17/2015	2:45 PM	3400	2175	
2880	6/17/2015	3:00 PM	3472	2450	FRAC
5 MIN FALL OFF	6/17/2015	3:05 PM	3219	1225	
10 MIN FALL OFF	6/17/2015	3:10 PM	3160	1175	
15 MIN FALL OFF	6/17/2015	3:15 PM	3121	1150	
Company:	CHEVRON			Recorded By:	T. STANCZAK
Well:	CENTRAL VACUUM UNIT # 160			Witnessed By:	
Field:	VACUUM			Truck Number:	104
County:	LEA			District:	LEVELLAND
State:	NEW MEXICO			Tool Number:	
Injecton:	WATER			Test Type:	STEP RATE TESTS
Shut In Time:	3:00 PM			FRAC @ 2160 B/D	
Total Shut In Time:	15 MIN			3268 BOTTOM HOLE PRESSURE	
Tubing Size:	2.375"			1875 SURFACE PRESSURE	
Open Hole:	N/A			FRAC @ 2880 B/D	
Perforations:	4356'-4717'			3430 BOTTOM HOLE PRESSURE	
Plug Back Depth	4734'			2400 SURFACE PRESSURE	

RATE VS. PRESSURE

