

7/08/2015 DATE IN	SUSPENSE	ENGINEER	7/08/2015 LOGGED IN	IPI TYPE	PMAN 151843801 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 Denise Pinkerton Regulatory Specialist 6/30/2015  
 Print or Type Name Signature Title Date  
 Leateid@chevron.com  
 e-mail Address

- IPI 481  
 - Chevron USA, Inc  
 4323  
 well  
 - Central Vacuum Unit  
 #101  
 30-025-25712  
 50 other wells  
 2015 JUN 10 3:54 PM  
 RECEIVED OGD  
 Pool  
 - Vacuum Graveling  
 SAN Andres  
 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. 30-025-30104
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 CENTRAL VACUUM UNIT
8. Well Number 242
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 <input type="checkbox"/> Gas Well <input type="checkbox"/> Other INJECTOR <input type="checkbox"/>
2. Name of Operator CHEVRON U.S.A. INC.
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705
4. Well Location Unit Letter: A 90 feet from NORTH line and 706 feet from the EAST line Section 36 Township 17S 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"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
DOWNHOLE COMMINGLE <input type="checkbox"/>	P AND A <input type="checkbox"/>
CLOSED-LOOP SYSTEM <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>
OTHER: <input type="checkbox"/>	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.

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 Denise Pinkerton TITLE REGULATORY SPECIALIST DATE 06/30/2015  
Type or print name DENISE PINKERTON E-mail address: [leakejd@chevron.com](mailto:leakejd@chevron.com) PHONE: 432-687-7375  
For State Use Only  
APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
Conditions of Approval (if any):

# **CHEVRON**

## **CENTRAL VACUUM UNIT # 242**

June 19, 2015

## JOB INFORMATION SHEET

Company Information	
Company Name:	CHEVRON
Address:	1500 LOUISIANA STREET HOUSTON, TX 77002
Well Information	
Well Name:	CENTRAL VACUUM UNIT # 242
Field – Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP RATE TEST
Gauge Depth:	4260'
Production Interval:	OPEN HOLE 4278'-4720'
Production Through:	TUBING
Tubing Pressure:	2475 psi
Casing Pressure:	0 psi
Shut In Time	10:30 AM
Status:	SHUT-IN
Temperature @ Run Depth	93.01 degF
Surface Temperature:	82.20 degF
Comments	
FRAC STARTED @ 2548 B/D 4172 BOTTOM HOLE PRESSURE 2400 SURFACE PRESSURE	

ARCHER



CHEVRON

## WELL INFORMATION SHEET

Well:	CENTRAL VACUUM UNIT # 242		
Well License:		Unique Well Identifier:	30-025-30104
Company:	CHEVRON		
Field	VACUUM		

Location:	County:	LEA	A-36 17S 34E
Formation:	State:	NM	
Purpose:	Country:	USA	90N 706E

Total Depth:	4260'	ID Borehole:	6.125"
Packer Depth:	4218'	ID Production Casing:	6.4"
Depth of whipstock:	N/A	OD Production Tubing:	2.875"
Depth at which casing is landed:	4278'	ID Production Tubing:	2.3"
Depth at which tubing is landed:	4218'	ID Drill Pipe:	N/A

ARCHER

## Gradient Data Report

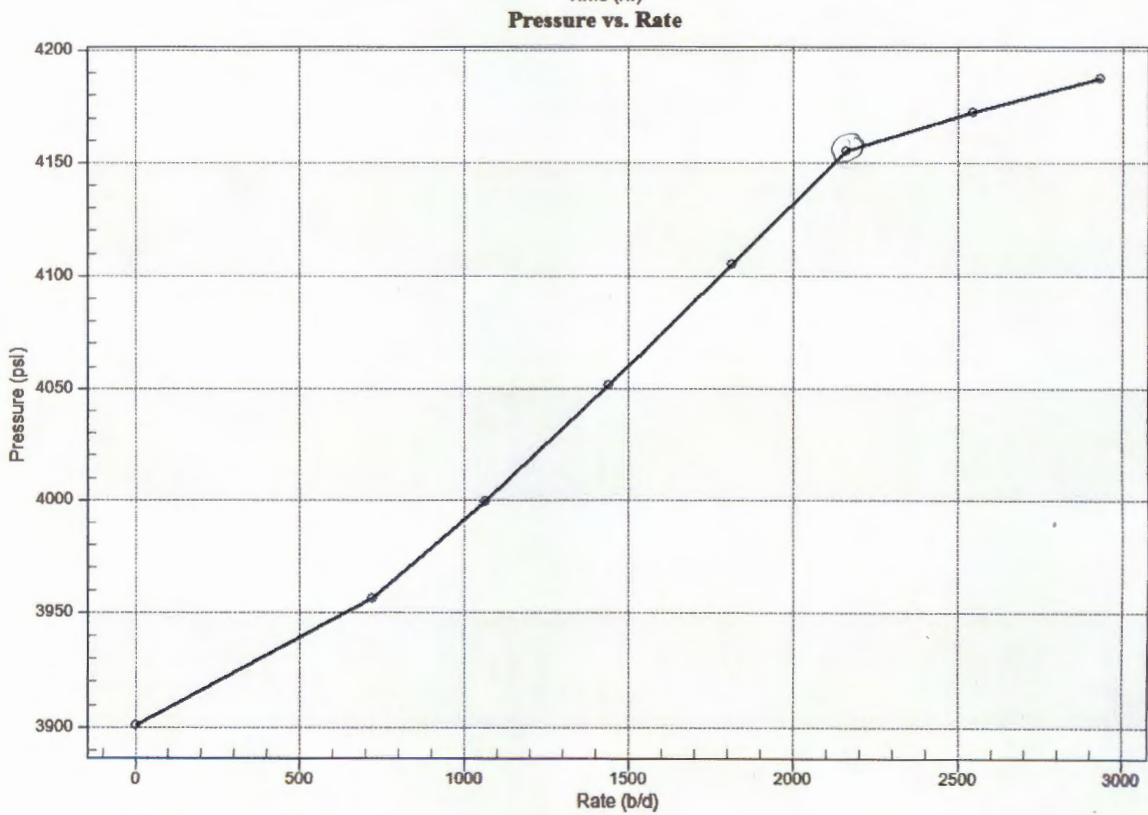
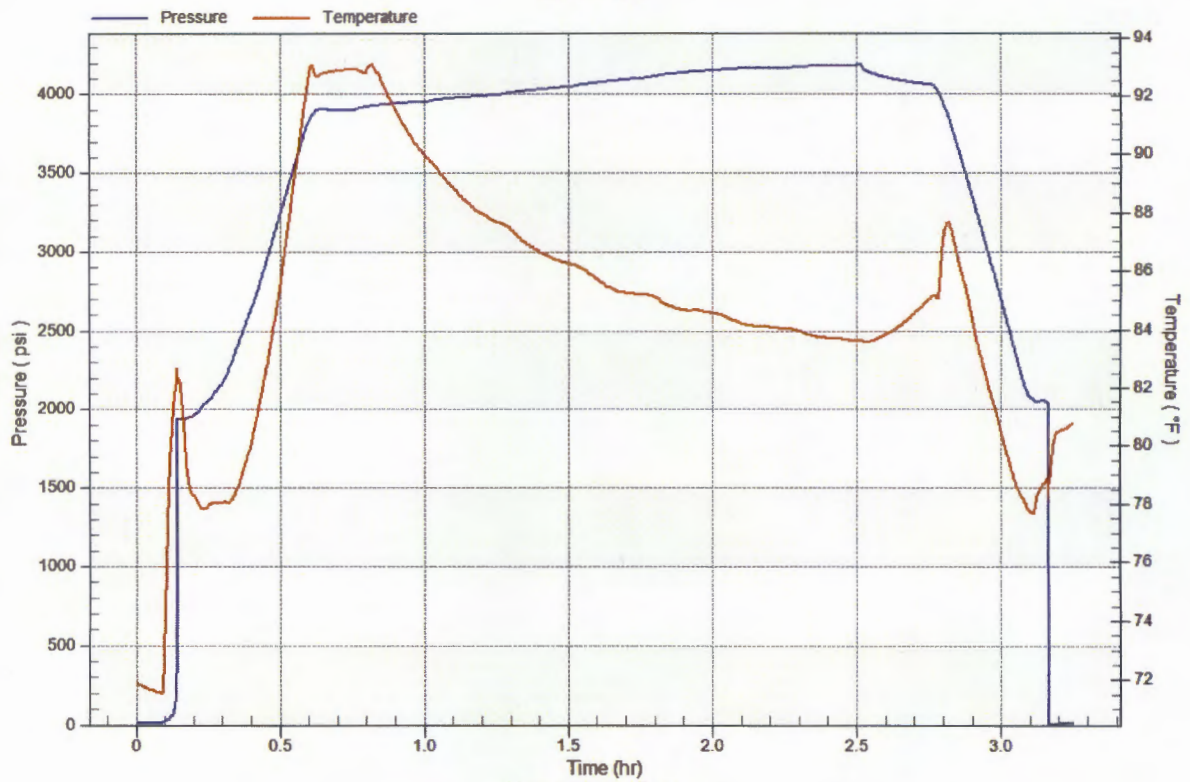
CHEVRON  
CENTRAL VACUUM UNIT # 242

Gradient Data Table

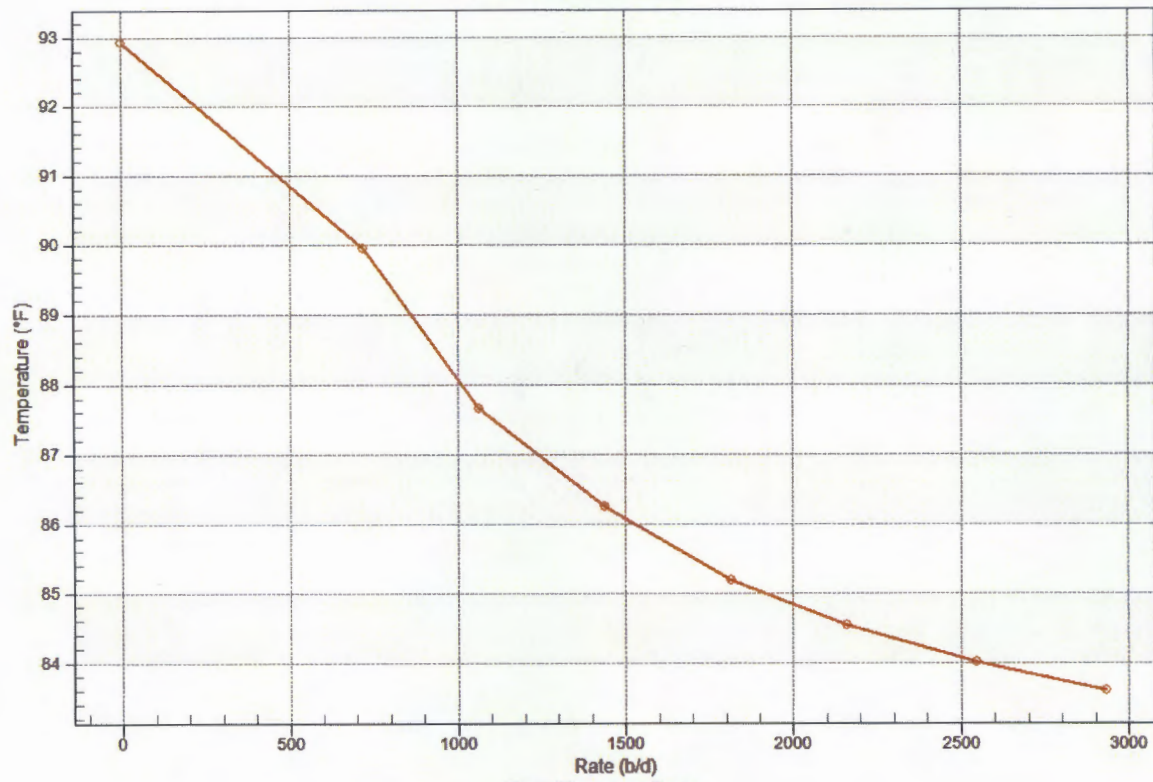
Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
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720.00	3956.27	89.95	0.0769
1065.00	3999.19	87.66	0.1244
1440.00	4051.41	86.24	0.1393
1814.00	4105.19	85.19	0.1438
2160.00	4155.20	84.54	0.1446
2548.00	4172.13	84.01	0.0436
2932.00	4187.46	83.60	0.0399

ARCHER

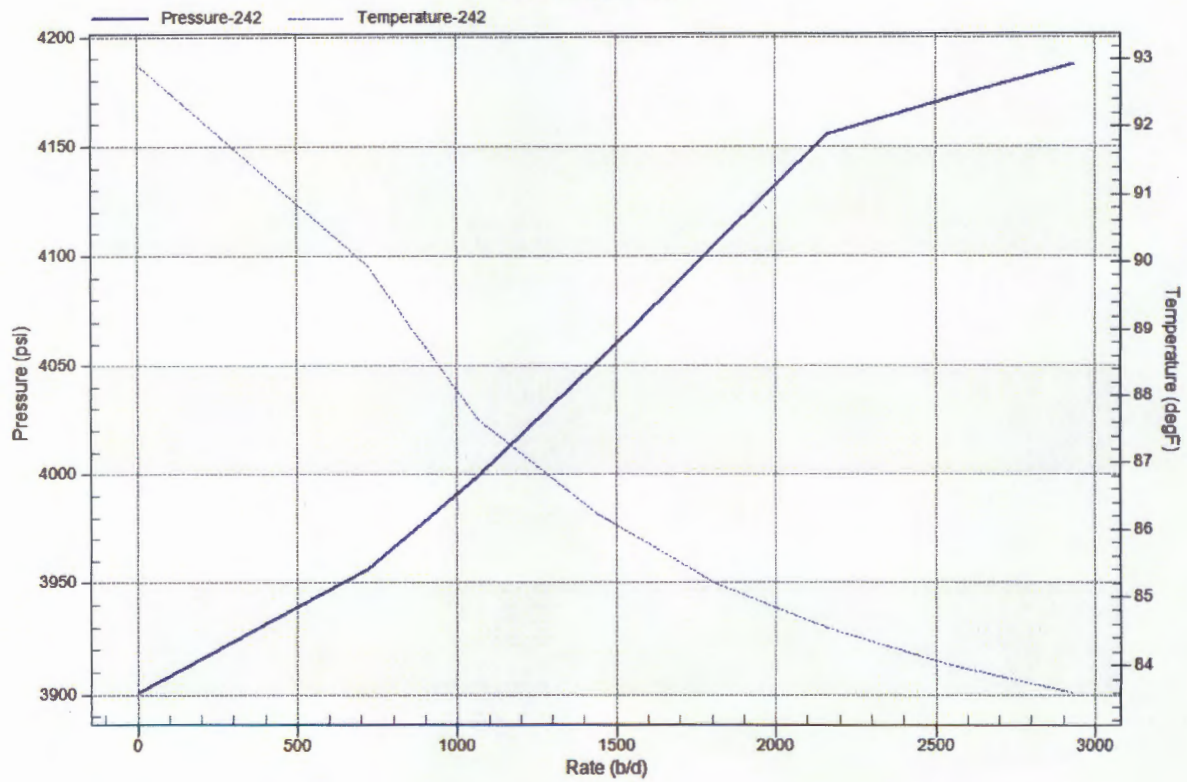
# CVU # 242



Temperature vs. Rate

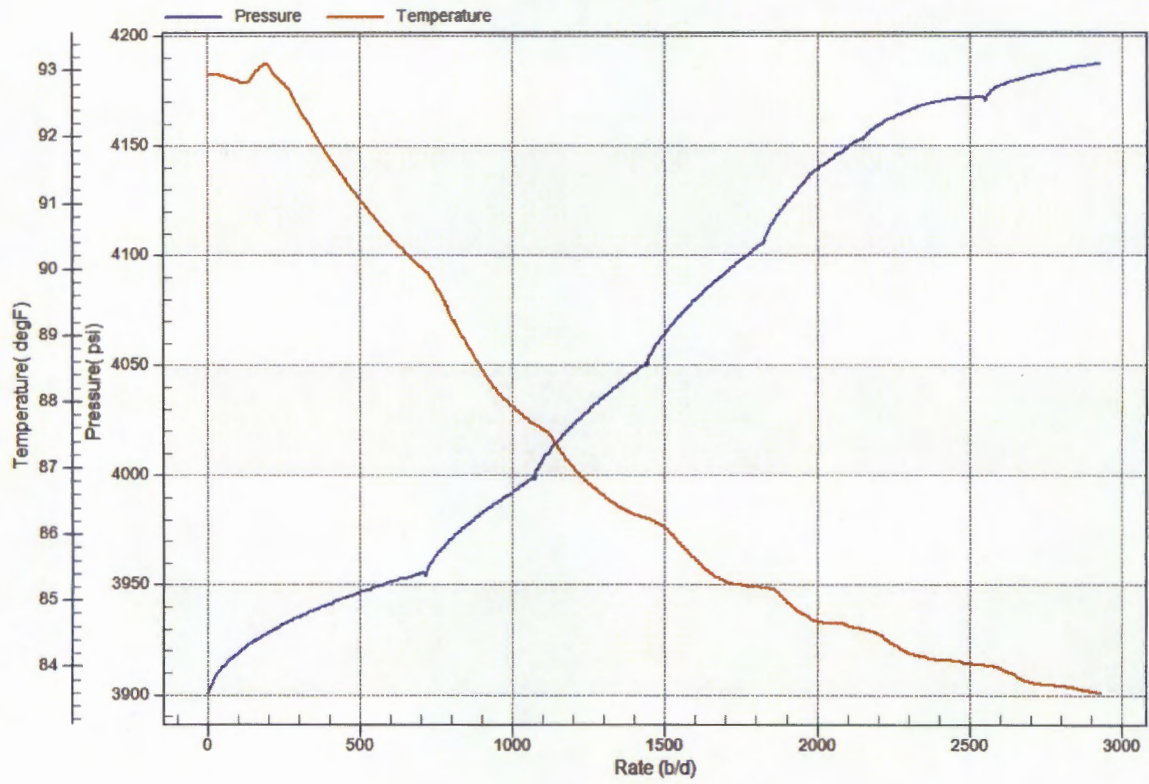


Pres/Temp vs Rate





# Pressure Log



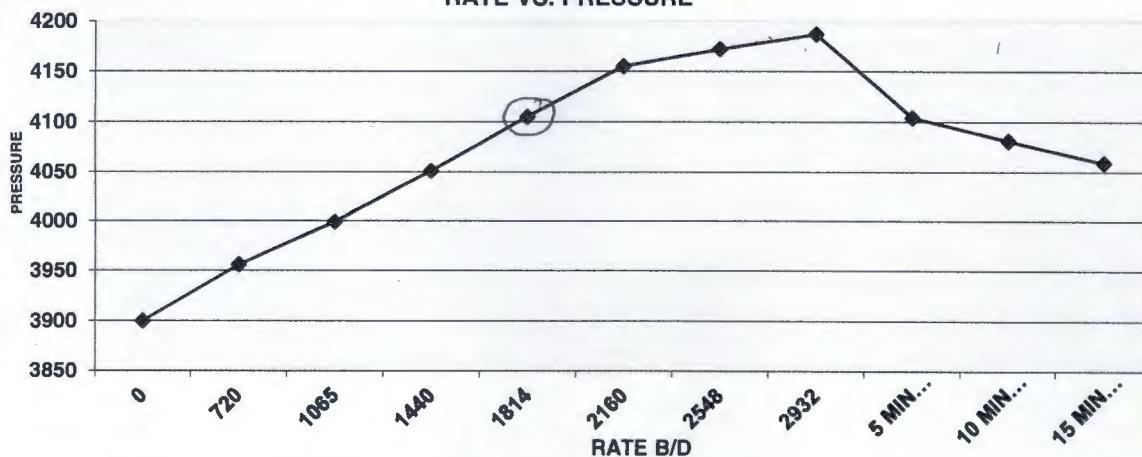


# Archer

## STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	6/19/2015	8:45 AM	3900	1910	
345 720	6/19/2015	9:00 AM	3956	2025	
379 1065	6/19/2015	9:15 AM	3999	2075	
374 1440	6/18/2015	9:30 AM	4051	2160	
340 1814	6/19/2015	9:45 AM	4105	2250	
308 2160	6/19/2015	10:00 AM	4155	2325	
384 2548	6/19/2015	10:15 AM	4172	2400	FRAC .56' FOR SURFACE
2932	6/19/2015	10:30 AM	4187	2475	
5 MIN FALL OFF	6/19/2015	10:35 AM	4104	2150	
10 MIN FALL OFF	6/19/2015	10:40 AM	4081	2125	
15 MIN FALL OFF	6/19/2015	10:45 AM	4059	2100	
Company: CHEVRON			Recorded By: T. STANCZAK		
Well: CENTRAL VACUUM UNIT # 242			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: 10:30 AM			FRAC @ 2548 B/D		
Total Shut In Time: 15 MIN			4172 BOTTOM HOLE PRESSURE		
Tubing Size: 2.875"			2400 SURFACE PRESSURE		
Open Hole: 4278'-4720'					
Perforations: N/A					
Plug Back Depth: 4720'					

RATE VS. PRESSURE



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. 30-025-25818
1. Type of Well: Oil Well <input type="checkbox"/> 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 119 feet from NORTH line and 1224 feet from the EAST line Section 31 Township 17S Range 35E NMPM County LEA		8. Well Number 046
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

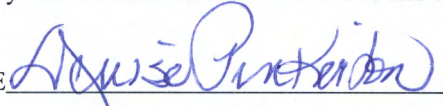
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE 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.

Spud Date:  Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

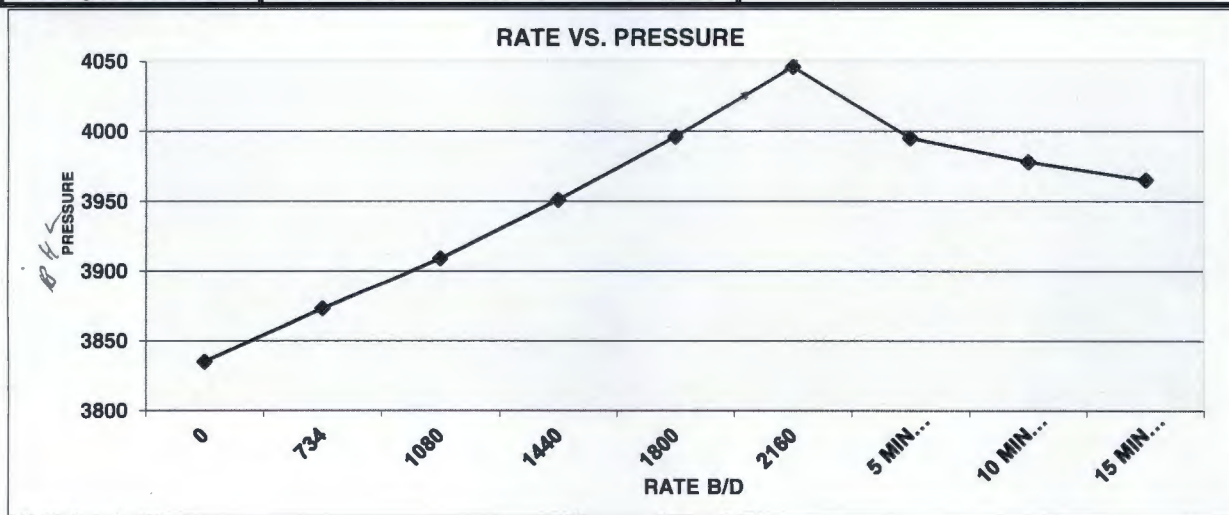
SIGNATURE  TITLE REGULATORY SPECIALIST DATE 06/30/2015  
Type or print name DENISE PINKERTON E-mail address: [leakejd@chevron.com](mailto:leakejd@chevron.com) PHONE: 432-687-7375  
For State Use Only

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

# Archer

## STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	6/11/2015	8:45 AM	3835	1840	
346734	6/11/2015	9:00 AM	3873	1975	
3601080	6/11/2015	9:15 AM	3909	2075	
3601440	6/11/2015	9:30 AM	3951	2200	
3601800	6/11/2015	9:45 AM	3996	2375	
2160	6/11/2015	10:00 AM	4046	2550	58/50
5 MIN FALL OFF	6/11/2015	10:05 AM	3995	2050	
10 MIN FALL OFF	6/11/2015	10:10 AM	3978	2025	55
15 MIN FALLOFF	6/11/2015	10:15 AM	3965	2000	
Company:	CHEVRON			Recorded By:	T. STANCZAK
Well:	CENTRAL VACUUM UNIT # 46			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:	10:00 AM			NO FRAC WAS ACHIEVED	
Total Shut In Time:	15 MIN				
Tubing Size:	2.375"				
Open Hole:	N/A				
Perforations:	4386'-4736'				
Plug Back Depth	4766'				







# **CHEVRON**

## **CENTRAL VACUUM UNIT # 46**

June 11, 2015

## JOB INFORMATION SHEET

Company Information	
Company Name:	CHEVRON
Address:	1500 LOUISIANA STREET HOUSTON, TX 77002
Well Information	
Well Name:	CENTRAL VACUUM UNIT # 46
Field – Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP RATE TEST
Gauge Depth:	4300'
Production Interval:	4386'-4736'
Production Through:	TUBING
Tubing Pressure:	2550 psi
Casing Pressure:	0 psi
Shut In Time	10:00 AM
Status:	SHUT-IN
Temperature @ Run Depth	92.07 degF
Surface Temperature:	82.43 degF
Comments	
NO FRAC WAS ACHIEVED	

ARCHER WIRELINE

CHEVRON

## WELL INFORMATION SHEET

Well:	CENTRAL VACUUM UNIT # 46		
Well License:		Unique Well Identifier:	30-025-25818
Company:	CHEVRON		
Field	VACUUM		

Location:	County:	LEA	A-31 175 35E 119 N 1224 E
Formation:	State:	NM	
Purpose:	Country:	USA	

Inj  
V/2SA

Total Depth:	4300'	ID Borehole:	N/A
Packer Depth:	4242'	ID Production Casing:	4"
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:	4242'	ID Drill Pipe:	N/A

ARCHER WIRELINE

## Gradient Data Report

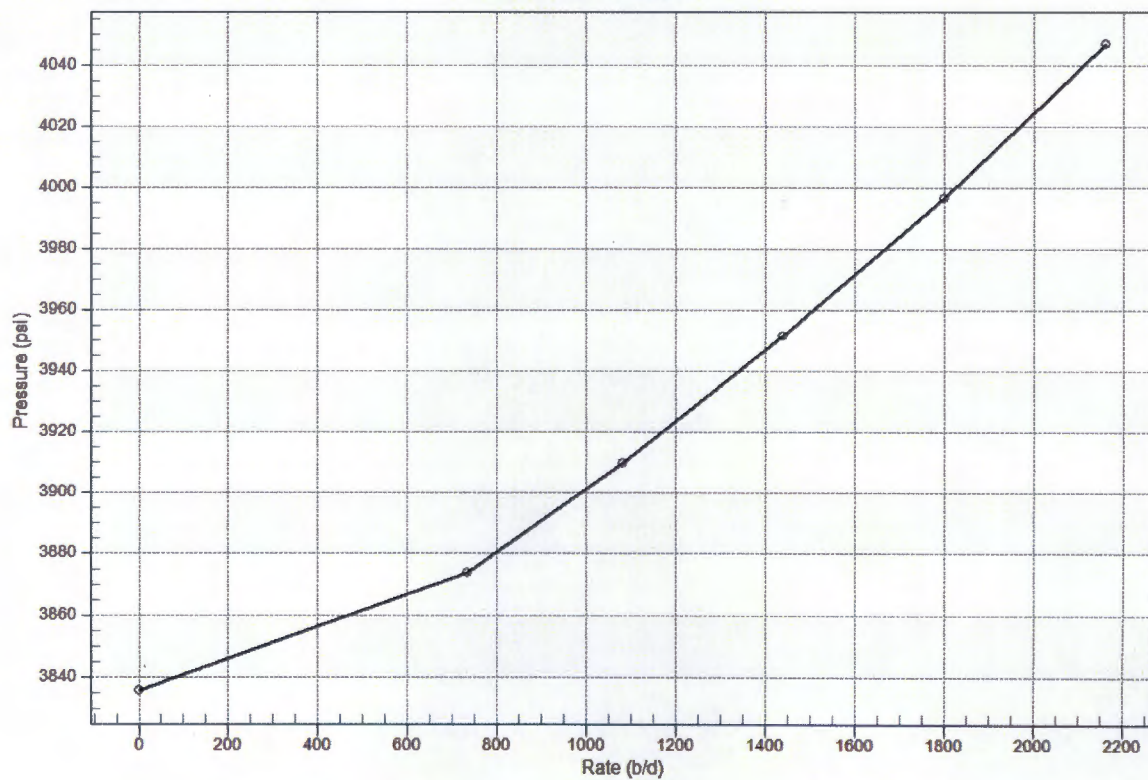
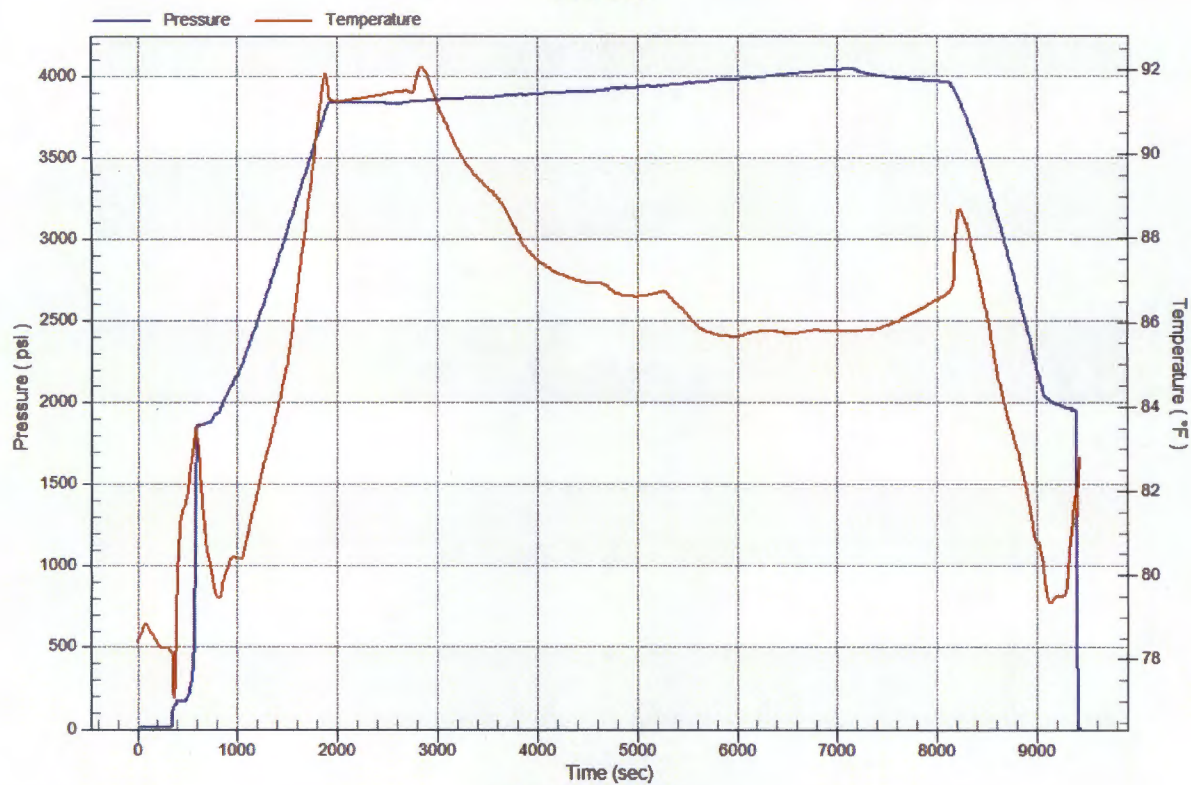
CHEVRON  
CENTRAL VACUUM UNIT # 46

Gradient Data Table

Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	3835.66	91.50	0.0000
734.00	3873.57	89.09	0.0516
1080.00	3909.75	86.95	0.1046
1440.00	3951.73	86.46	0.1166
1800.00	3996.52	85.79	0.1244
2160.00	4046.77	85.80	0.1396

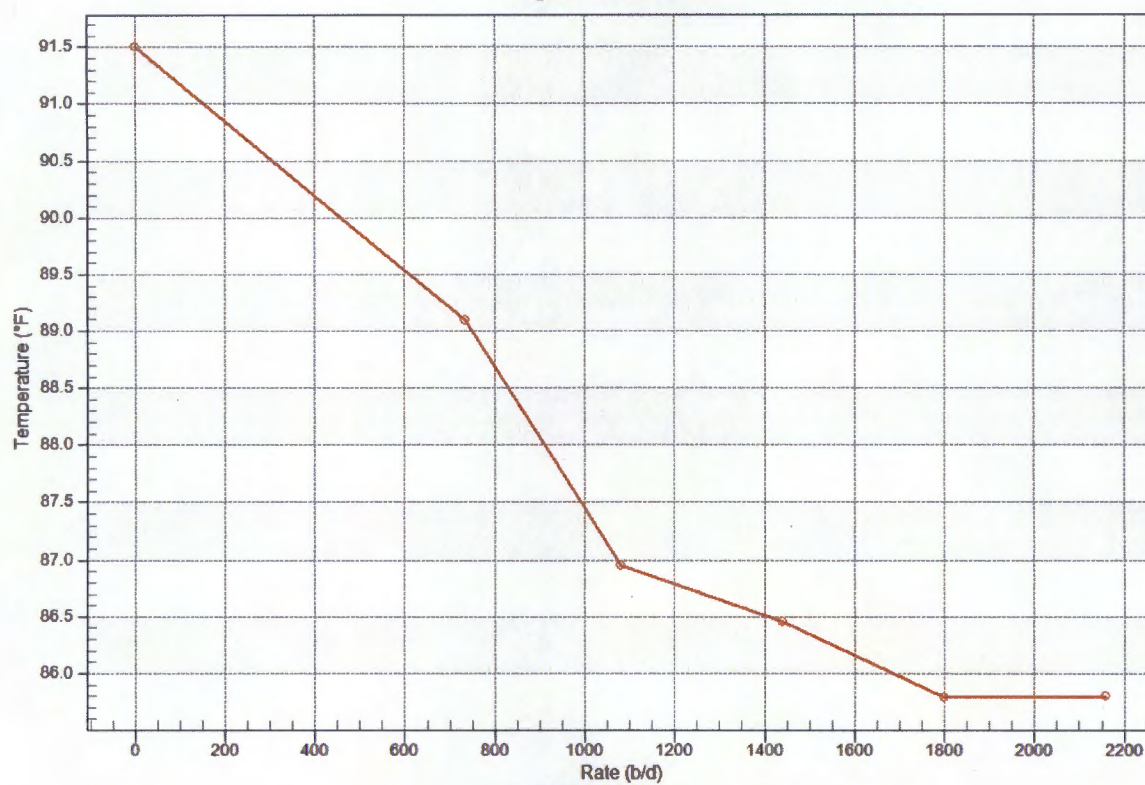
ARCHER WIRELINE

# CVU # 46

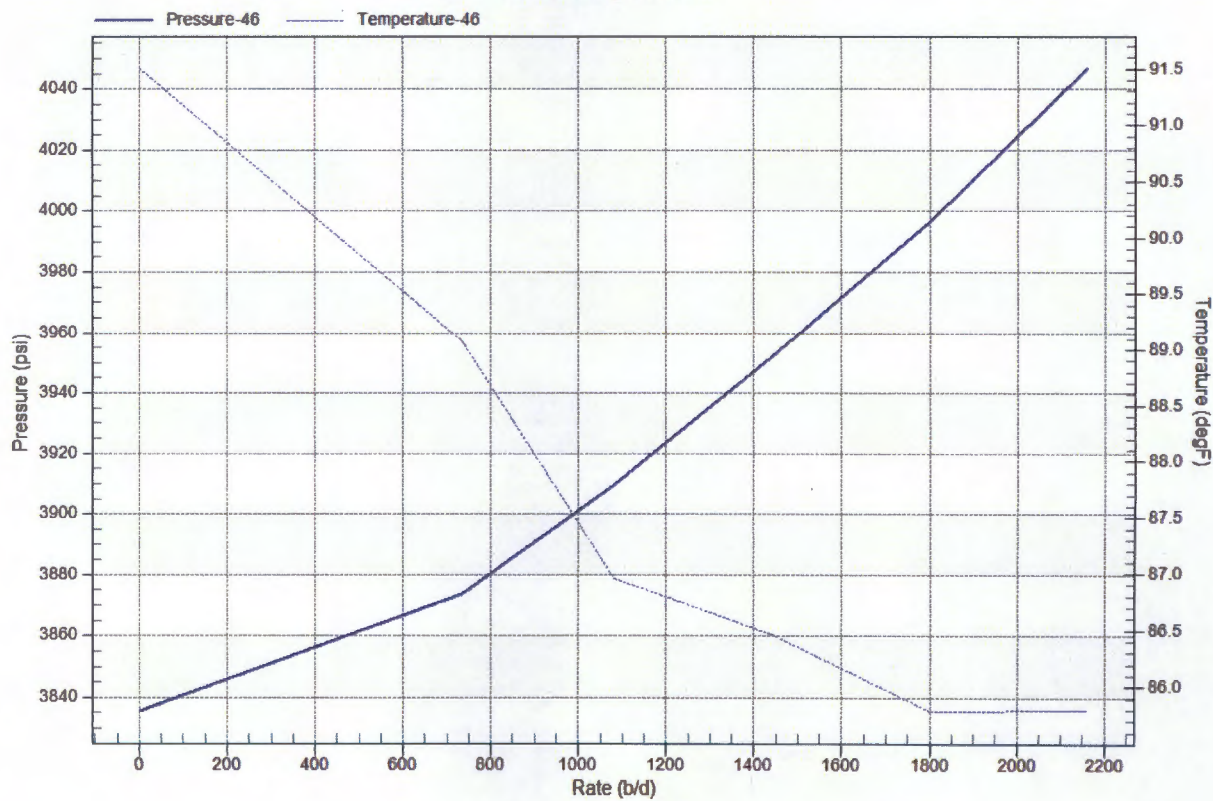




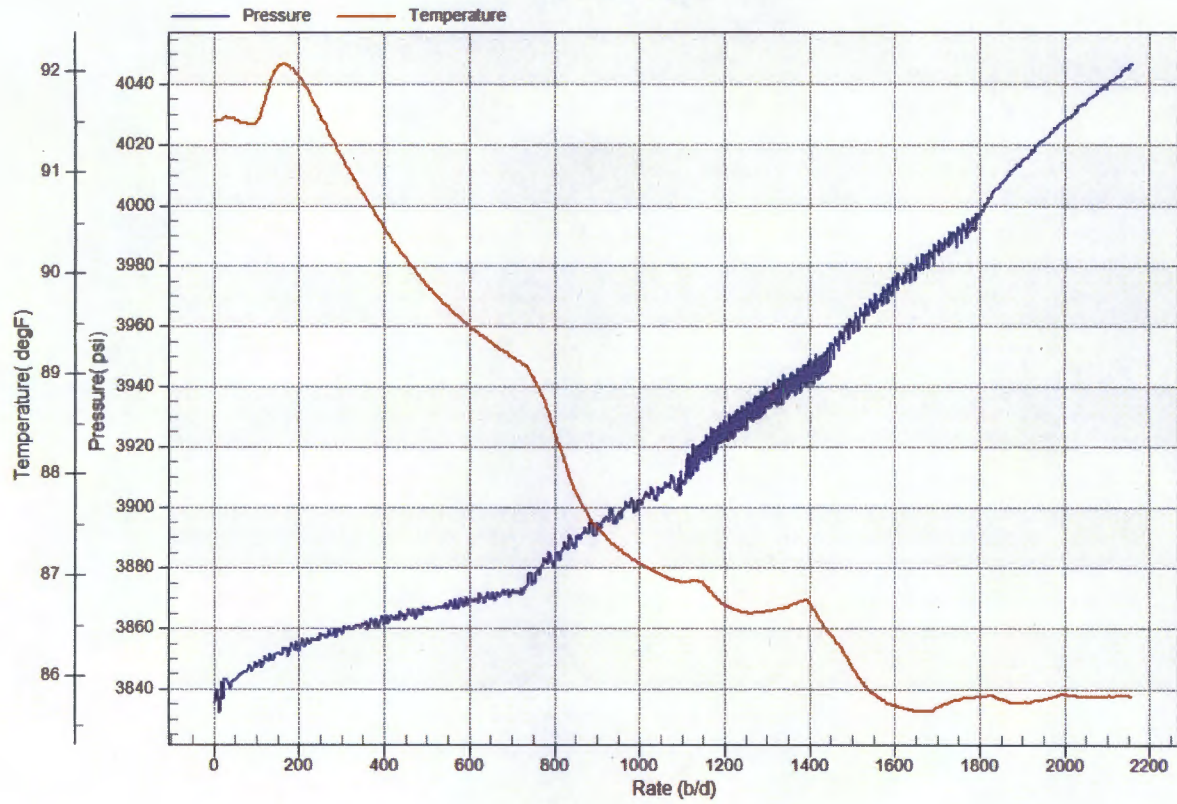
Temperature vs. Rate



Pres/Temp vs Rate



# Pressure Log





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

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. 30-025-25712
1. Type of Well: Oil Well <input type="checkbox"/> 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: G 1410 feet from NORTH line and 1336 feet from the EAST line Section 6 Township 18S Range 35E NMPM County LEA		8. Well Number 101
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.

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

*Denise Pinkerton*

TITLE REGULATORY SPECIALIST

DATE 06/30/2015

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):

# CHEVRON

## CENTRAL VACUUM UNIT # 101

June 11, 2015



## JOB INFORMATION SHEET

Company Information	
Company Name:	CHEVRON
Address:	1500 LOUISIANA STREET HOUSTON, TX 77002
Well Information	
Well Name:	CENTRAL VACUUM UNIT # 101
Field – Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP RATE TEST
Gauge Depth:	4240'
Production Interval:	4276'-4696'
Production Through:	TUBING
Tubing Pressure:	2525 psi
Casing Pressure:	0 psi
Shut In Time	1:55 PM
Status:	SHUT-IN
Temperature @ Run Depth	93.63 degF
Surface Temperature:	86.46 degF
Comments	
NO FRAC WAS ACHIEVED	

ARCHER WIRELINE

CHEVRON

## WELL INFORMATION SHEET

Well:	CENTRAL VACUUM UNIT # 101		
Well License:		Unique Well Identifier:	30-025-25712
Company:	CHEVRON		
Field	VACUUM		

Location:	County:	LEA	G-6 185 35E
Formation:	State:	NM	
Purpose:	Country:	USA	1410 N 1336 E

Total Depth:	4240'	ID Borehole:	N/A
Packer Depth:	4186'	ID Production Casing:	4"
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:	4186'	ID Drill Pipe:	N/A

ARCHER WIRELINE

## Gradient Data Report

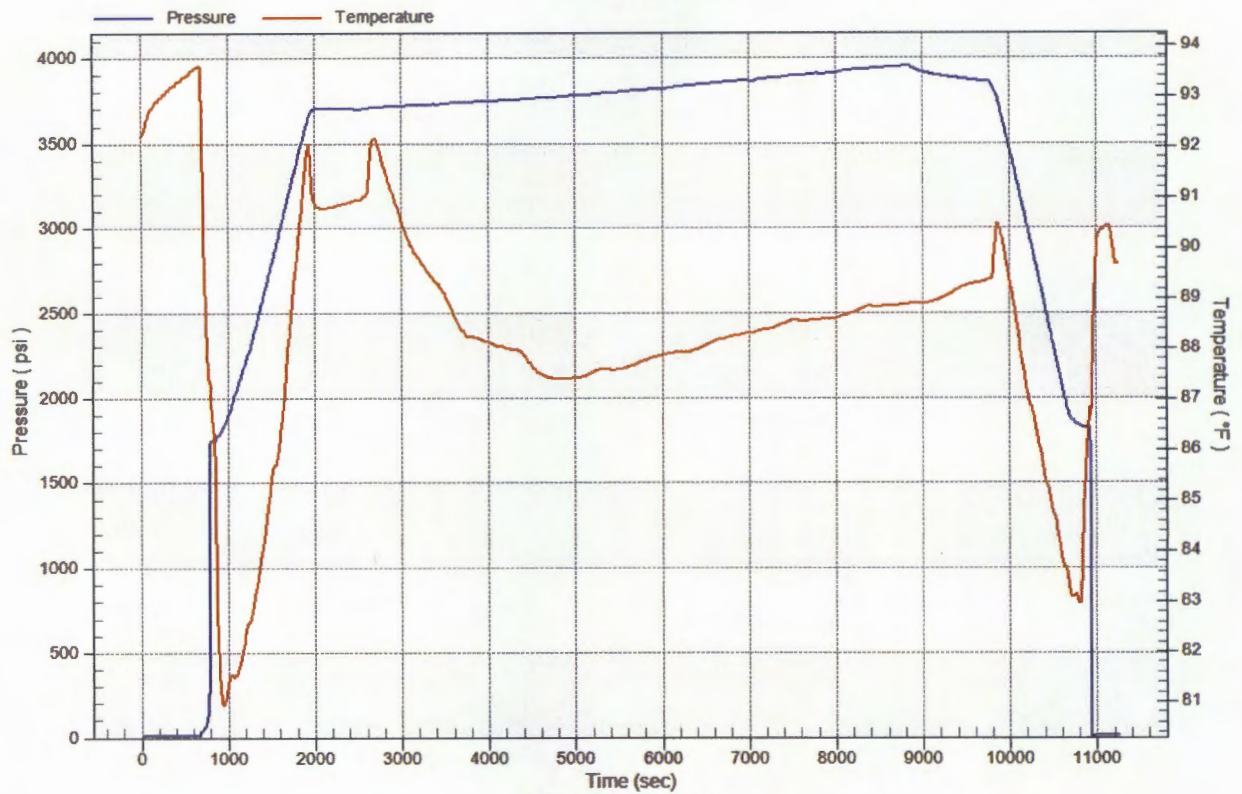
CHEVRON  
CENTRAL VACUUM UNIT # 101

Gradient Data Table

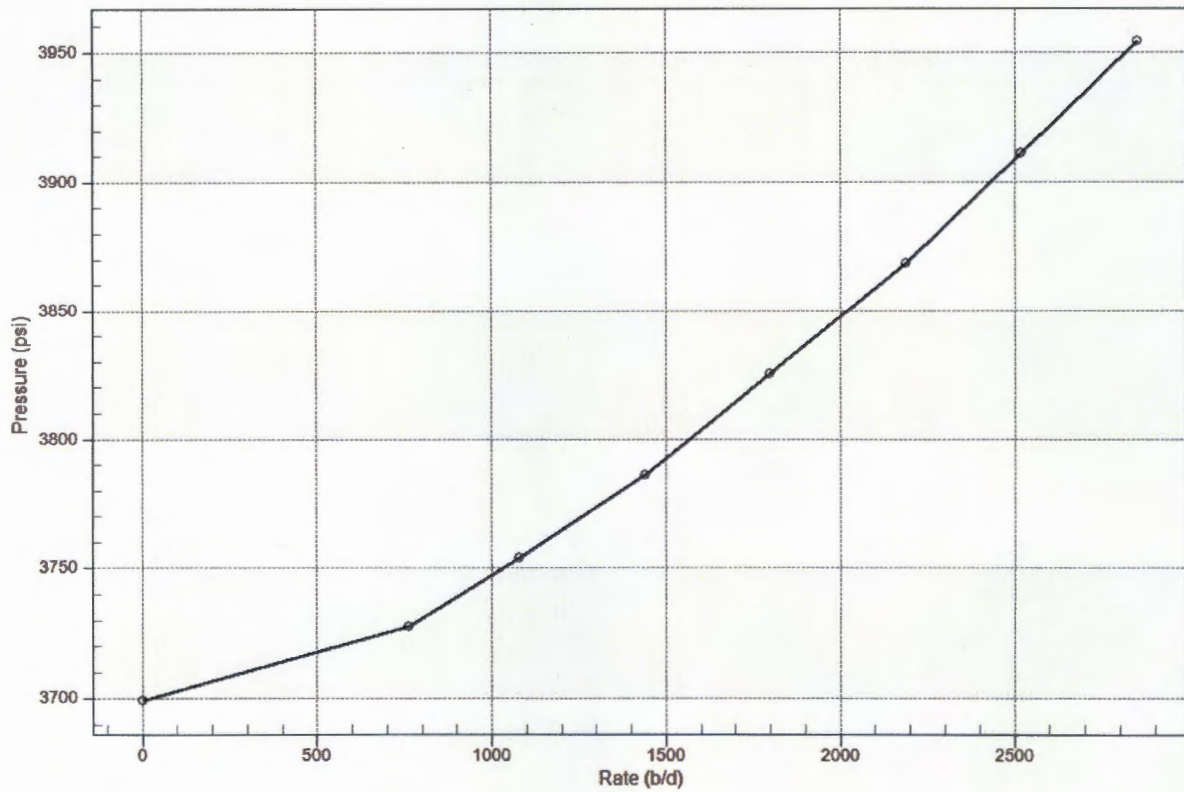
Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	3699.22	90.95	0.0000
763.00	3727.72	89.35	0.0373
1080.00	3753.84	87.96	0.0824
1440.00	3785.83	87.55	0.0889
1800.00	3825.30	87.92	0.1097
2188.00	3868.31	88.31	0.1108
2520.00	3911.01	88.60	0.1286
2851.00	3954.17	88.89	0.1304

ARCHER WIRELINE

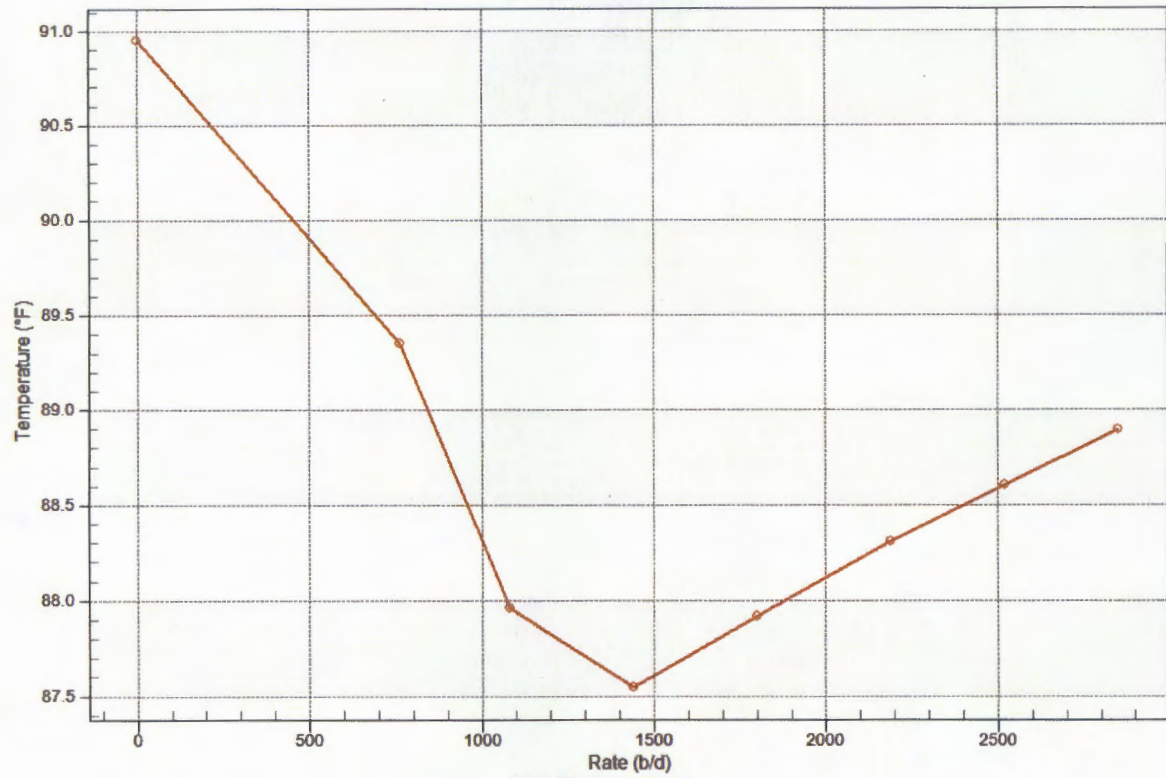
# CVU # 101



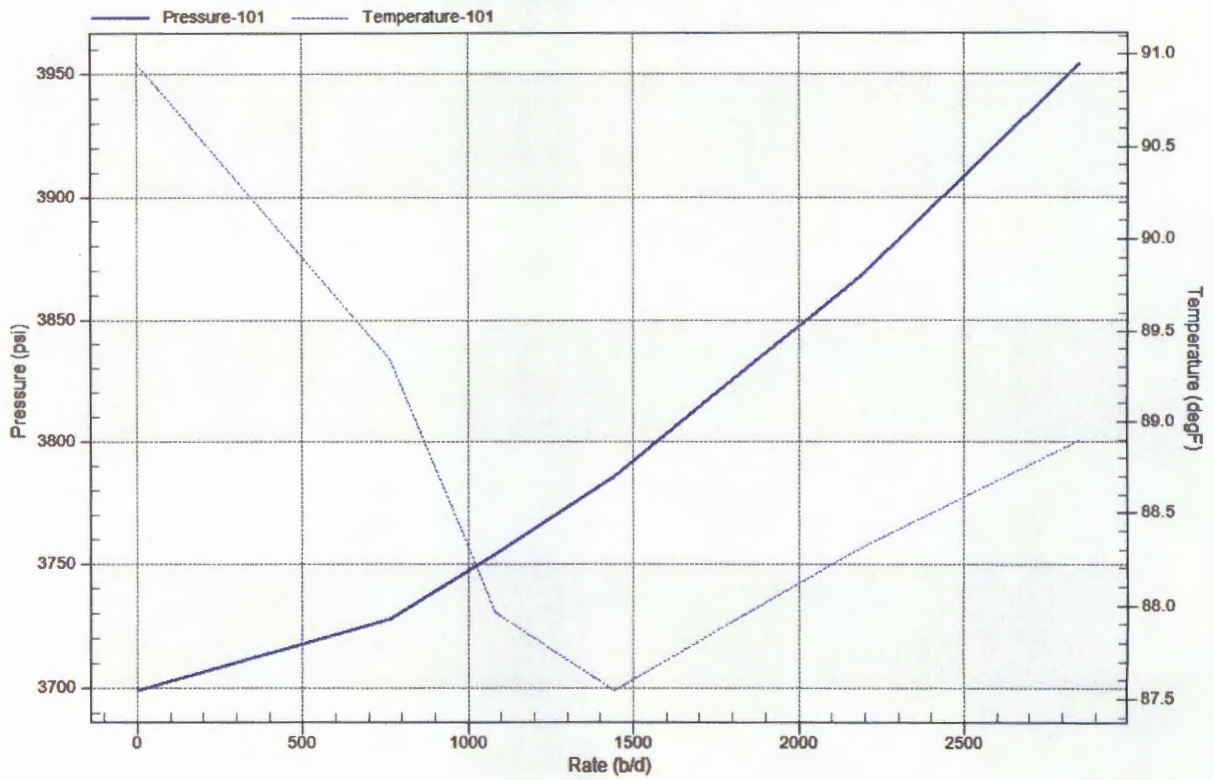
## Pressure vs. Rate



Temperature vs. Rate

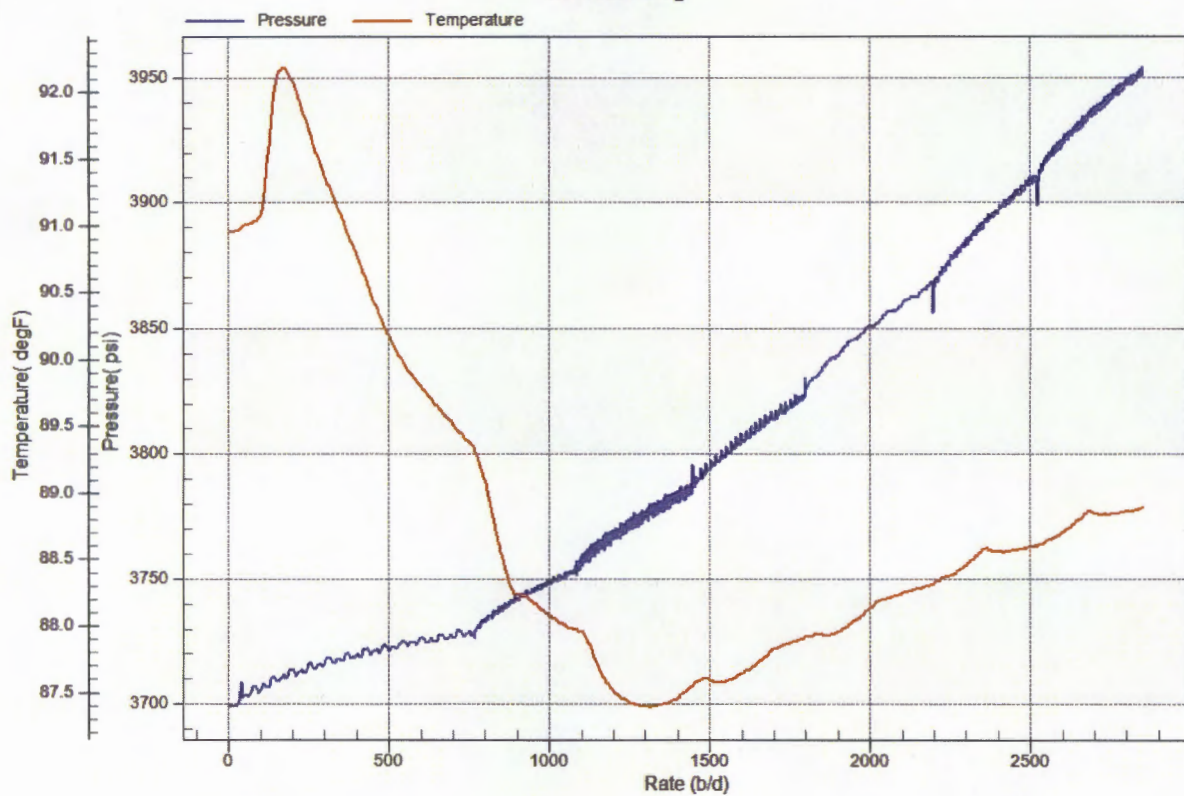


Pres/Temp vs Rate





# Pressure Log

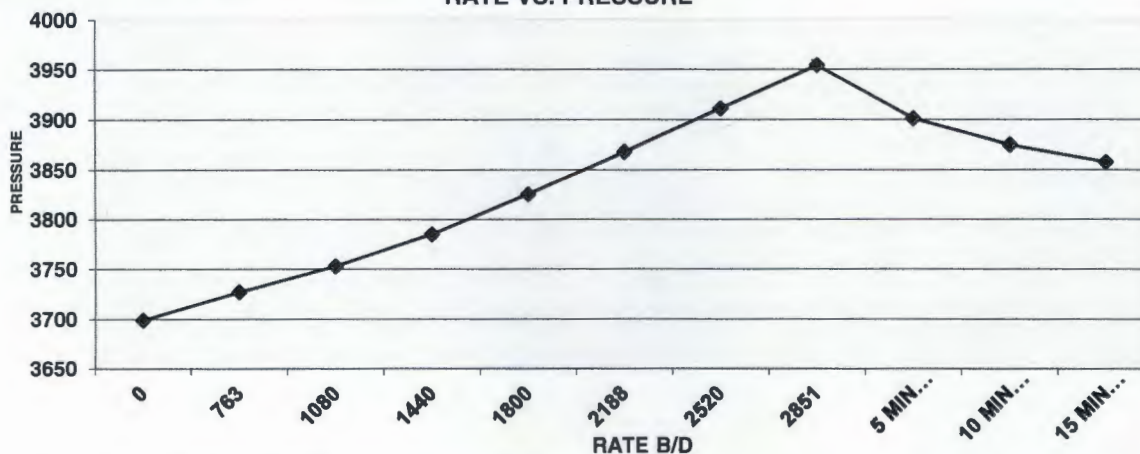


# Archer

## STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	6/11/2015	12:10 PM	3699	1725	
763	6/11/2015	12:25 PM	3727	1800	
363 1080	6/11/2015	12:40 PM	3753	1875	
363 1440	6/11/2015	12:55 PM	3785	1950	
381 1800	6/11/2015	1:10 PM	3825	2075	
332 2188	6/11/2015	1:25 PM	3868	2250	
331 2520	6/11/2015	1:40 PM	3911	2375	
2851	6/11/2015	1:55 PM	3954	2525	.64 / Sur
5 MIN FALL OFF	6/11/2015	2:00 PM	3901	1925	
10 MIN FALL OFF	6/11/2015	2:05 PM	3875	1900	
15 MIN FALL OFF	6/11/2015	2:10 PM	3858	1880	
Company:	CHEVRON			Recorded By:	T. STANCZAK
Well:	CENTRAL VACUUM UNIT # 101			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:	1:55 PM			NO FRAC WAS ACHIEVED	
Total Shut In Time:	15 MIN				
Tubing Size:	2.375"				
Open Hole:	N/A				
Perforations:	4276'-4696'				
Plug Back Depth	4764'				

RATE VS. PRESSURE



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. 30-025-25730
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 CENTRAL VACUUM UNIT
8. Well Number 082
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 <input type="checkbox"/> 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: K 1333 feet from SOUTH line and 2528 feet from the WEST line Section 36 Township 17S 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"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
DOWNHOLE COMMINGLE <input type="checkbox"/>	P AND A <input type="checkbox"/>
CLOSED-LOOP SYSTEM <input type="checkbox"/>	CASING/CEMENT JOB <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.

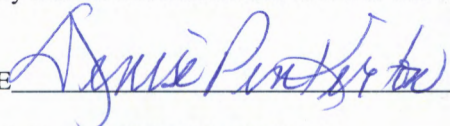
PLEASE FIND ATTACHED, RESULTS OF A STEP RATE TEST THAT WAS RUN ON THE SUBJECT WELL.  
PLEASE APPROVE HIGHER PRESSURE LIMITS AS THIS TEST INDICATES.

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 06/30/2015

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):

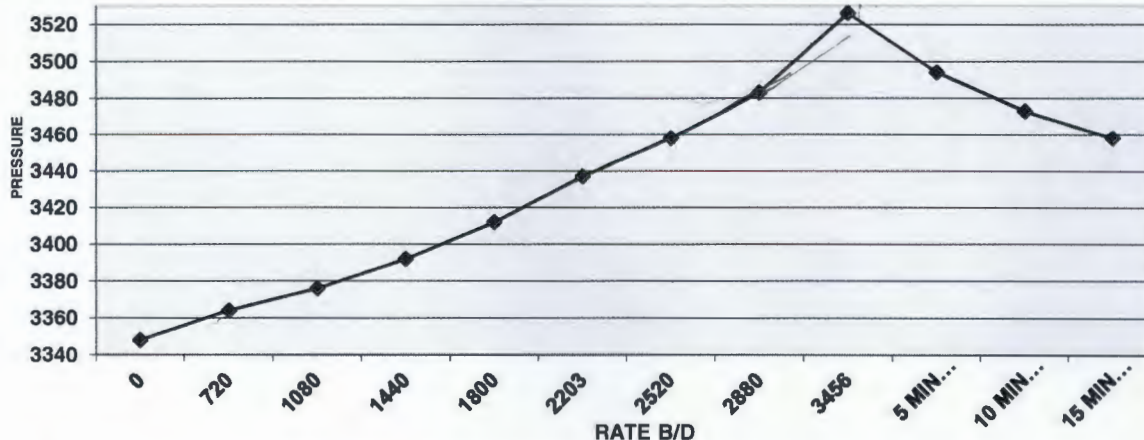


# Archer

## STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	6/10/2015	8:55 AM	3348	1375	
720	6/10/2015	9:10 AM	3364	1400	
360 1080	6/10/2015	9:25 AM	3376	1425	
360 1440	6/10/2015	9:40 AM	3392	1475	
403 1800	6/10/2015	9:55 AM	3412	1550	
317 2203	6/10/2015	10:10 AM	3437	1675	
360 2520	6/10/2015	10:25 AM	3458	1780	
*576 2880	6/10/2015	10:40 AM	3483	1900	
3456	6/10/2015	10:55 AM	3526	2125	.49/surf face
5 MIN FALL OFF	6/10/2015	11:06 AM	3494	1475	
10 MIN FALL OFF	6/10/2015	11:11 AM	3473	1425	
15 MIN FALLOFF	6/10/2015	11:16 AM	3458	1410	
Company:	CHEVRON			Recorded By:	T. STANCZAK
Well:	CENTRAL VACUUM UNIT # 82			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:	11:01 AM			NO FRAC WAS ACHIEVED	
Total Shut In Time:	15 MIN				
Tubing Size:	2.375"				
Open Hole:	N/A				
Perforations:	4340'-4719'				
Plug Back Depth	4790'				

RATE VS. PRESSURE





# CHEVRON

## CENTRAL VACUUM UNIT # 82

June 10, 2015

## JOB INFORMATION SHEET

Company Information	
Company Name:	CHEVRON
Address:	1500 LOUISIANA STREET HOUSTON, TX 77002
Well Information	
Well Name:	CENTRAL VACUUM UNIT # 82
Field – Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP RATE TEST
Gauge Depth:	4260'
Production Interval:	4340'-4719'
Production Through:	TUBING
Tubing Pressure:	2300 psi
Casing Pressure:	0 psi
Shut In Time	11:01 AM
Status:	SHUT-IN
Temperature @ Run Depth	91.74 degF
Surface Temperature:	83.65 degF
Comments	
NO FRAC WAS ACHIEVED	

ARCHER WIRELINE

CHEVRON

## WELL INFORMATION SHEET

Well:	CENTRAL VACCUM UNIT # 82	Unique Well Identifier:	35-025-25730
Well License:			
Company:	CHEVRON		
Field	VACUUM		

Location:	County:	LEA	K-36 175340
Formation:	State:	NM	
Purpose:	Country:	USA	1333 S 2528 W

Total Depth:	4260'	ID Borehole:	N/A
Packer Depth:	4197'	ID Production Casing:	4"
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:	4197'	ID Drill Pipe:	N/A

ARCHER WIRELINE

## Gradient Data Report

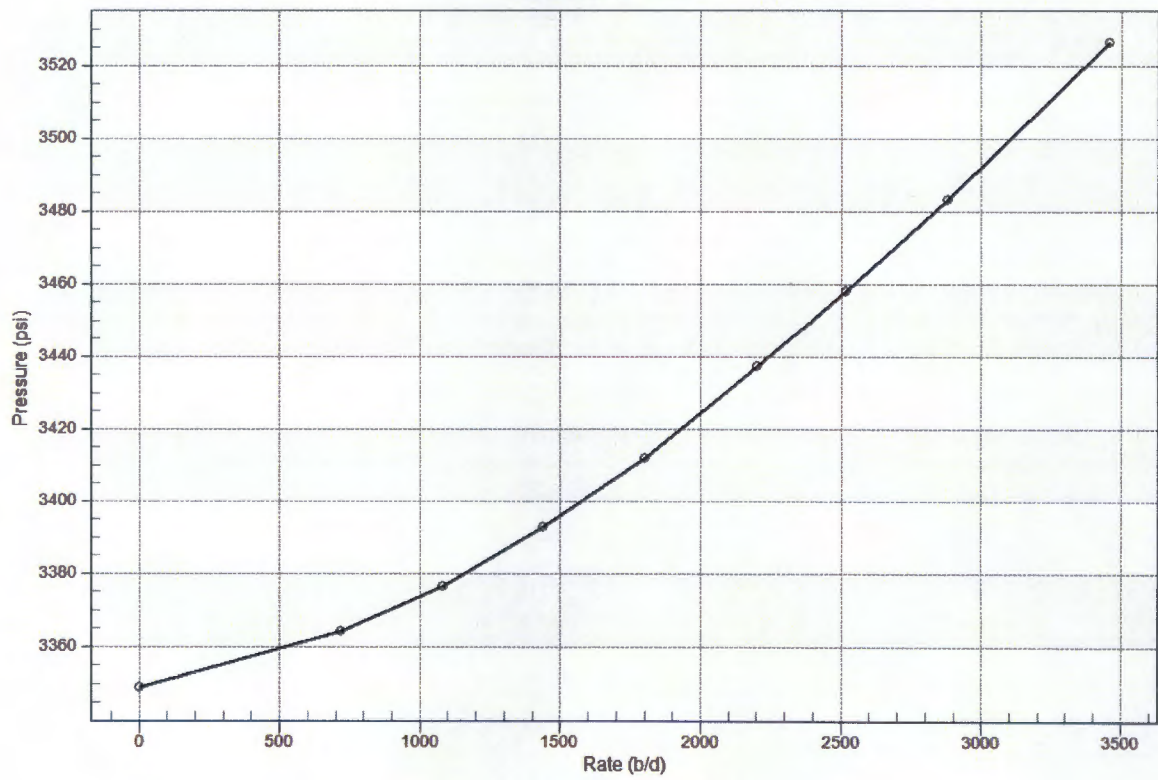
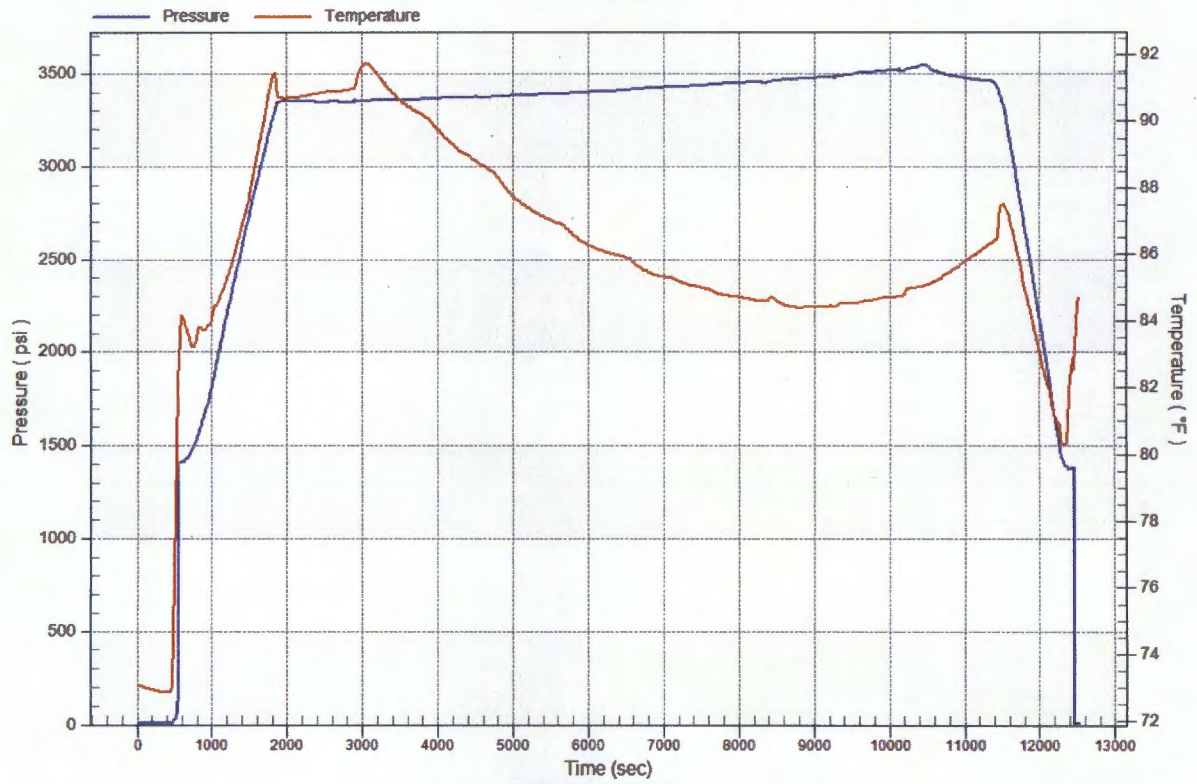
CHEVRON  
CENTRAL VACCUM UNIT # 82

Gradient Data Table

Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	3348.99	90.99	0.0000
720.00	3364.20	90.18	0.0211
1080.00	3376.27	88.53	0.0335
1440.00	3392.70	86.92	0.0456
1800.00	3412.00	85.91	0.0536
2203.00	3437.45	85.03	0.0631
2520.00	3458.05	84.58	0.0650
2880.00	3483.27	84.44	0.0701
3456.00	3526.32	84.73	0.0747

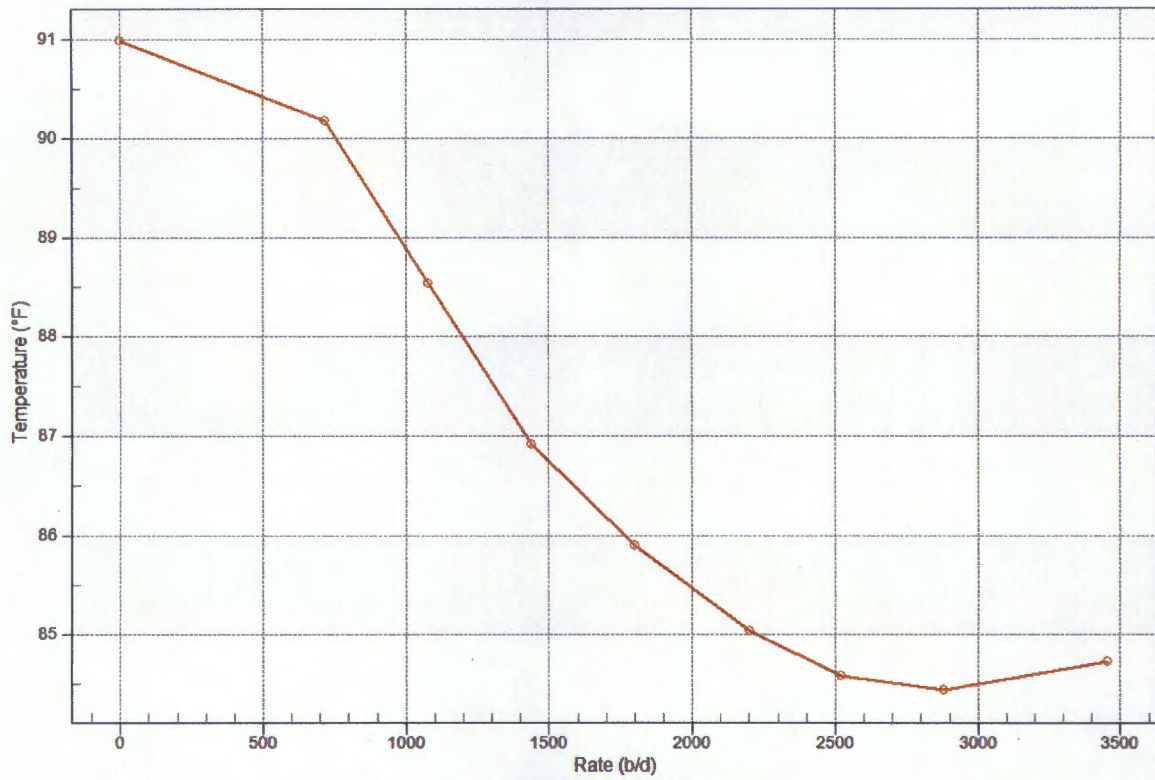
ARCHER WIRELINE

# CVU # 82

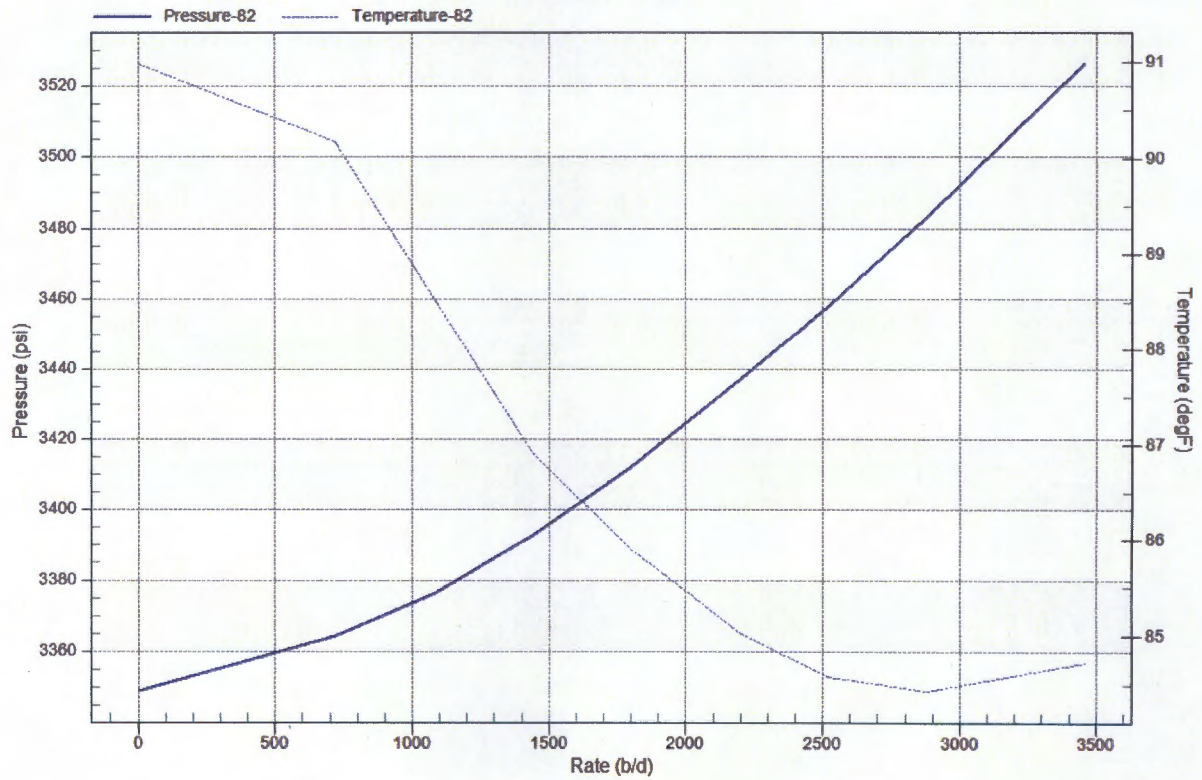




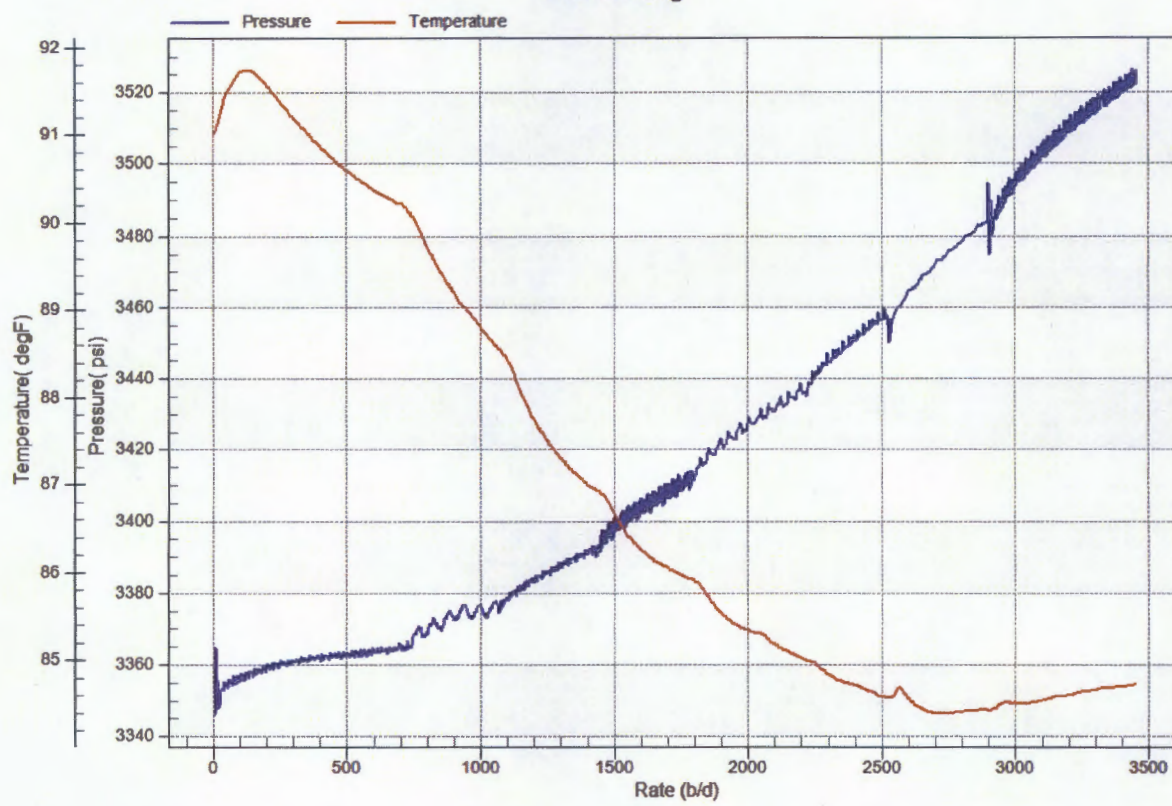
Temperature vs. Rate



Pres/Temp vs Rate



# Pressure Log





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.  
30-025-25732

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

CENTRAL VACUUM UNIT

8. Well Number 084

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: I 1333 feet from SOUTH line and 151 feet from the EAST line

Section 36 Township 17S 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.

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 06/30/2015

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 \_\_\_\_\_

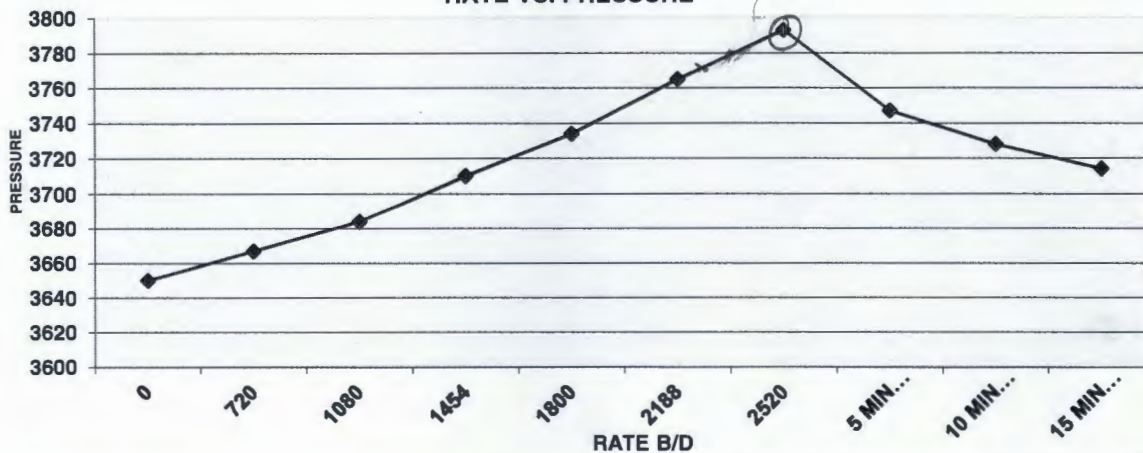
Conditions of Approval (if any):

# Archer

## STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	6/9/2015	10:05 AM	3650	1660	
360 720	6/9/2015	10:20 AM	3667	1790	
374 1080	6/9/2015	10:35 AM	3684	1990	
346 1454	6/9/2015	10:50 AM	3710	2000	
388 1800	6/9/2015	11:05 AM	3734	2110	
332 2188	6/9/2015	11:20 AM	3765	2225	
2520	6/9/2015	11:35 AM	3793	2350	0.54/SG
5 MIN FALL OFF	6/9/2015	11:40 AM	3747	1950	
10 MIN FALL OFF	6/9/2015	11:45 AM	3728	1875	
15 MIN FALLOFF	6/9/2015	11:50 AM	3714	1825	
Company:	CHEVRON			Recorded By:	T. STANCZAK
Well:	CENTRAL VACUUM UNIT # 84			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:	11:35 AM			NO FRAC WAS ACHIEVED	
Total Shut In Time:	15 MIN				
Tubing Size:	2.375"				
Open Hole:	N/A				
Perforations:	4350'-4692'				
Plug Back Depth	4751'				

RATE VS. PRESSURE







# CHEVRON

## CENTRAL VACUUM UNIT # 84

June 9, 2015

## JOB INFORMATION SHEET

Company Information	
Company Name:	CHEVRON
Address:	1500 LOUISIANA STREET HOUSTON, TX 77002
Well Information	
Well Name:	CENTRAL VACCUM UNIT # 84
Field – Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP RATE TEST
Gauge Depth:	4300'
Production Interval:	4350'-4692'
Production Through:	TUBING
Tubing Pressure:	2350 psi
Casing Pressure:	0 psi
Shut In Time	11:35 AM
Status:	SHUT-IN
Temperature @ Run Depth	89.91 degF
Surface Temperature:	84.26 degF
Comments	
NO FRAC WAS ACHIEVED	

ARCHER WIRELINE

CHEVRON

## WELL INFORMATION SHEET

Well:	CENTRAL VACCUM UNIT # 84		
Well License:		Unique Well Identifier:	30-025-25732
Company:	CHEVRON		
Field	VACUUM		

Location:	County:	LEA	1-36 175 34E
Formation:	State:	NM	
Purpose:	Country:	USA	1333 S 151 E

Total Depth:	4300'	ID Borehole:	N/A
Packer Depth:	4250'	ID Production Casing:	4"
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:	4250'	ID Drill Pipe:	N/A

ARCHER WIRELINE

## Gradient Data Report

CHEVRON  
CENTRAL VACCUM UNIT # 84

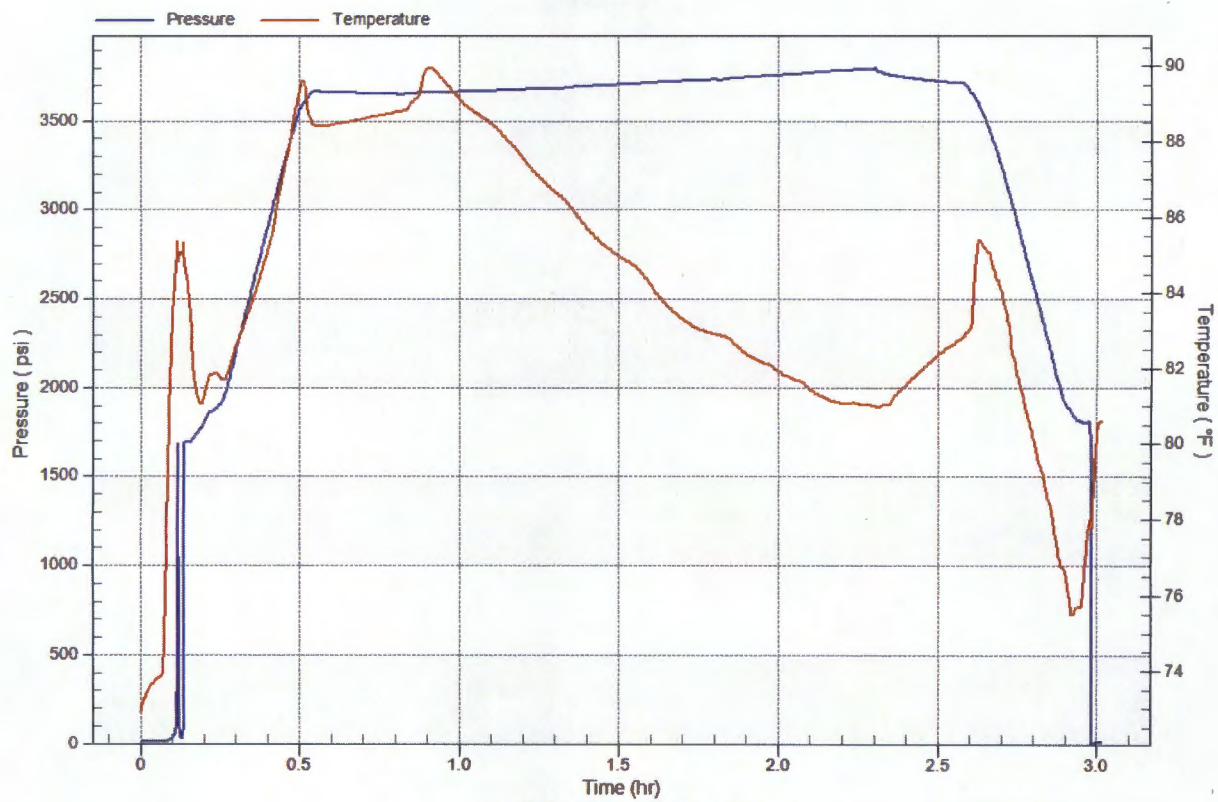
Gradient Data Table

Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	3650.12	88.81	0.0000
720.00	3667.42	88.69	0.0240
1080.00	3684.45	86.57	0.0473
1454.00	3710.20	84.65	0.0689
1800.00	3734.38	82.89	0.0699
2188.00	3765.46	81.68	0.0801
2520.00	3793.73	80.99	0.0851

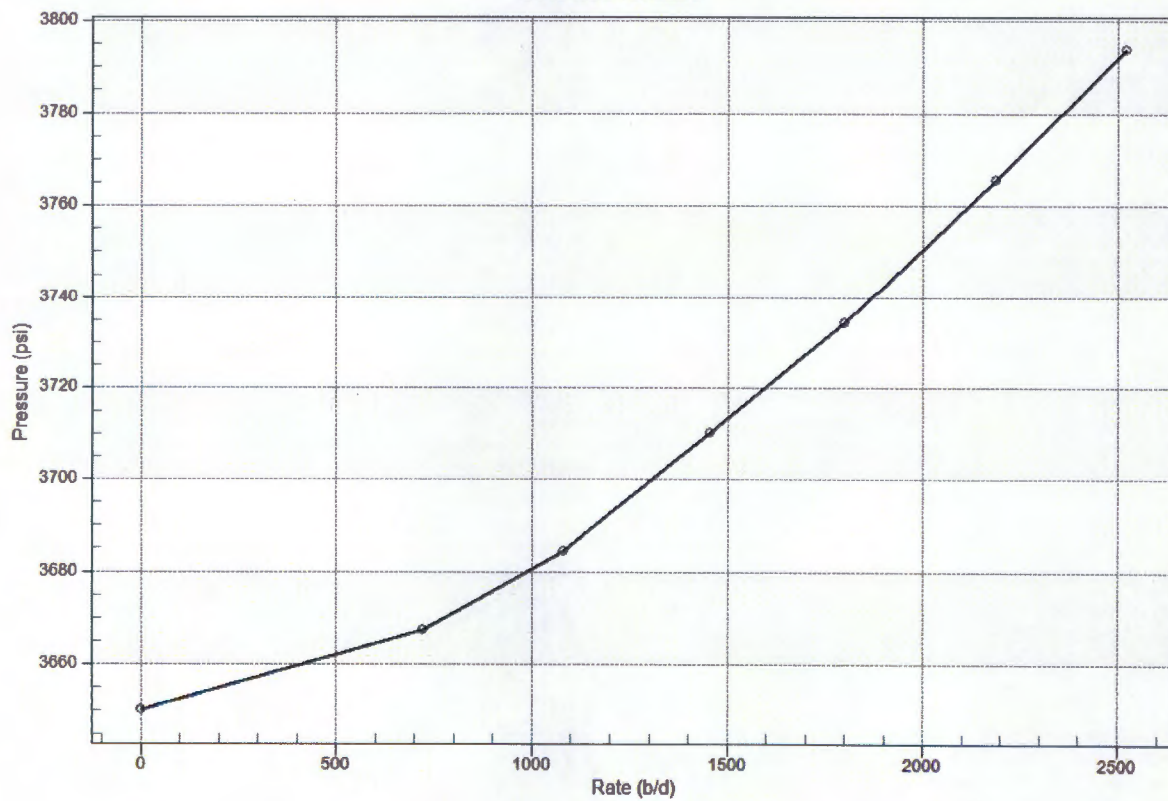
ARCHER WIRELINE



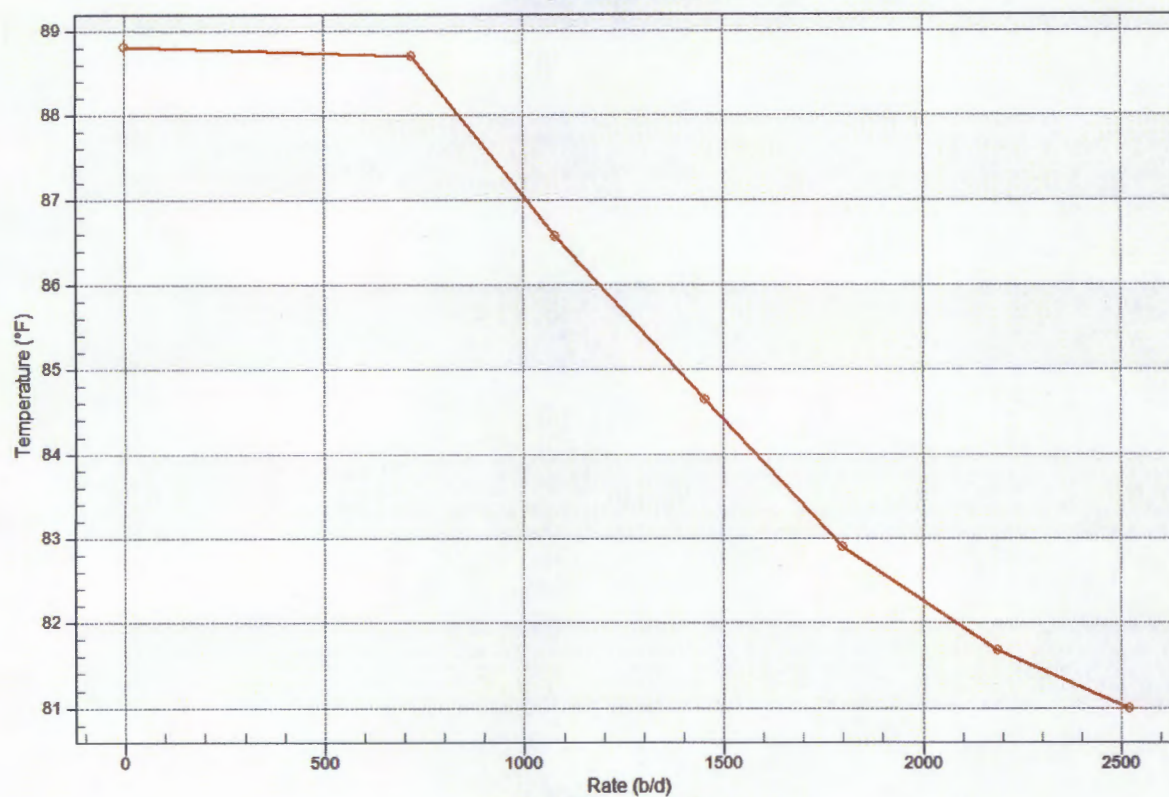
# CVU # 84



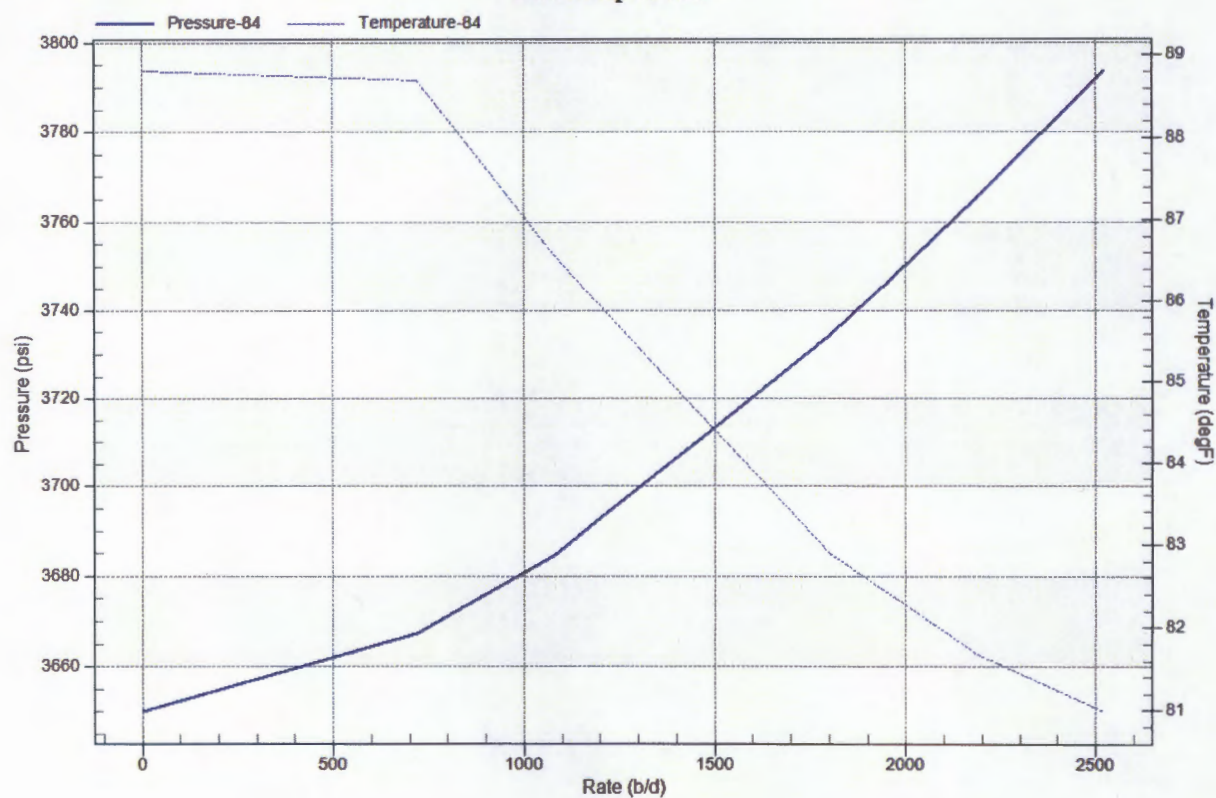
## Pressure vs. Rate



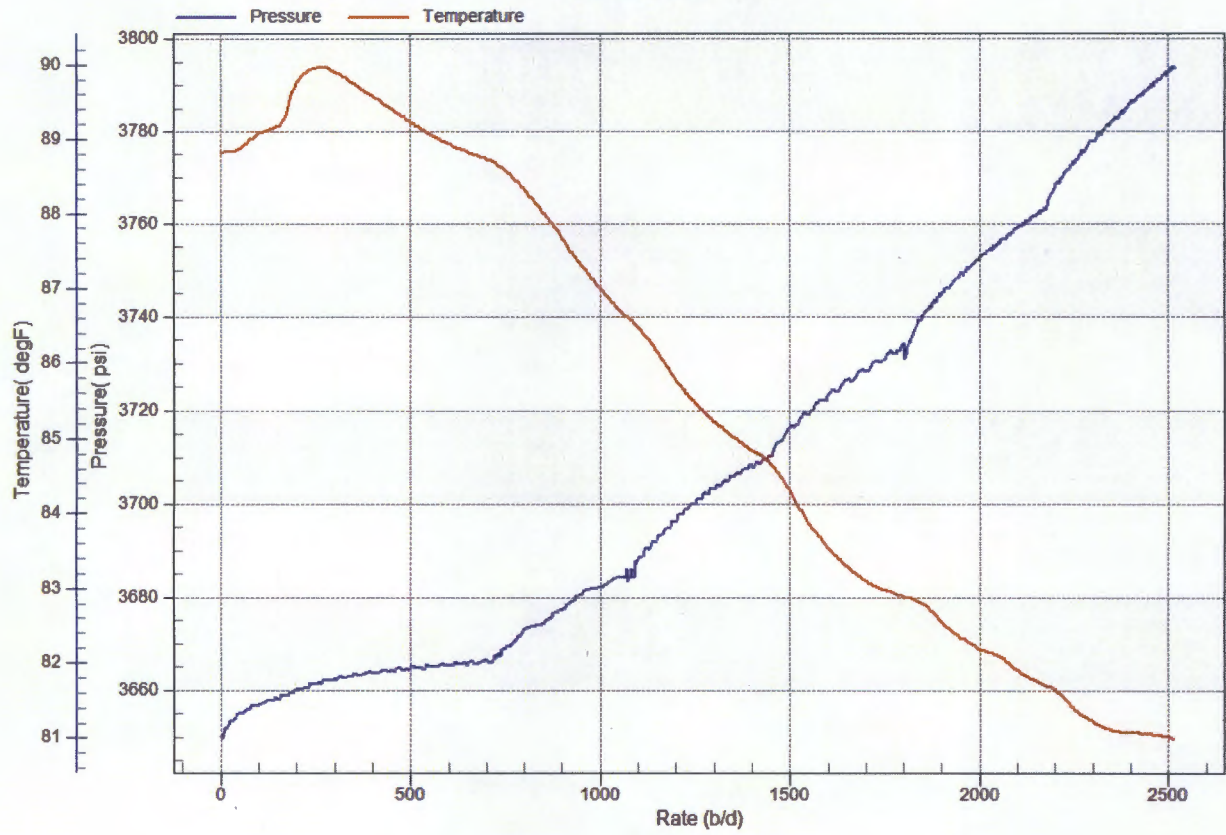
**Temperature vs. Rate**



**Pres/Temp vs Rate**



# Pressure Log





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.  
30-025-25729

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

CENTRAL VACUUM UNIT

8. Well Number 074

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: L 2561 feet from SOUTH line and 1180 feet from the WEST line

Section 31 Township 17S Range 35E 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.

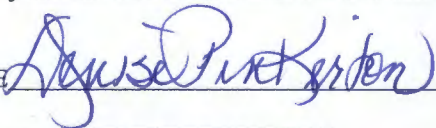
PLEASE FIND ATTACHED, RESULTS OF A STEP RATE TEST THAT WAS RUN ON THE SUBJECT WELL.  
PLEASE APPROVE HIGHER PRESSURE LIMITS AS THIS TEST INDICATES.

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 06/30/2015

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):



# CHEVRON

## CENTRAL VACUUM UNIT # 74

June 25, 2015

## JOB INFORMATION SHEET

Company Information	
Company Name:	CHEVRON
Address:	1500 LOUISIANA STREET HOUSTON, TX 77002
Well Information	
Well Name:	CENTRAL VACUUM UNIT # 74
Field – Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP RATE TEST
Gauge Depth:	4410'
Production Interval:	4448'-4678'
Production Through:	TUBING
Tubing Pressure:	2575 psi
Casing Pressure:	0 psi
Shut In Time	1:10 PM
Status:	SHUT-IN
Temperature @ Run Depth	90.72 degF
Surface Temperature:	84.58 degF
Comments	
NO FRAC WAS ACHIEVED	

ARCHER WIRELINE

CHEVRON

## WELL INFORMATION SHEET

Well:	CENTRAL VACUUM UNIT # 74		
Well License:		Unique Well Identifier:	30-025-25729
Company:	CHEVRON		
Field:	VACUUM		

Location:	County:	LEA	L-31 17 S 35 E
Formation:	State:	NM	
Purpose:	Country:	USA	2561 S 1180 W

Total Depth:	4410'	ID Borehole:	N/A
Packer Depth:	4354'	ID Production Casing:	4"
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:	4354'	ID Drill Pipe:	N/A

ARCHER WIRELINE

## Gradient Data Report

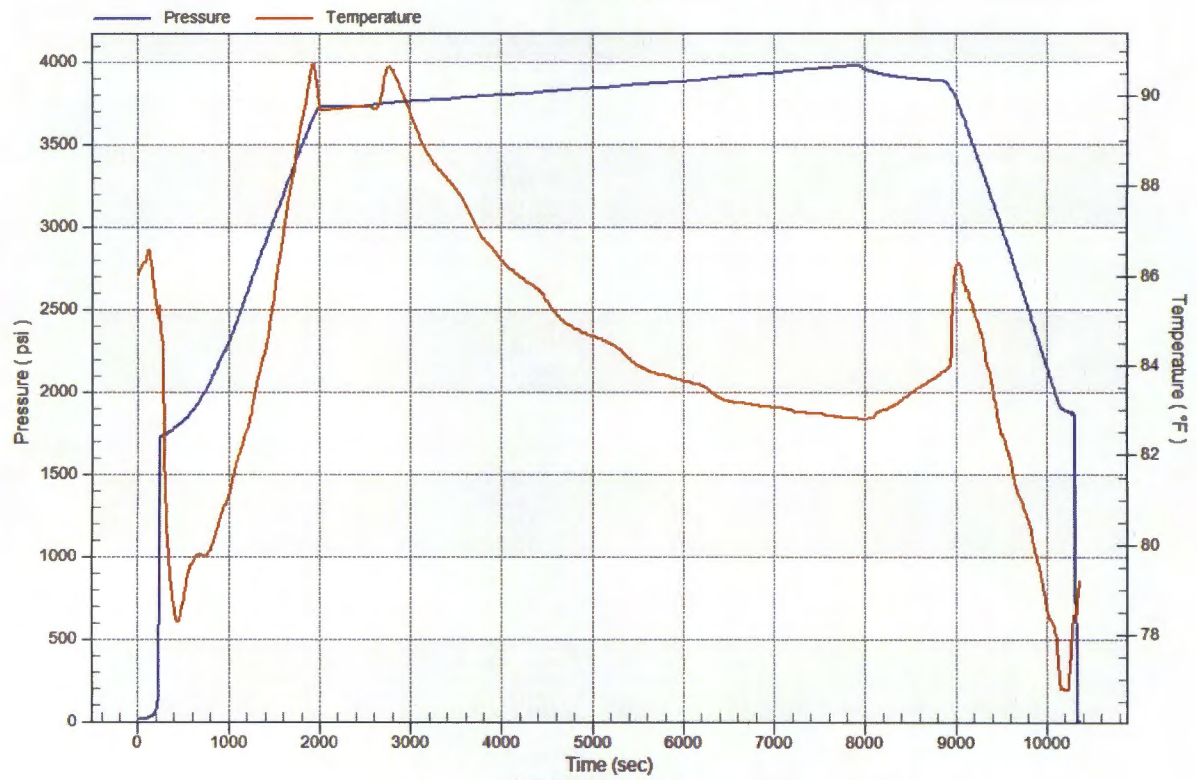
CHEVRON  
CENTRAL VACUUM UNIT # 74

Gradient Data Table

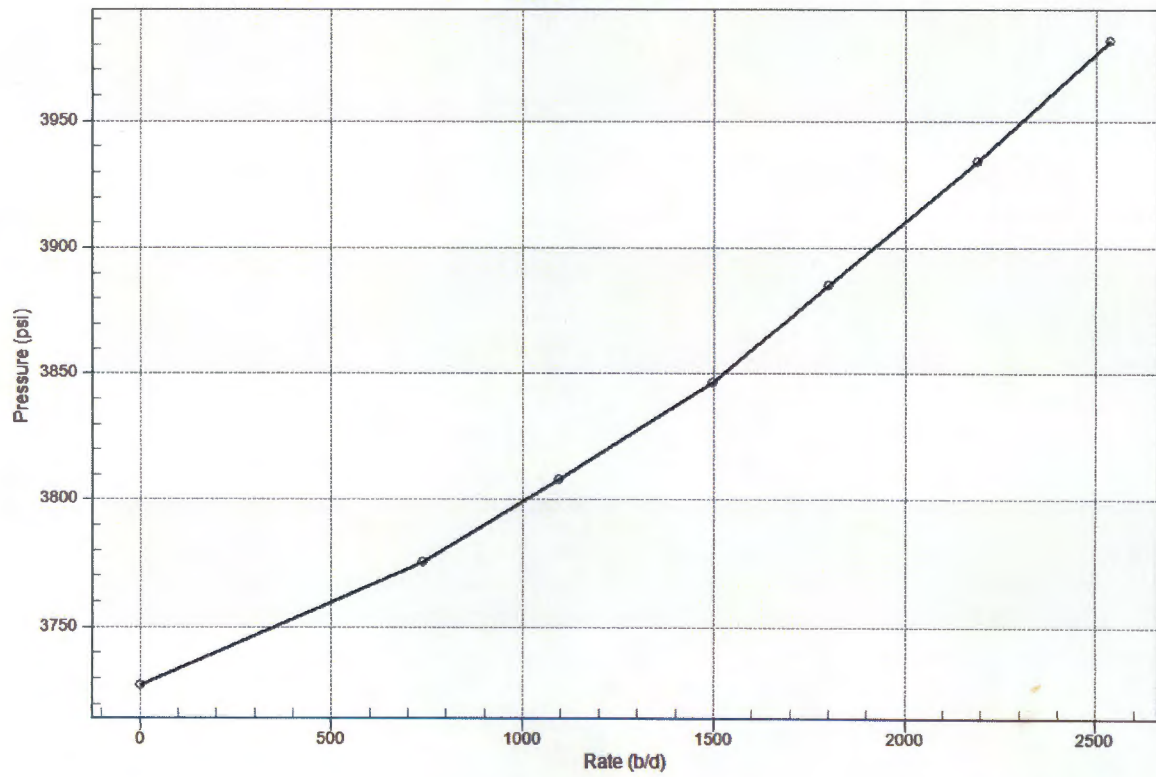
Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	3727.25	89.79	0.0000
740.00	3775.09	88.12	0.0647
1094.00	3808.17	85.83	0.0934
1497.00	3846.20	84.48	0.0944
1800.00	3884.99	83.60	0.1280
2188.00	3934.26	83.05	0.1270
2534.00	3981.25	82.81	0.1358

ARCHER WIRELINE

# CVU # 74

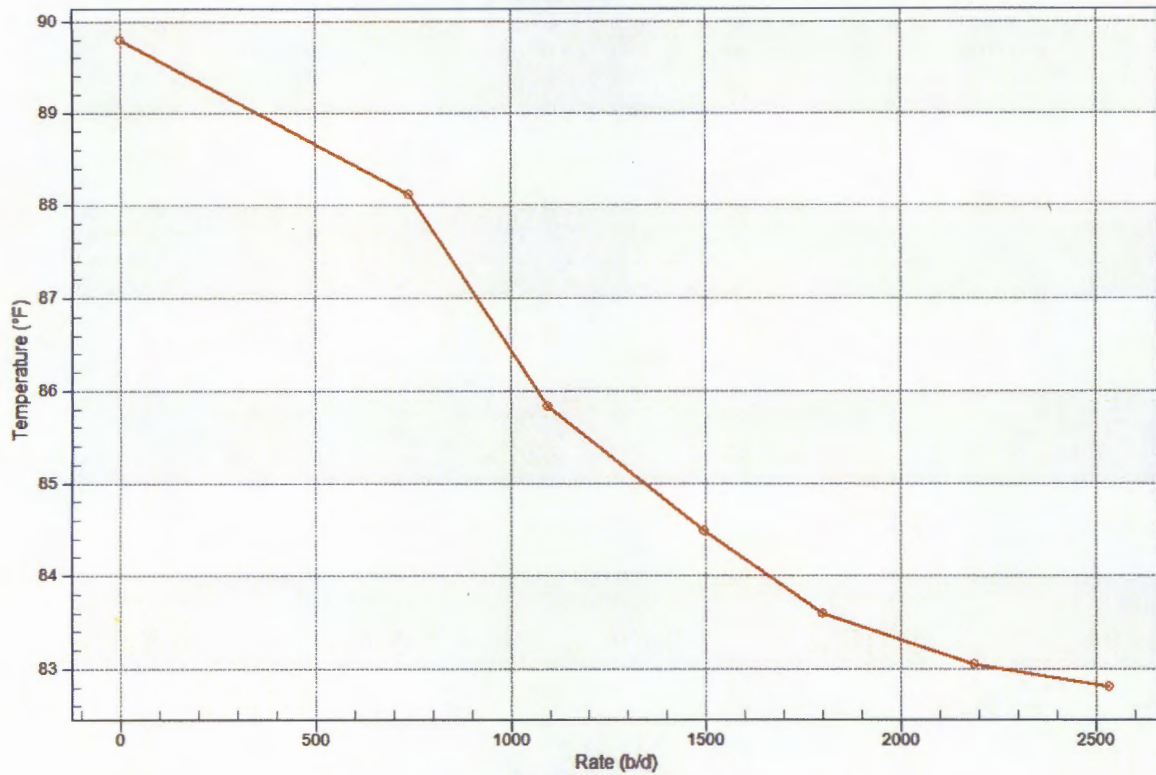


Pressure vs. Rate

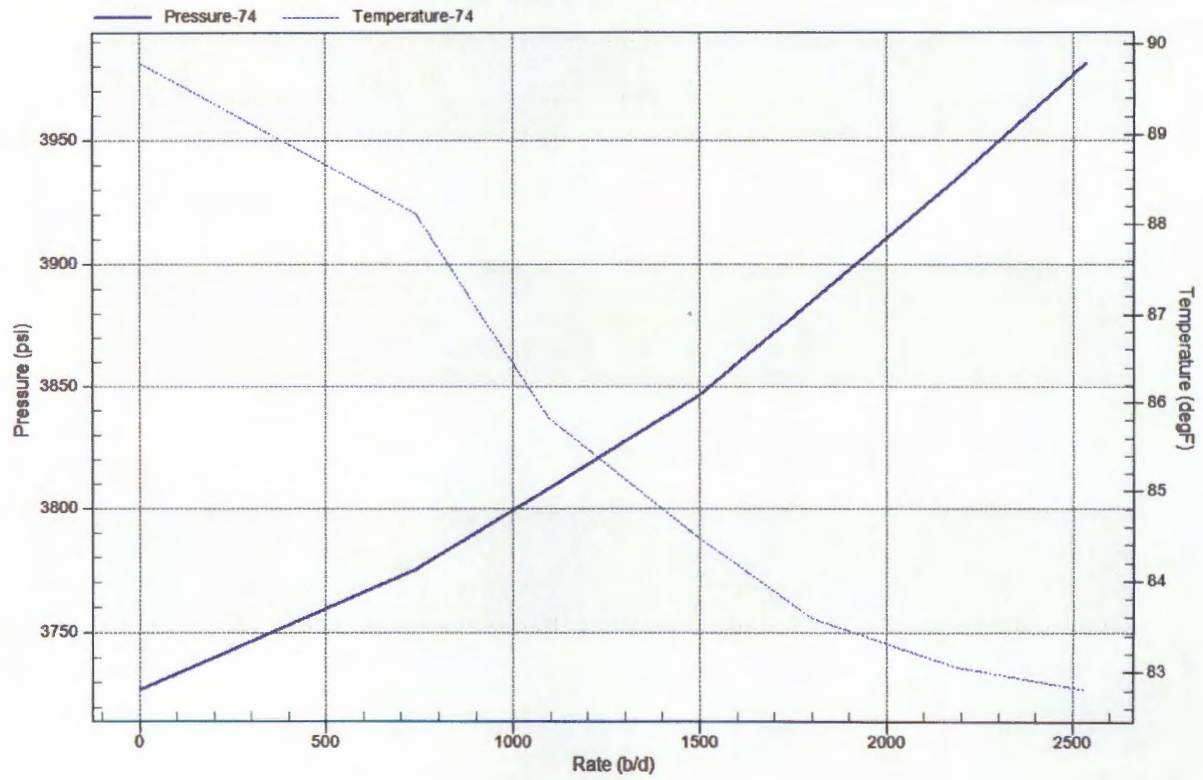




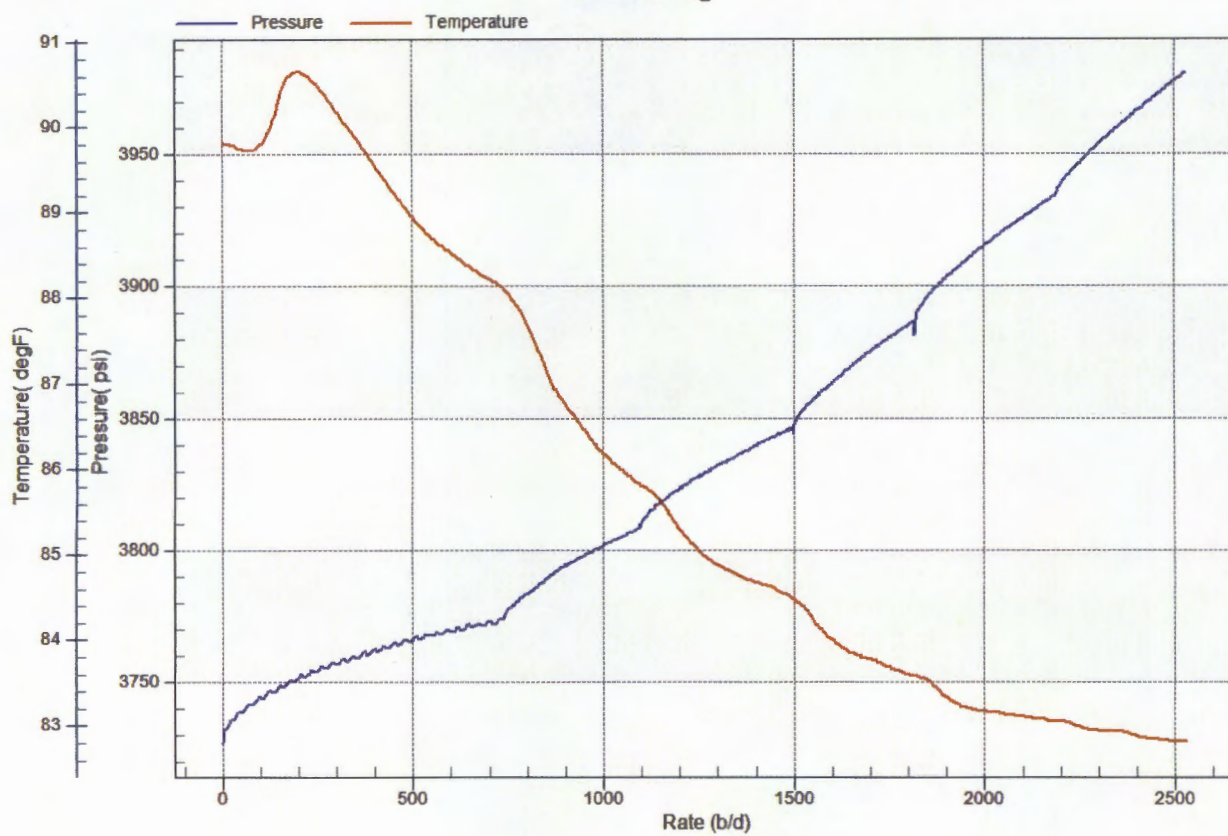
Temperature vs. Rate



Pres/Temp vs Rate



# Pressure Log

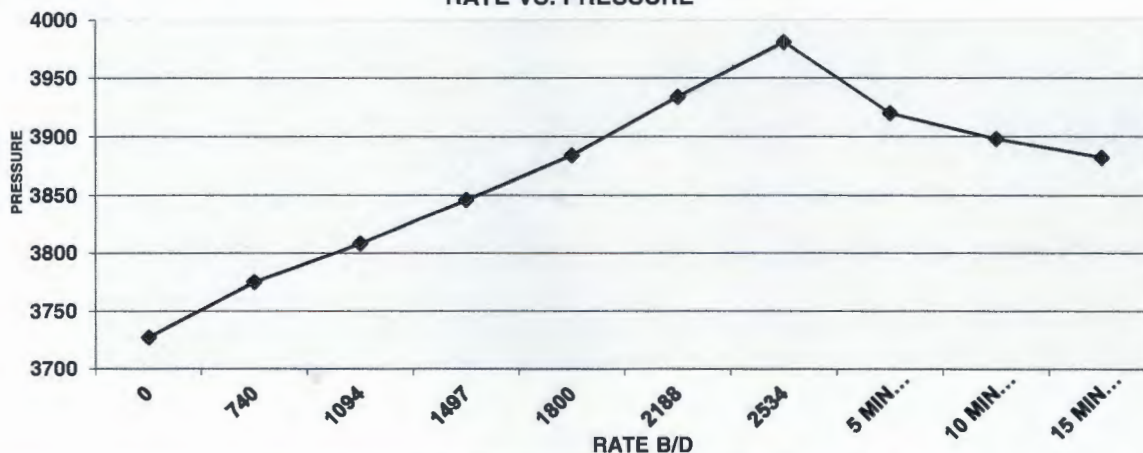


# Archer

## STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	6/25/2015	11:40 AM	3727	1725	
354740	6/25/2015	11:55 AM	3775	1875	
41031094	6/25/2015	12:10 PM	3808	2000	
3031497	6/25/2015	12:25 PM	3846	2125	
3881800	6/25/2015	12:40 PM	3884	2240	
3462188	6/25/2015	12:55 PM	3934	2425	
2534	6/25/2015	1:10 PM	3981	2575	.58154
5 MIN FALL OFF	6/25/2015	1:15 PM	3920	1975	
10 MIN FALL OFF	6/25/2015	1:20 PM	3898	1940	
15 MIN FALL OFF	6/25/2015	1:25 PM	3882	1925	
Company:	CHEVRON			Recorded By:	T. STANCZAK
Well:	CENTRAL VACUUM UNIT # 74			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:	1:10 PM			NO FRAC WAS ACHIEVED	
Total Shut In Time:	15 MIN				
Tubing Size:	2.375"				
Open Hole:	4448'-4678'				
Perforations:	N/A				
Plug Back Depth	4708'				

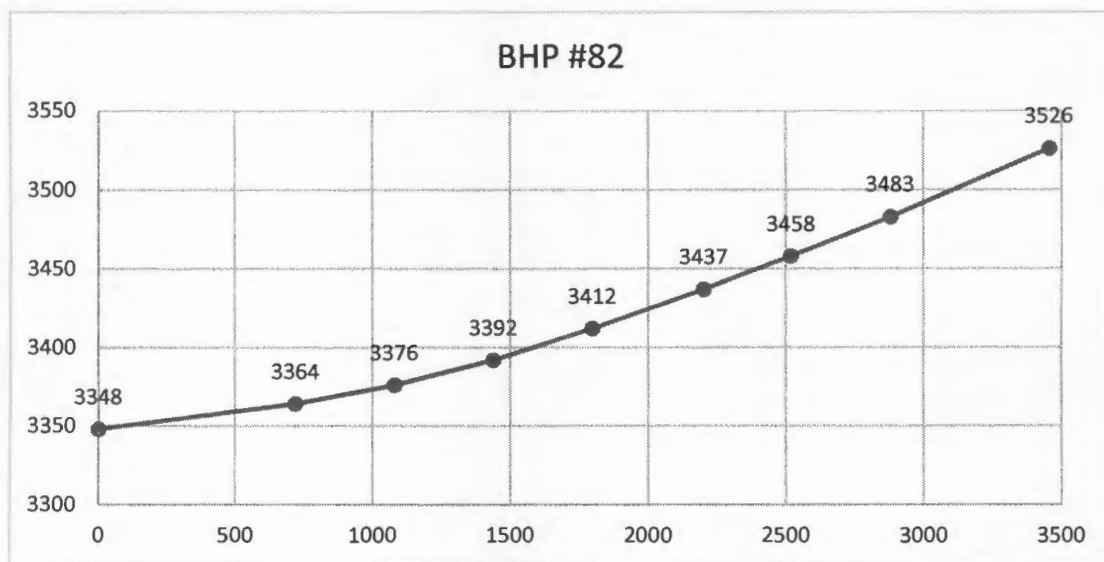
RATE VS. PRESSURE





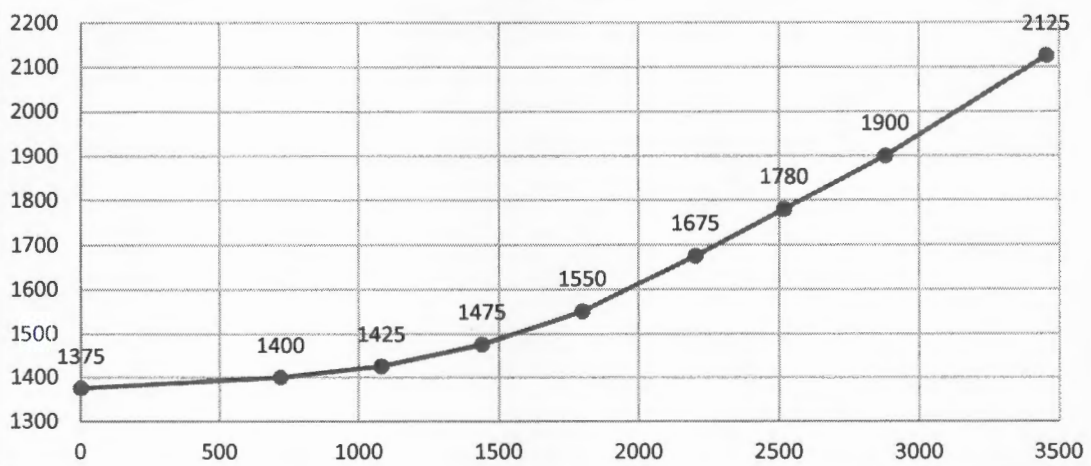
CVU#82

RATE	SURFACE	RATE	BHP
0	1375	0	3348
720	1400	720	3364
1080	1425	1080	3376
1440	1475	1440	3392
1800	1550	1800	3412
2203	1675	2203	3437
2520	1780	2520	3458
2880	1900	2880	3483
3456	2125	3456	3526



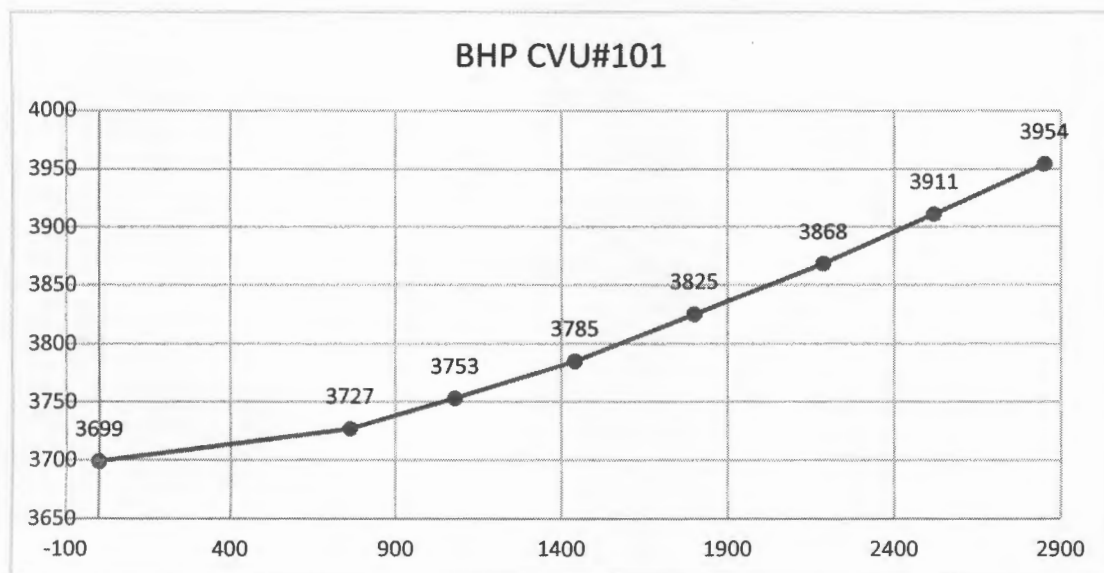


SURFACE #82

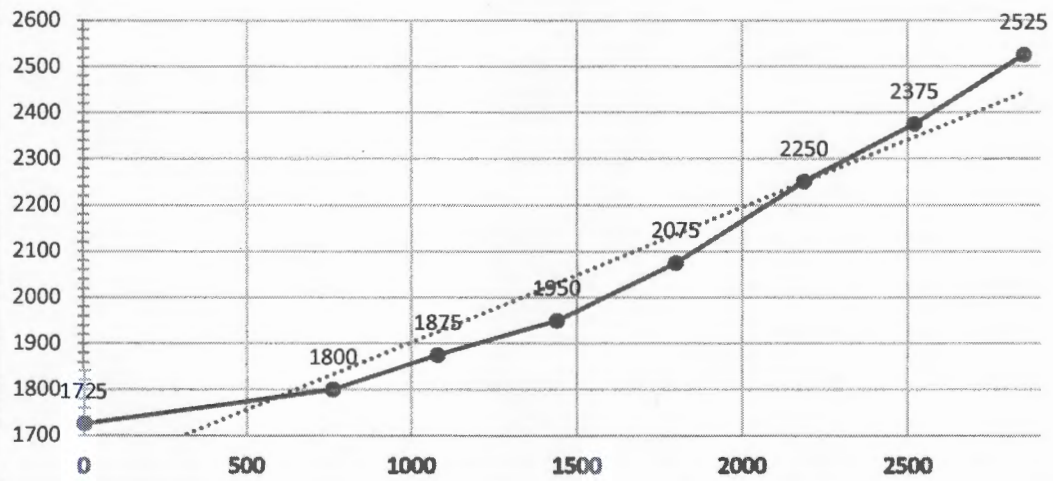


# CVU #101

rate	surface	rate	BHP
0	1725	0	3699
763	1800	763	3727
1080	1875	1080	3753
1440	1950	1440	3785
1800	2075	1800	3825
2188	2250	2188	3868
2520	2375	2520	3911
2851	2525	2851	3954

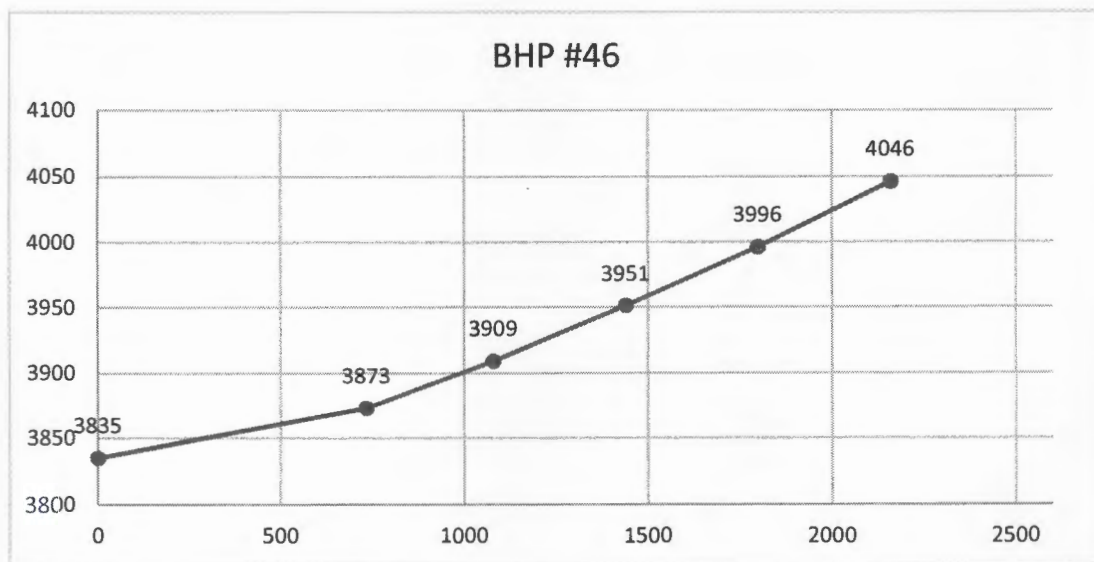


surface CVU#101



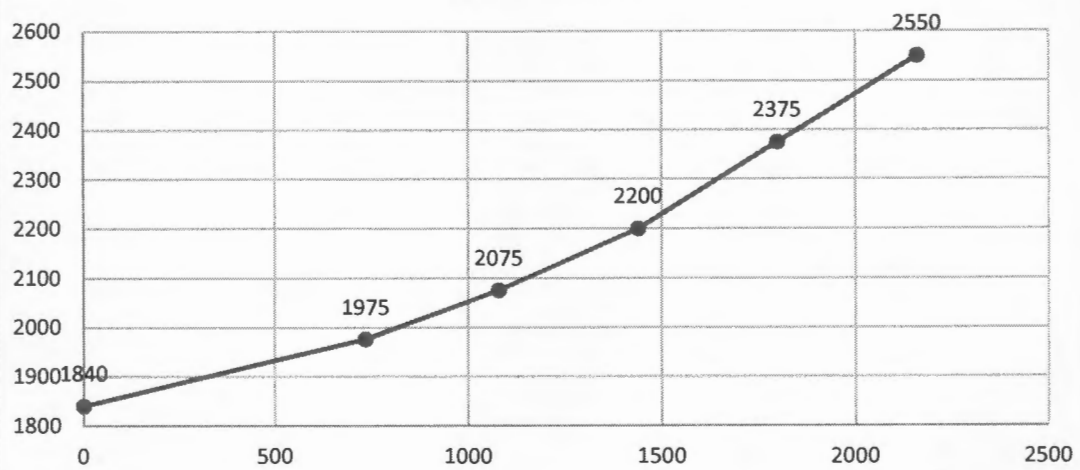
CVU#46

RATE	SURFACE	RATE	BHP
0	1840	0	3835
734	1975	734	3873
1080	2075	1080	3909
1440	2200	1440	3951
1800	2375	1800	3996
2160	2550	2160	4046





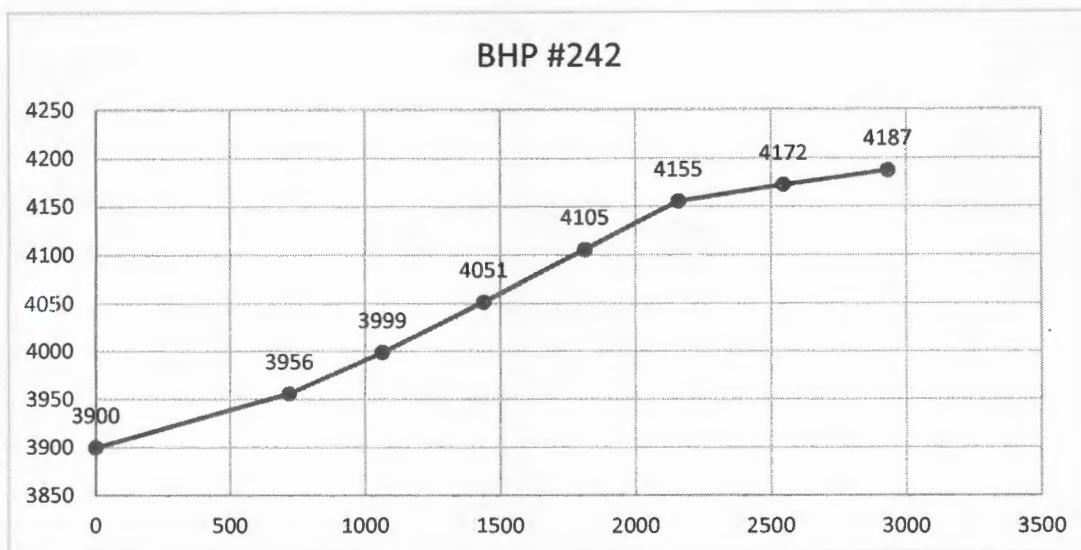
SURFACE #46



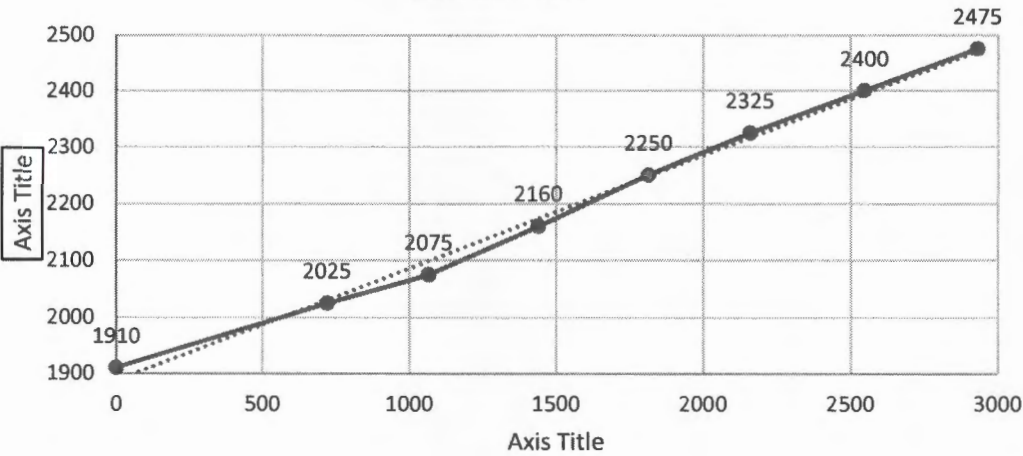
cvu #242

rate	surface
0	1910
720	2025
1065	2075
1440	2160
1814	2250
2160	2325
2548	2400
2932	2475

rate	BHP
0	3900
720	3956
1065	3999
1440	4051
1814	4105
2160	4155
2548	4172
2932	4187

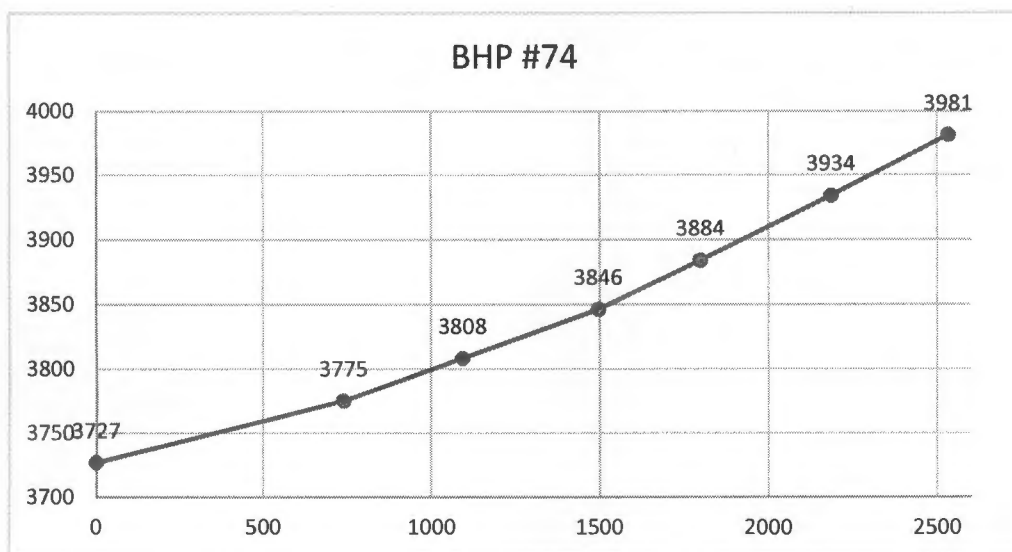


surface #242

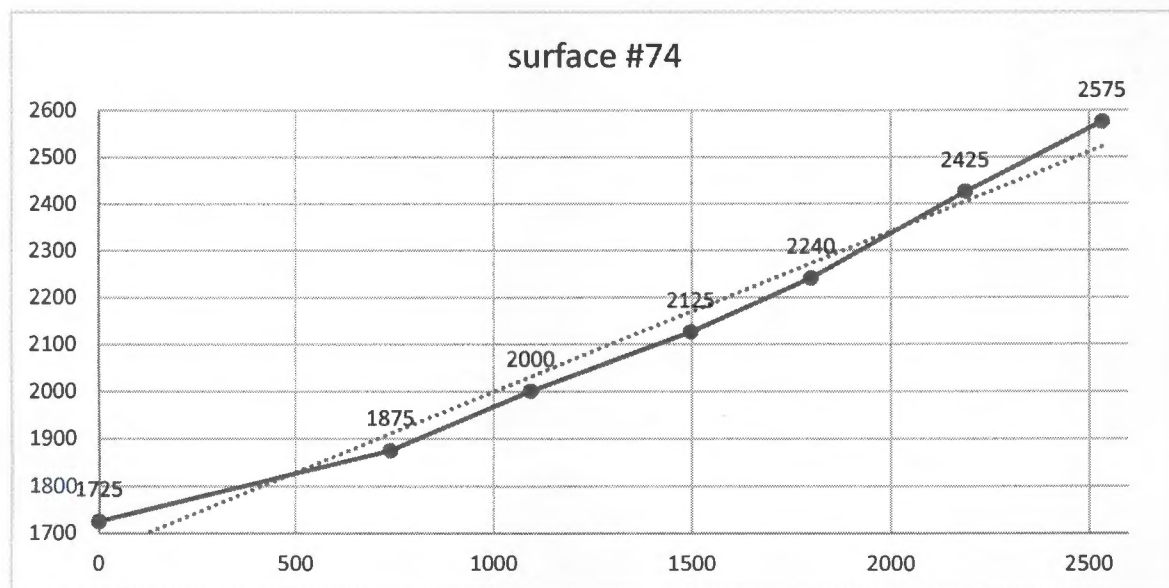


# CVU #74

rate	surface	rate	BHP
0	1725	0	3727
740	1875	740	3775
1094	2000	1094	3808
1497	2125	1497	3846
1800	2240	1800	3884
2188	2425	2188	3934
2534	2575	2534	3981







## McMillan, Michael, EMNRD

**From:** Adebare, Adedeji Adebola <Deji.Adebare@chevron.com>  
**Sent:** Monday, July 13, 2015 11:36 AM  
**To:** McMillan, Michael, EMNRD  
**Subject:** RE: IPI Admin NMOCD application

Yes, water injection only.

Thanks

Deji

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**From:** McMillan, Michael, EMNRD [mailto:Michael.McMillan@state.nm.us]  
**Sent:** Friday, July 10, 2015 8:56 AM  
**To:** Adebare, Adedeji Adebola  
**Subject:** RE: IPI Admin NMOCD application

Is your application for water injection only? Because some of these wells in the past have been for water and CO<sub>2</sub>.  
Mike

---

**From:** Adebare, Adedeji Adebola [mailto:Deji.Adebare@chevron.com]  
**Sent:** Thursday, July 09, 2015 2:05 PM  
**To:** McMillan, Michael, EMNRD  
**Subject:** RE: IPI Admin NMOCD application

Here are the requested data for all the wells. Also attached are the results from the SRTs

Nos	Well Name	Expected Rate, bwpd	Expected Pressure, Psi	Pressure	Gradient
1	CVU 46	2500	2500	2400	.55
2	CVU 74	2500	2500	2400	.54
3	CVU 82	3400	2100	2050	.47
4	CVU 84	2400	2350	2300	.53
5	CVU 101	2500	2500	2400	.56
6	CVU 242	2300	2350	2250	.53
7	CVU 145	2500	2600		
8	CVU 271	1100	2300		
9	CVU 194	2900	2400		

Thanks

Deji Adebare

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**From:** McMillan, Michael, EMNRD [mailto:Michael.McMillan@state.nm.us]  
**Sent:** Thursday, July 09, 2015 2:40 PM  
**To:** Adebare, Adedeji Adebola  
**Subject:** RE: IPI Admin NMOCD application