

DATE IN 8/17/2015	SUSPENSE	ENGINEER	LOGGED IN 8/25/2015	TYPE IPI	APP NO. DMAH1525753453
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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 08/13/15  
 Print or Type Name Signature Title Date  
 Leaked@Chevron.com  
 e-mail Address

2375  
1.546

Submit 1 Copy To Appropriate District  
Office  
District I - (505) 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 30-025-25819
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other INJECTOR <input type="checkbox"/>		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 1310 feet from NORTH line and 1230 feet from the EAST line Section 31 Township 17S Range 35E NMPM County LEA		8. Well Number 061
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.

EXPECTED RATE, BWPD - 2300  
EXPECTED PRESSURE, PSI - 2500

*water only*

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 08/13/2015

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 # 61**

June 26, 2015

## JOB INFORMATION SHEET

Company Information	
Company Name:	CHEVRON
Address:	1500 LOUISIANA STREET HOUSTON, TX 77002
Well Information	
Well Name:	CENTRAL VACUUM UNIT # 61
Field - Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP RATE TEST
Gauge Depth:	4320'
Production Interval:	4352'-4712'
Production Through:	TUBING
Tubing Pressure:	2550 psi
Casing Pressure:	0 psi
Shut In Time	11:45 AM
Status:	SHUT-IN
Temperature @ Run Depth	90.14 degF
Surface Temperature:	84.04 degF
Comments	
NO FRAC WAS ACHIEVED	

ARCHER WIRELINE

CHEVRON

## WELL INFORMATION SHEET

Well:	CENTRAL VACUUM UNIT # 61	Unique Well Identifier:	30-025-25819
Well License:			
Company:	CHEVRON		
Field:	VACUUM		

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

Total Depth:	4320'	ID Borehole:	N/A
Packer Depth:	4276'	ID Production Casing:	4"
Depth of whipstock:	N/S	OD Production Tubing:	2.375"
Depth at which casing is landed:	4800'	ID Production Tubing:	2"
Depth at which tubing is landed:	4276'	ID Drill Pipe:	N/A

ARCHER WIRELINE

## Gradient Data Report

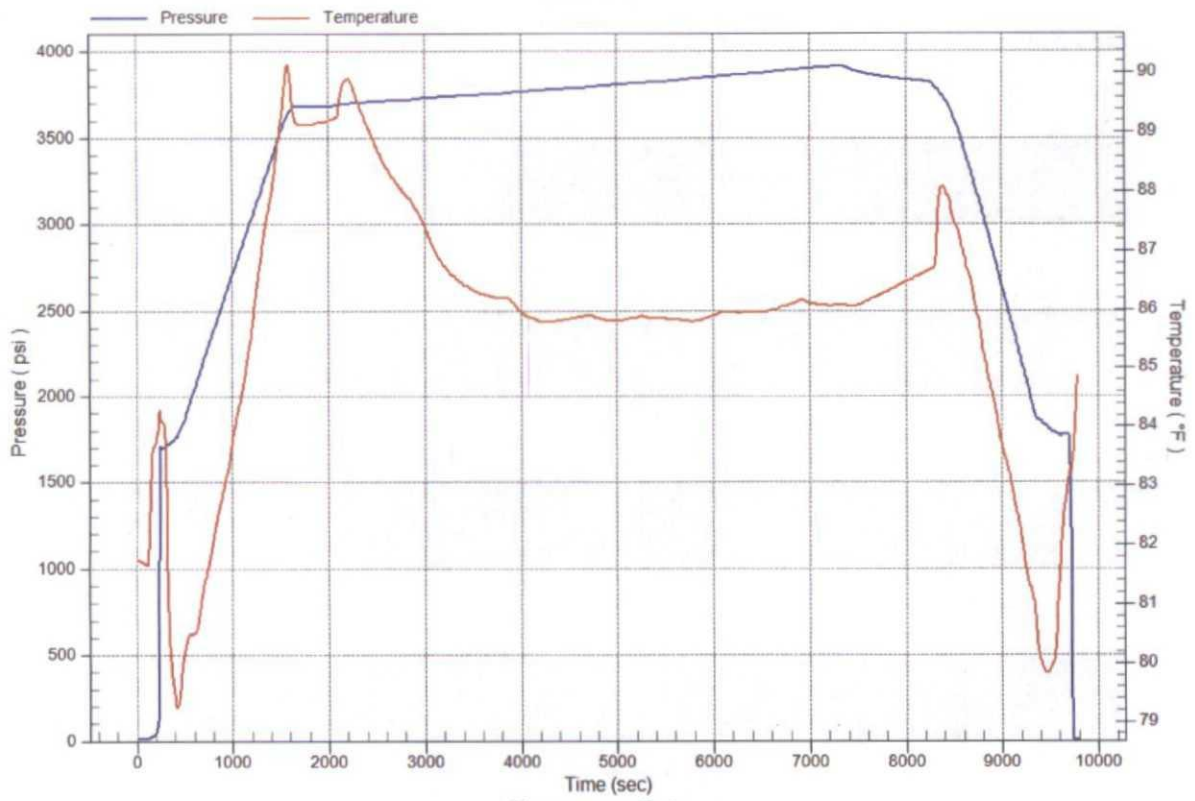
CHEVRON  
CENTRAL VACUUM UNIT # 61

Gradient Data Table

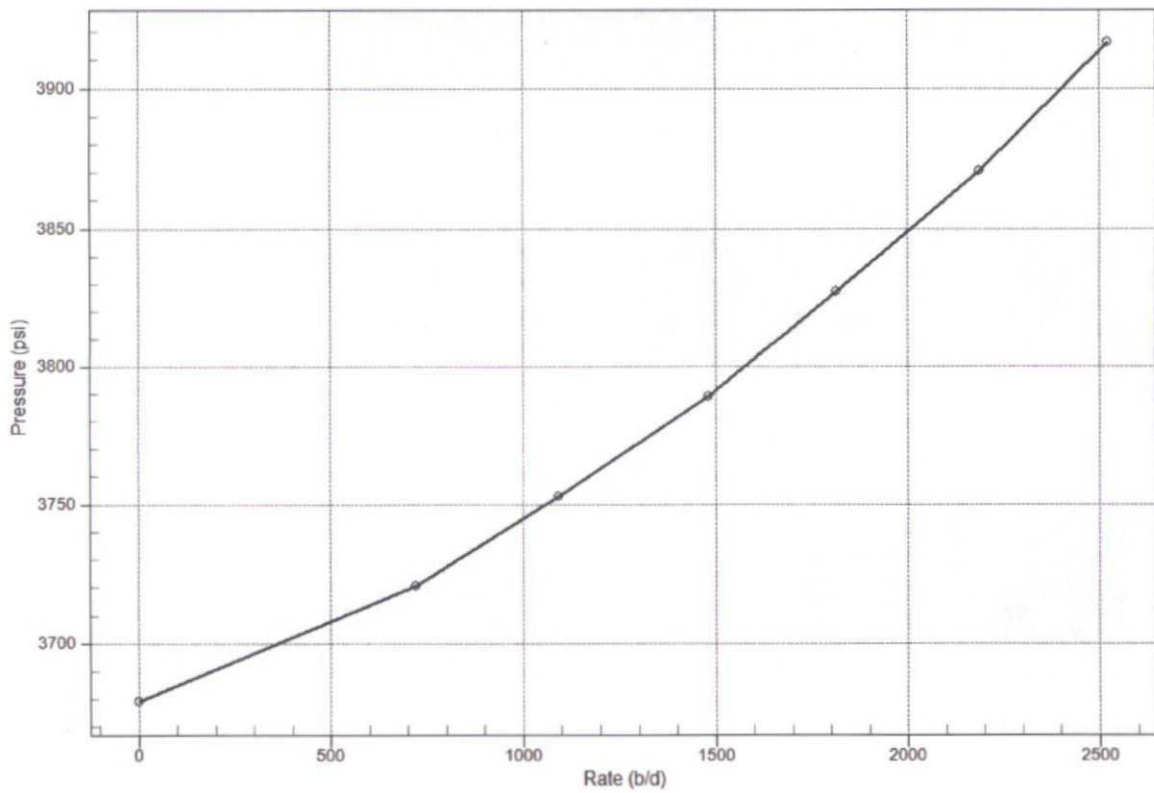
Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	3679.22	89.17	0.0000
720.00	3720.39	87.87	0.0572
1094.00	3753.07	86.21	0.0874
1483.00	3789.18	85.88	0.0928
1814.00	3827.40	85.83	0.1154
2188.00	3870.48	85.95	0.1152
2520.00	3916.16	86.07	0.1376

ARCHER WIRELINE

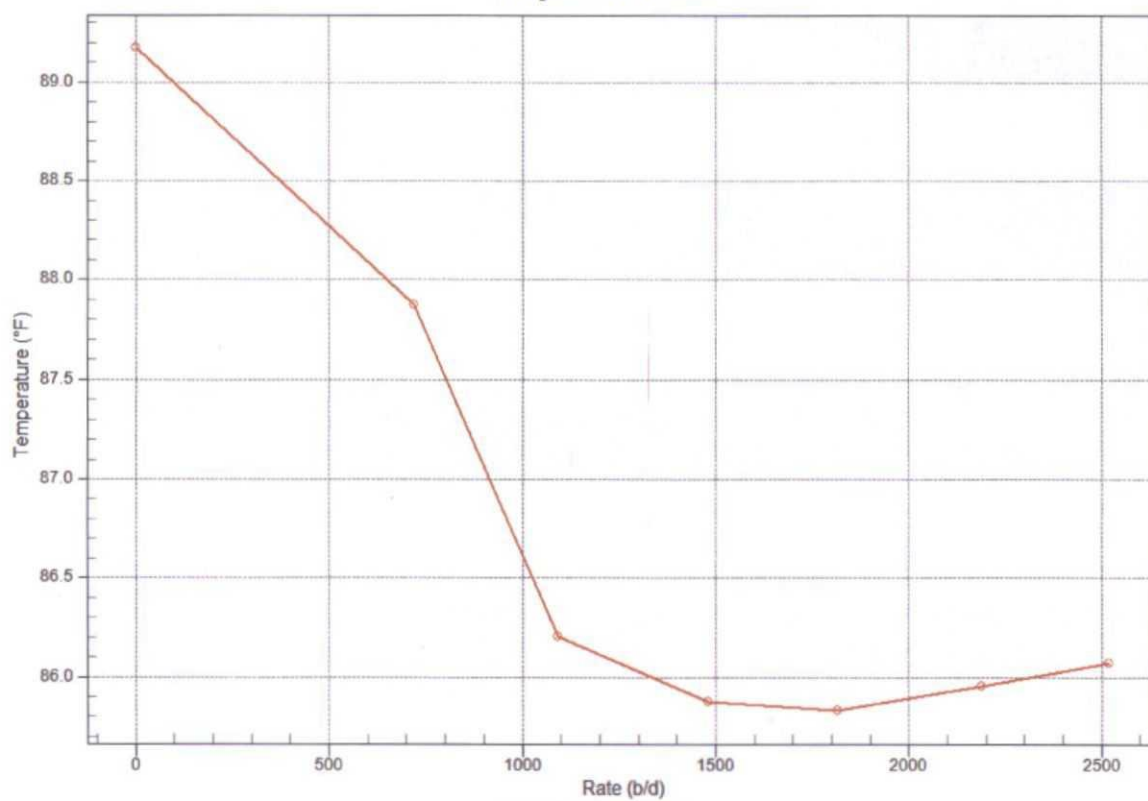
# CVU # 61



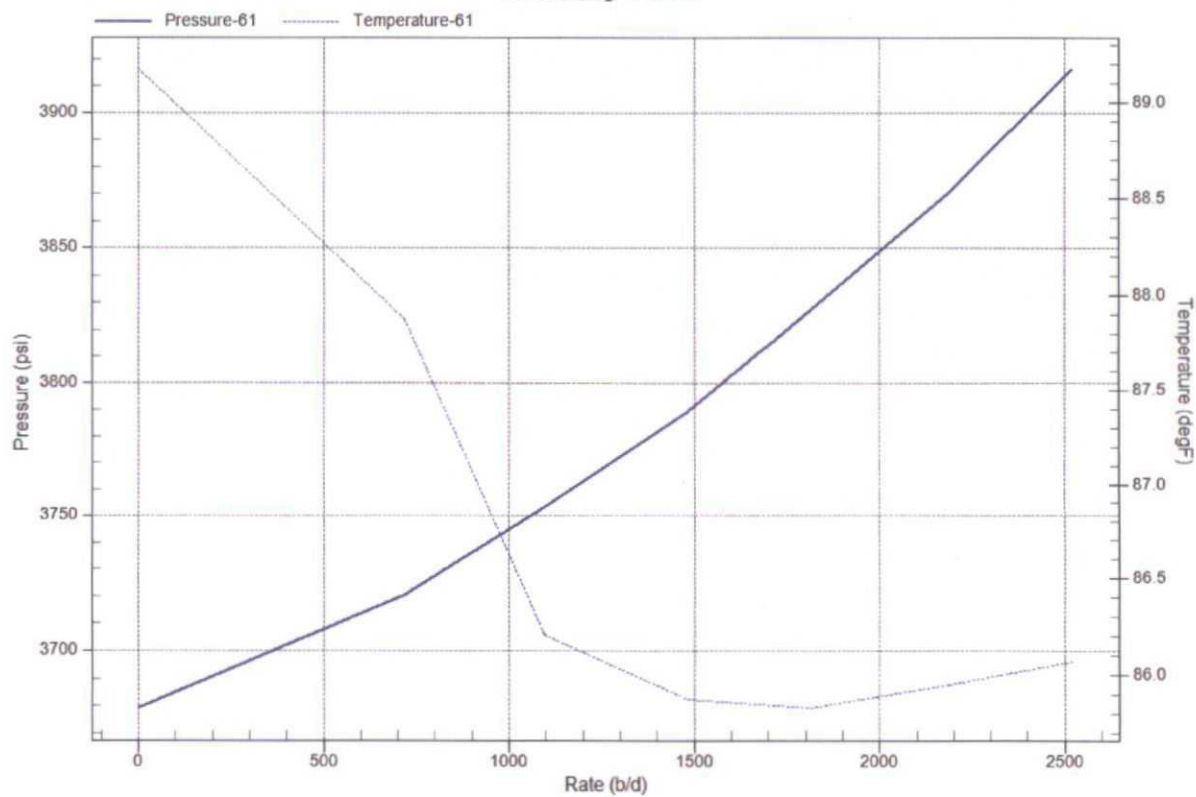
## Pressure vs. Rate



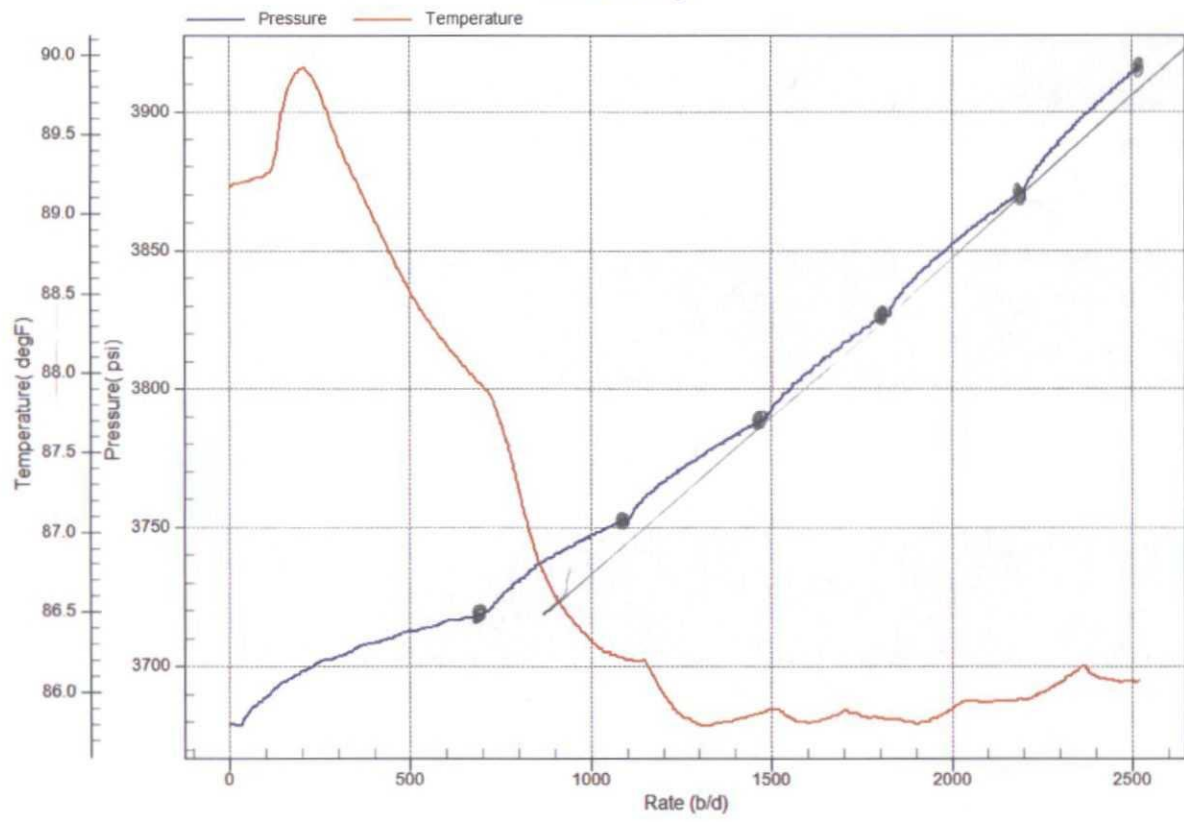
Temperature vs. Rate



Pres/Temp vs Rate



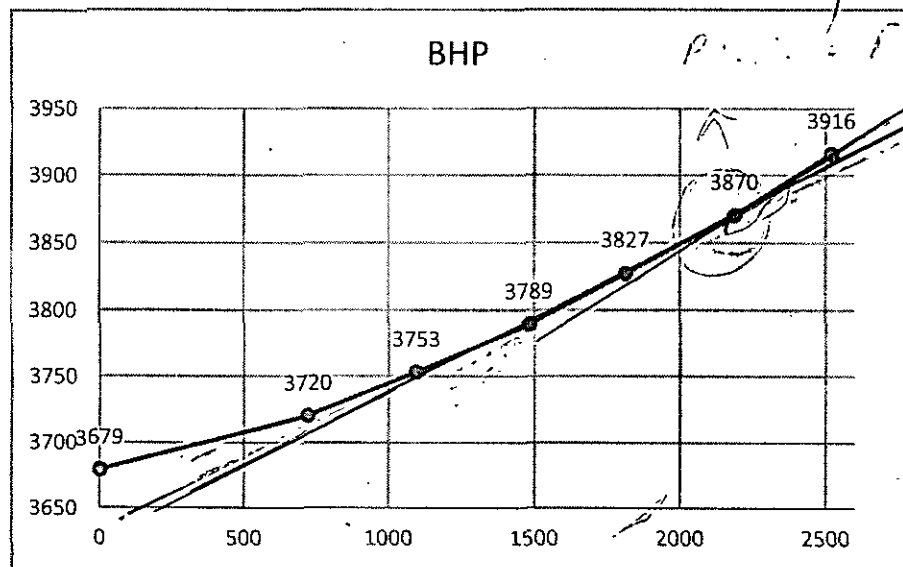
# Pressure Log



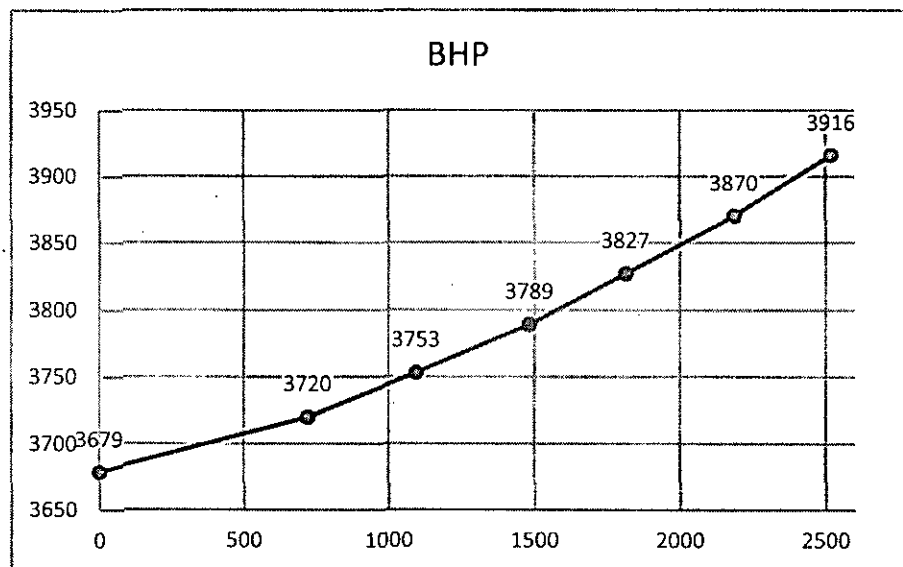


RATE	BHP	SURFACE	TIME
0	3679	1700	0
720	3720	1775	15
1094	3753	1900	15
1483	3789	2050	15
1814	3827	2175	15
2188	3870	2375	15
2520	3916	2550	15

*In line w/ other orders*



RATE	BHP	SURFACE	TIME	GRAD	APPROVE GRADIENT
0	3679	1700	0	0.00	
720	3720	1775	15	0.41	
1094	3753	1900	15	0.44	
1483	3789	2050	15	0.47	
1814	3827	2175	15	0.50	
2188	3870	2375	15	0.55	2325 0.53
2520	3916	2550	15	0.59	



# Archer

## STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	6/26/2015	10:15 AM	3679	1700	
720	6/26/2015	10:30 AM	3720	1775	
1094	6/26/2015	10:45 AM	3753	1900	
1483	6/26/2015	11:00 AM	3789	2050	
1814	6/26/2015	11:15 AM	3827	2175	
2188	6/26/2015	11:30 AM	3870	2375	.546
2520	6/26/2015	11:45 AM	3916	2550	
5 MIN FALL OFF	6/26/2015	11:50 AM	3862	1875	
10 MIN FALL OFF	6/26/2015	11:55 AM	3838	1850	
15 MIN FALL OFF	6/26/2015	12:00 PM	3822	1830	
Company:	CHEVRON			Recorded By:	T. STANCZAK
Well:	CENTRAL VACUUM UNIT # 61			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:	11:45 AM			NO FRAC WAS ACHIEVED	
Total Shut In Time:	15 MIN				
Tubing Size:	2.375"				
Open Hole:	4352'-4712'				
Perforations:	N/A				
Plug Back Depth	4771'				

RATE VS. PRESSURE

