

DATE IN 15/05/2016	SUSPENSE	ENGINEER WVS	LOGGED IN 5/04/2016	TYPE F02 504	APP NO. PMA416 1275866
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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

IPI
Chevron USA, Inc
4323

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, POD
 [F] ☐ Waivers are Attached

RECEIVED COD
 7/15/16 MAY - 5 P 2 22
well
- C VU 429/155/16
30-025-25744
27965
25800
35213
POD
- VAC 44m, GRAY 64m -
SAN Andres
30-025-25714

[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
 Signature

REGULATORY SPECIALIST

05/03/2016

Print or Type Name

Title

Date

leakejd@chevron.com

e-mail Address

CVU #29

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 30-025-25794
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: L 1330 feet from SOUTH line and 1238 feet from the WEST line Section 30 Township 17S Range 35E NMPM County LEA		8. Well Number 029
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. THIS IS FOR WATER ONLY.

EXPECTED RATE, BWPD - 2750
EXPECTED PRESSURE, PSI - 1900

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 05/03/2016
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):

1830
1900 = 0.43

Pressure Survey Report

30-025 -25794
L-30 175 356
1330 S 1238 W
✓ BSAU

CHEVRON

CENTRAL VACUUM UNIT # 29

April 29, 2016

JOB INFORMATION SHEET

Company Information	
Company Name:	CHEVRON
Address:	1500 LOUISIANA STREET HOUSTON, TX 77002
Well Information	
Well Name:	CENTRAL VACUUM UNIT # 29
Field – Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP RATE TEST
Gauge Depth:	4430'
Production Interval:	4460'-4752'
Production Through:	TUBING
Tubing Pressure:	2175 psi
Casing Pressure:	0 psi
Status:	SHUT-IN
Temperature @ Run Depth	86.35 degF
Surface Temperature:	80.18 degF
Comments	
SOFT FRAC @ 3700 BOTTOM HOLE PRESSURE 1940 SURFACE PRESSURE 2880 B/D	

QES WIRELINE

CHEVRON

WELL INFORMATION SHEET

Well:	CENTRAL VACUUM UNIT # 29		
Well License:		Unique Well Identifier:	30-025-25794
Company:	CHEVRON		
Field	VACUUM		

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

Total Depth:	4430'	ID Borehole:	N/A
Packer Depth:	4383'	ID Production Casing:	4"
Depth of whipstock:	N/A	OD Production Tubing:	2.375"
Depth at which casing is landed:	4800'	ID Production Tubing:	1.9"
Depth at which tubing is landed:	4383'	ID Drill Pipe:	N/A

QES WIRELINE

Gradient Data Report

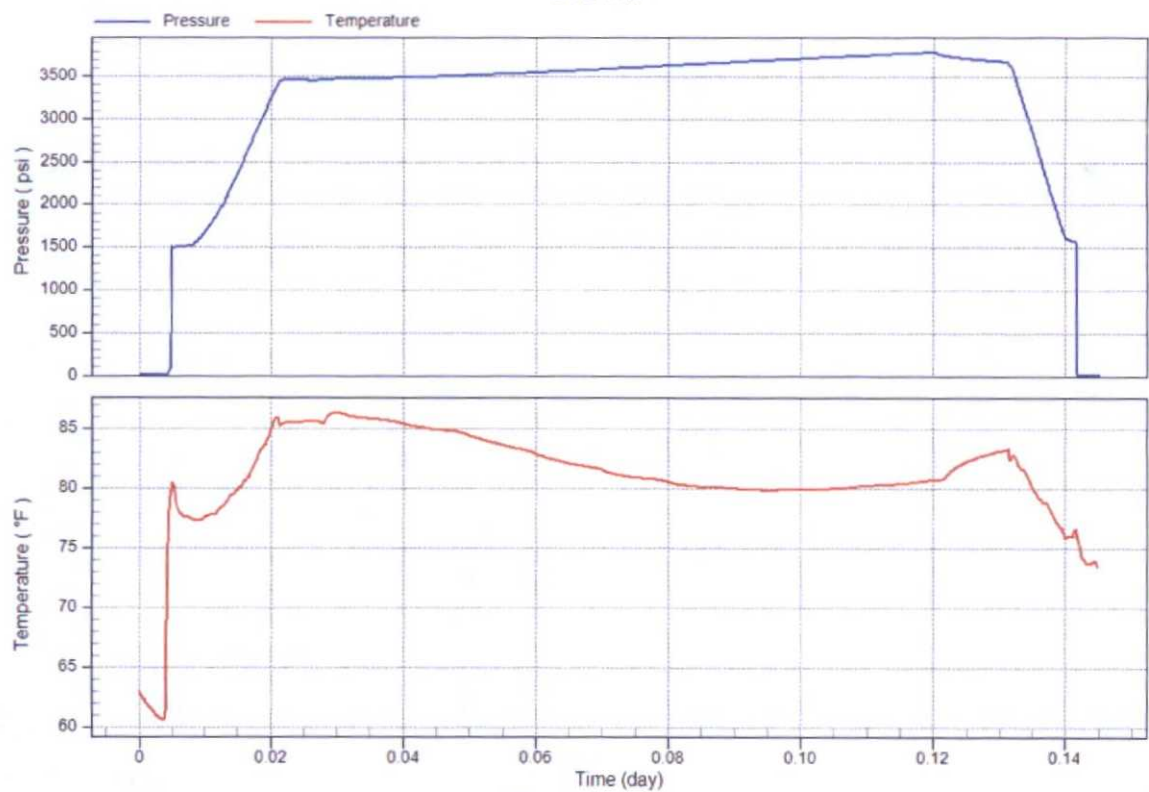
CHEVRON
CENTRAL VACUUM UNIT # 29

Gradient Data Table

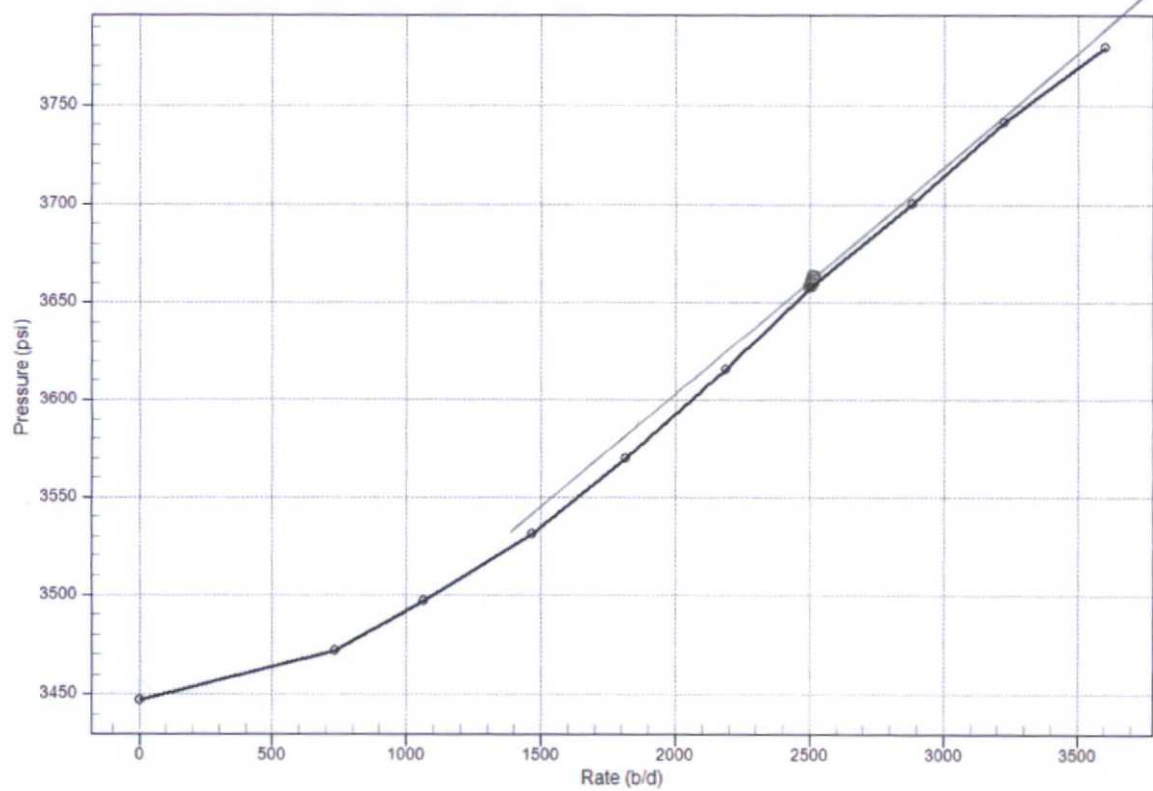
Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	3447.14	85.57	0.0000
734.00	3472.11	85.72	0.0340
1065.00	3496.54	84.78	0.0738
1468.00	3531.40	83.27	0.0865
1814.00	3569.59	81.74	0.1104
2188.00	3615.68	80.73	0.1232
2505.00	3657.77	80.05	0.1328
2880.00	3700.56	79.94	0.1141
3225.00	3741.60	80.23	0.1189
3600.00	3779.49	80.73	0.1010

QES WIRELINE

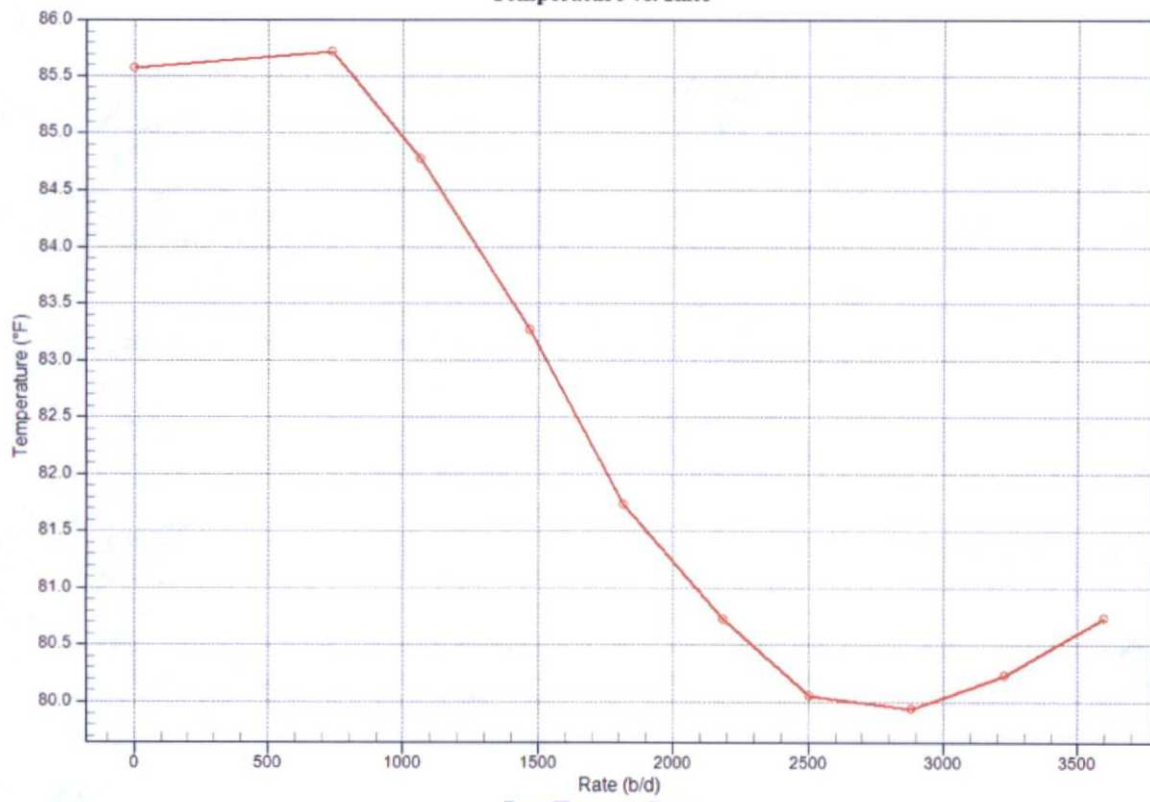
CVU # 29



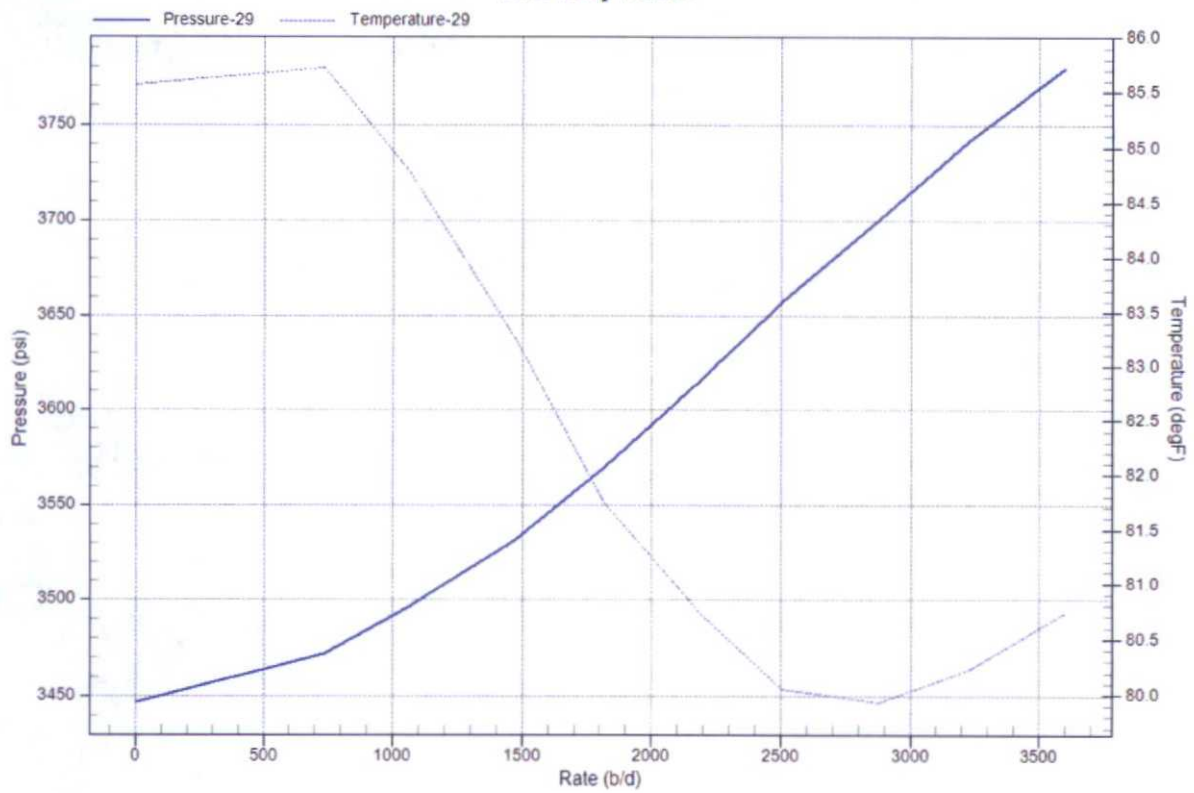
Pressure vs. Rate



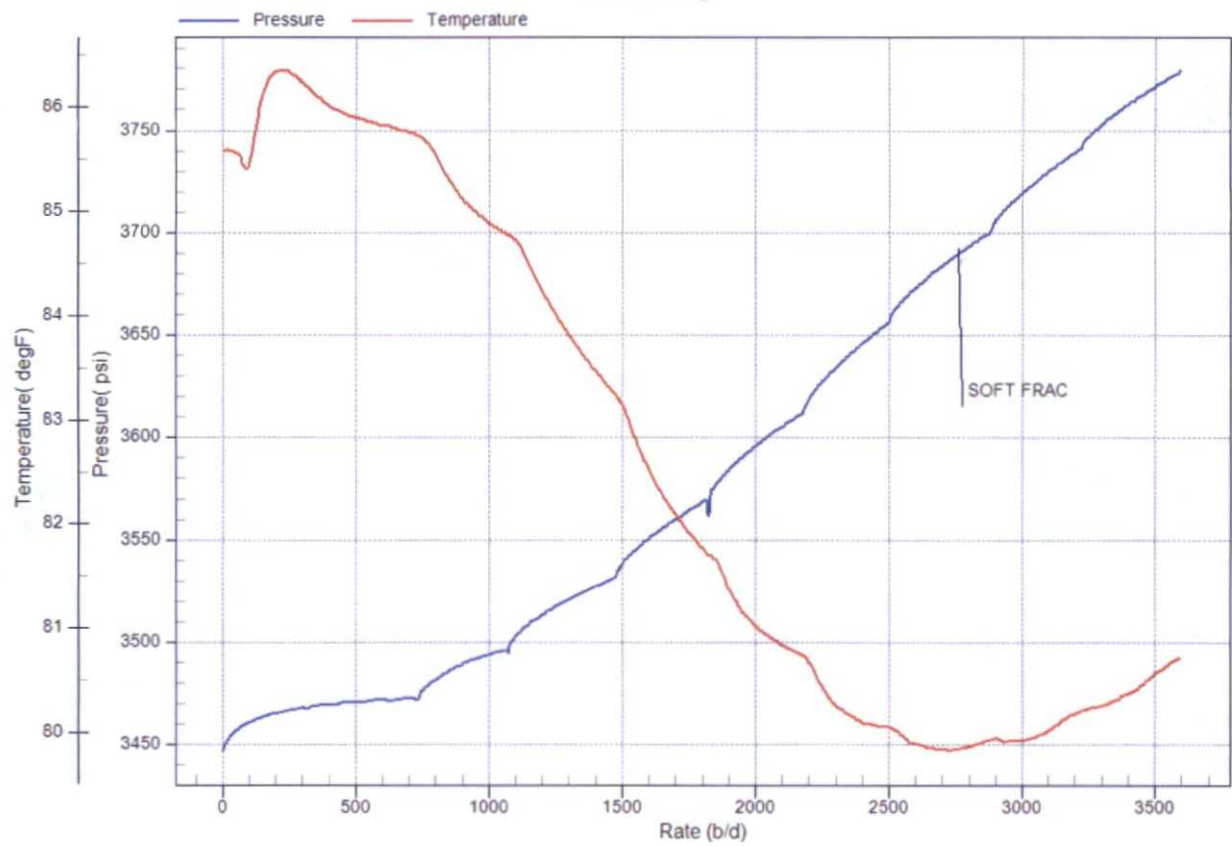
Temperature vs. Rate



Pres/Temp vs Rate



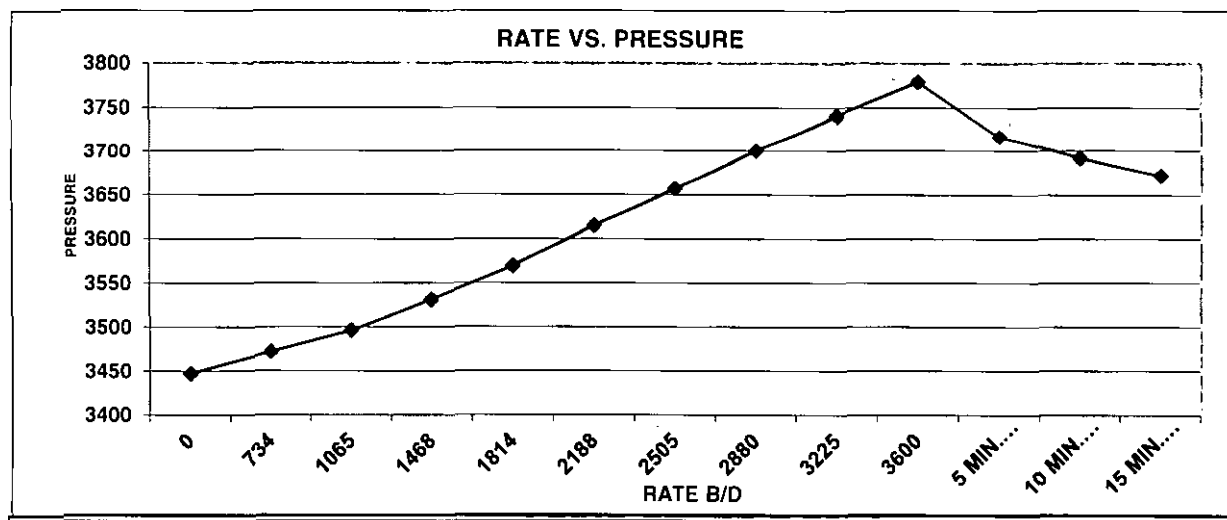
Pressure Log





STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	4/29/2016	8:30 AM	3447	1450	
734	4/29/2016	8:45 AM	3472	1475	
1065	4/29/2016	9:00 AM	3496	1510	
1468	4/29/2016	9:15 AM	3531	1575	
1814	4/29/2016	9:30 AM	3569	1640	
2188	4/29/2016	9:45 AM	3615	1725	
2505	4/29/2016	10:00 AM	3657	1830	
2880	4/29/2016	10:15 AM	3700	1940	SOFT FRAC
3225	4/29/2016	10:30 AM	3741	2050	
3600	4/29/2016	10:45 AM	3779	2175	
5 MIN. FALLOFF	4/29/2016	10:50 AM	3717	1690	
10 MIN. FALLOFF	4/29/2016	10:55 AM	3692	1660	
15 MIN. FALLOFF	4/29/2016	11:00 AM	3672	1640	
Company: CHEVRON USA			Recorded By: T. STANCZAK		
Well: CVU # 29			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 @		
Seat Nipple Depth: N/A			3700 BOTTOM HOLE PRESSURE		
Perforations: 4460'-4752'			1940 SURFACE PRESSURE		
Plug Back Depth: N/A			2800 B/D		



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 30-025-27965
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: I 2580 feet from SOUTH line and 1310 feet from the EAST line Section 25 Township 17S Range 34E NMPM County LEA		8. Well Number 155
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 - 1750
EXPECTED PRESSURE, PSI - 2150

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 05/03/2016

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):

1980 = 0.45

(875 PSI)
PMT-121
11/17/82
P-5530

30-025-27965
1-25 175 34E
2580 S 1310 E

Pressure Survey Report

CHEVRON

CENTRAL VACUUM UNIT # 155

April 20, 2016

JOB INFORMATION SHEET

Company Information	
Company Name:	CHEVRON
Address:	1500 LOUISIANA STREET HOUSTON, TX 77002
Well Information	
Well Name:	CENTRAL VACUUM UNIT # 155
Field – Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP RATE TEST
Gauge Depth:	4200'
Production Interval:	4403'-4721'
Production Through:	TUBING
Tubing Pressure:	2480 psi
Casing Pressure:	0 psi
Status:	SHUT-IN
Temperature @ Run Depth	91.79 degF
Surface Temperature:	71.63 degF
Comments	
SOFT FRAC @ 3864 BOTTOM HOLE PRESSURE 2220 SURFACE PRESSURE 1814 B/D	

QES WIRELINE

CHEVRON

WELL INFORMATION SHEET

Well:	CENTRAL VACUUM UNIT # 155		
Well License:		Unique Well Identifier:	30-025-27965
Company:	CHEVRON		
Field	VACUUM		

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

Total Depth:	4200'	ID Borehole:	N/A
Packer Depth:	4118'	ID Production Casing:	5"
Depth of whipstock:	N/A	OD Production Tubing:	2.375"
Depth at which casing is landed:	4800'	ID Production Tubing:	1.9"
Depth at which tubing is landed:	4118'	ID Drill Pipe:	N/A

QES WIRELINE

Gradient Data Report

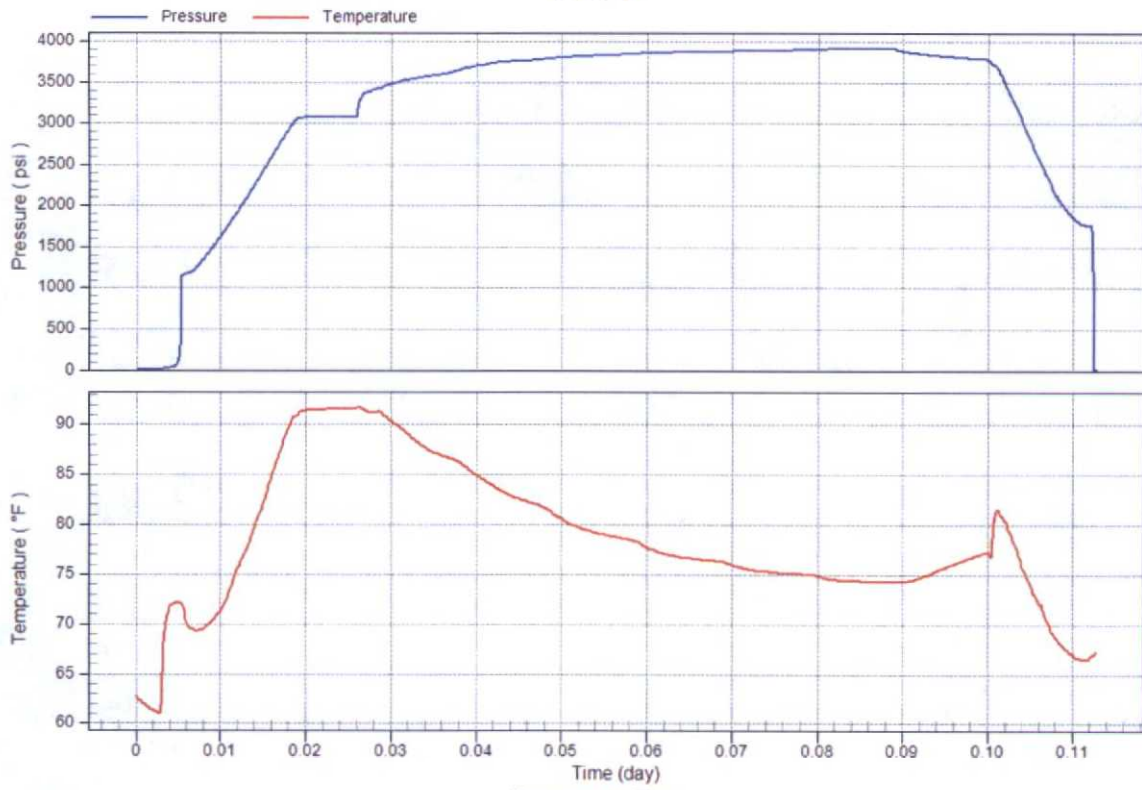
CHEVRON
CENTRAL VACUUM UNIT # 155

Gradient Data Table

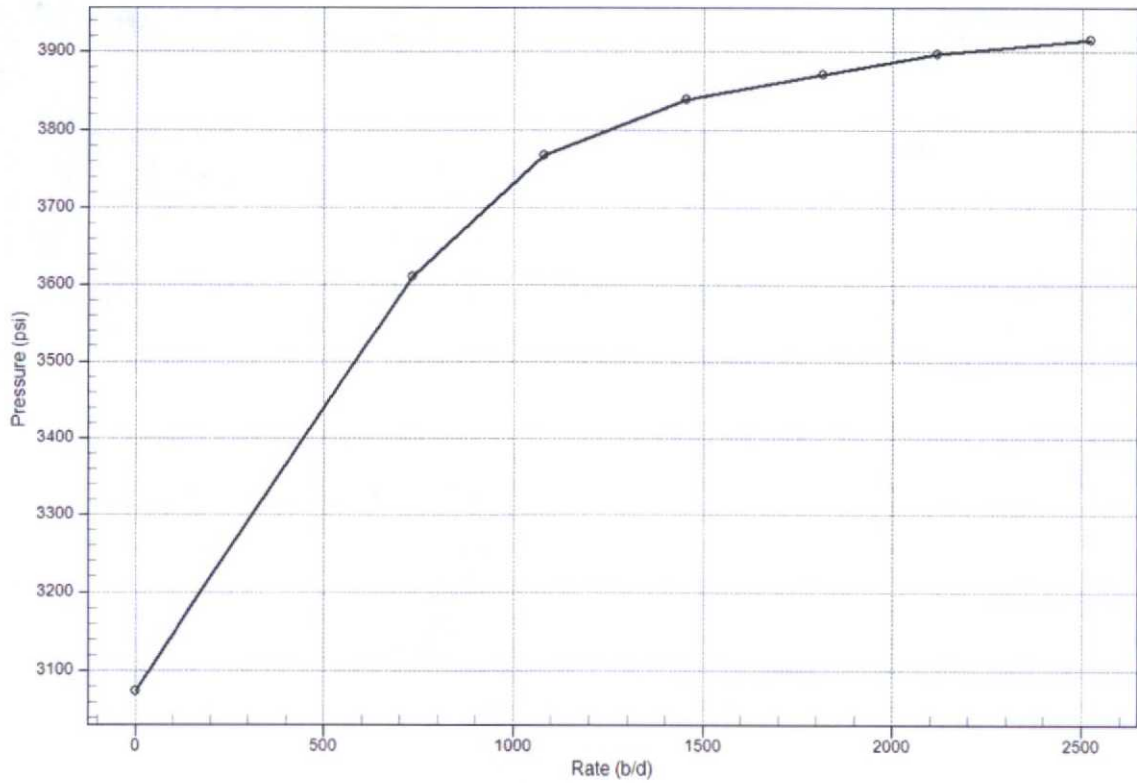
Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	3073.74	91.68	0.0000
734.00	3610.52	86.66	0.7313
1080.00	3767.29	81.99	0.4531
1454.00	3839.28	78.54	0.1925
1814.00	3871.04	76.37	0.0882
2116.00	3897.66	75.05	0.0881
2520.00	3915.64	74.24	0.0445

QES WIRELINE

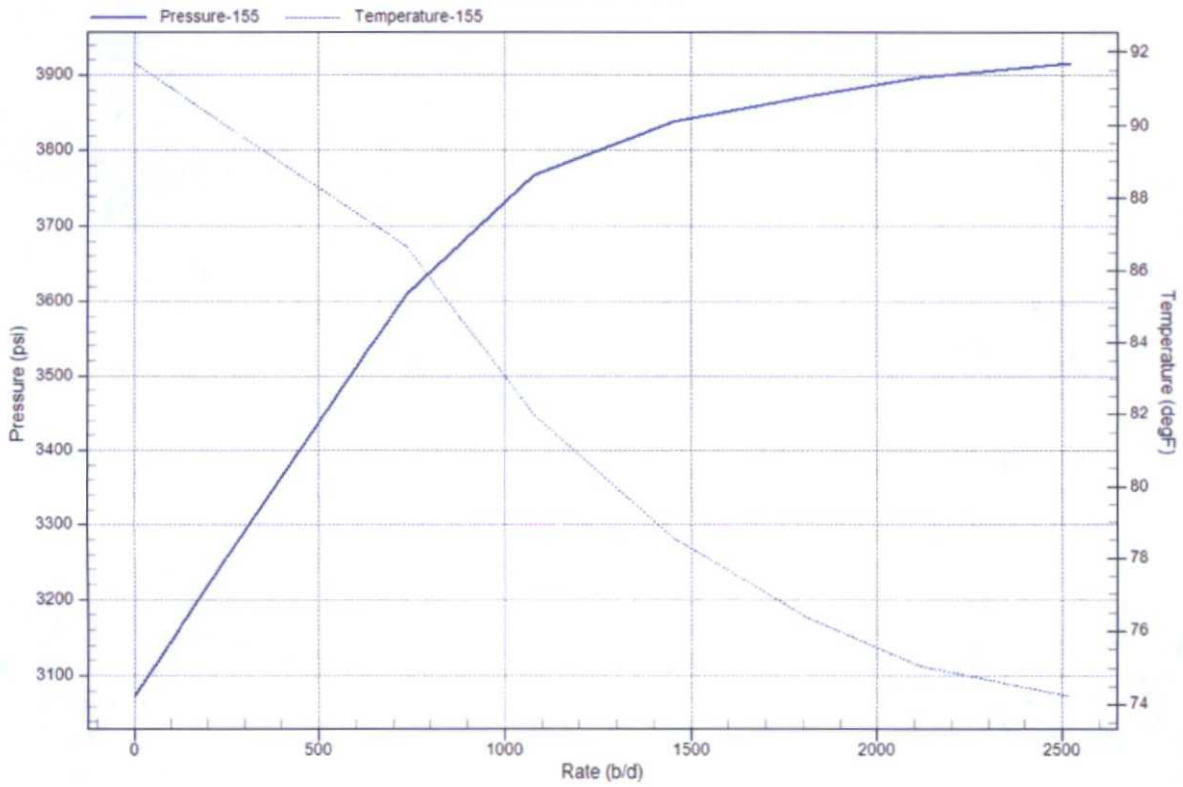
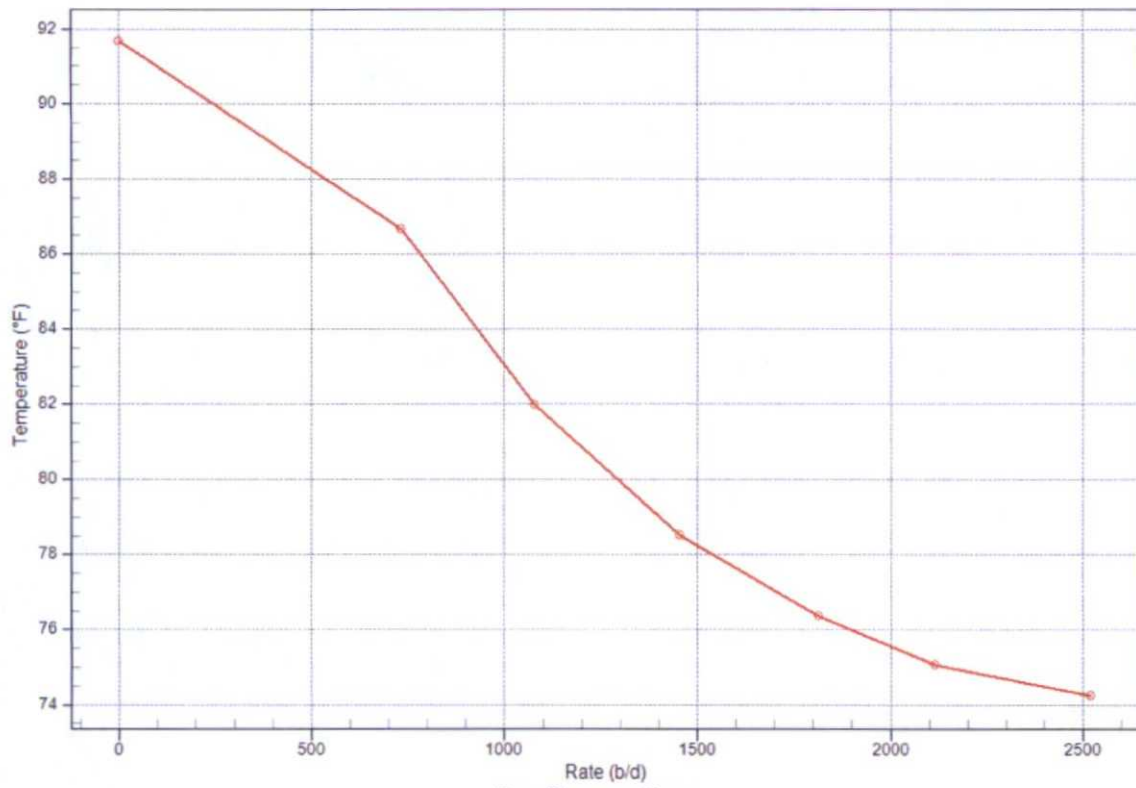
CVU 155

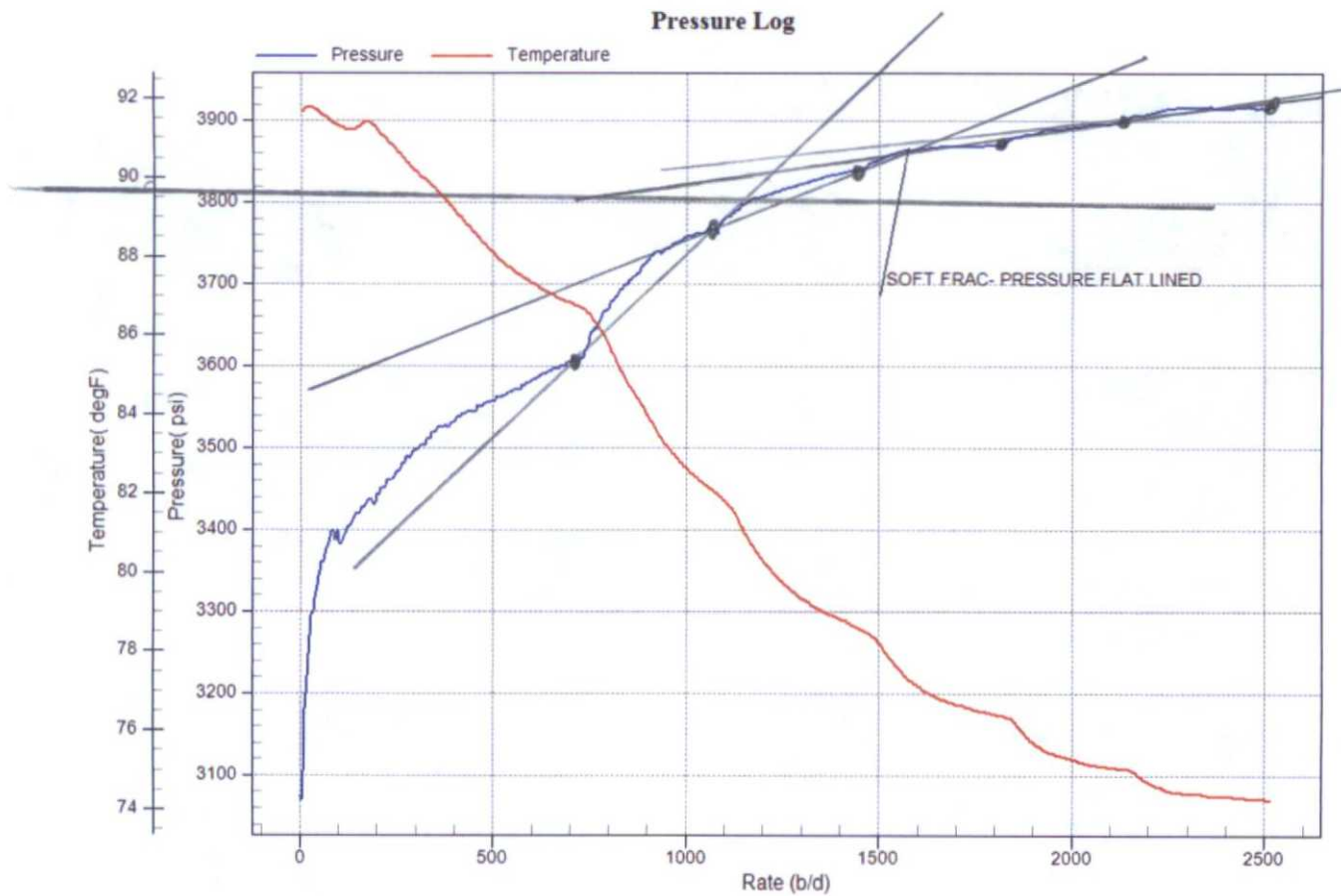


Pressure vs. Rate



Temperature vs. Rate





$$\frac{29}{72} = \frac{\gamma}{170}$$

$$\gamma = 68$$

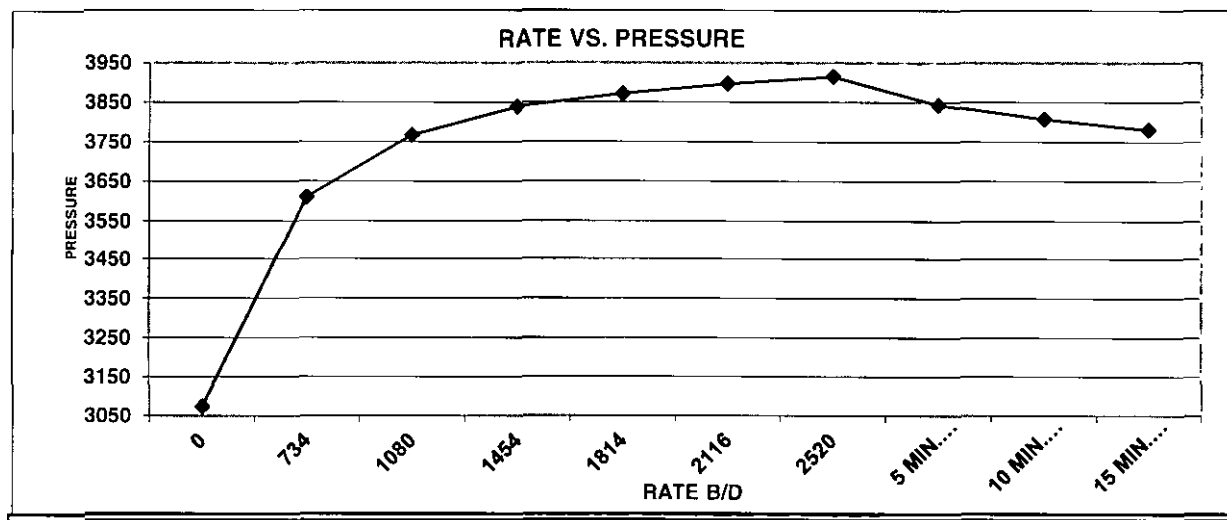
$$2100 - 68 = 2032$$

$$\begin{array}{r} 2032 \\ - 50 \\ \hline 1980 \text{ psi} \end{array}$$



STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	4/20/2016	10:20 AM	3073	1150	
734	4/20/2016	10:35 AM	3610	1720	
1080	4/20/2016	10:50 AM	3767	1930	
1454	4/20/2016	11:05 AM	3839	2100	
1814	4/20/2016	11:20 AM	3871	2240	SOFT FRAC
2116	4/20/2016	11:35 AM	3897	2350	
2520	4/20/2016	11:50 AM	3915	2480	
5 MIN. FALLOFF	4/20/2016	11:55 AM	3843	1910	
10 MIN. FALLOFF	4/20/2016	12:00 PM	3807	1875	
15 MIN. FALLOFF	4/20/2016	12:05 PM	3781	1840	
Company: CHEVRON USA				Recorded By: T. STANCZAK	
Well: CVU # 155				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 @	
Seat Nipple Depth: N/A				3864 BOTTOM HOLE PRESSURE	
Perforations: 4403'-4721'				2220 SURFACE PRESSURE	
Plug Back Depth: N/A				1814 B/D	



Submit 1 Copy To Appropriate District Office
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District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
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Energy, Minerals and Natural Resources

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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 30-025-25800
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: J 1600 feet from SOUTH line and 1500 feet from the EAST line Section 6 Township 18S Range 35E NMPM County LEA		8. Well Number 115
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. THIS IS FOR WATER-ONLY.

EXPECTED RATE, BWPd - 1750
EXPECTED PRESSURE, PSI - 2100

Case 11650 12/19/96
EXH. #12
(1295 PSI - 8/26/94)

9/22/77
R-5530
0.2 X 4560 = 912

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 05/03/2016
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):

2000 = 0.44

30-025-25800
J-6 183 356
1600 S 1500 E

Pressure Survey Report

CHEVRON

CENTRAL VACUUM UNIT # 115

April 27, 2016

JOB INFORMATION SHEET

Company Information	
Company Name:	CHEVRON
Address:	1500 LOUISIANA STREET HOUSTON, TX 77002
Well Information	
Well Name:	CENTRAL VACUUM UNIT # 115
Field – Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP RATE TEST
Gauge Depth:	4360'
Production Interval:	4560'-4705'
Production Through:	TUBING
Tubing Pressure:	2300 psi
Casing Pressure:	0 psi
Status:	SHUT-IN
Temperature @ Run Depth	96.69 degF
Surface Temperature:	71.29 degF
Comments	
HARD FRAC @ 1800 B/D 4018 BOTTOM HOLE PRESSURE 2300 SURFACE PRESSURE	

QES WIRELINE

CHEVRON

WELL INFORMATION SHEET

Well:	CENTRAL VACUUM UNIT # 115		
Well License:		Unique Well Identifier:	30-025-25800
Company:	CHEVRON		
Field	VACUUM		

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

Total Depth:	4360'	ID Borehole:	N/A
Packer Depth:	4337'	ID Production Casing:	4"
Depth of whipstock:	N/A	OD Production Tubing:	2.375"
Depth at which casing is landed:	N/A	ID Production Tubing:	1.9"
Depth at which tubing is landed:	4337	ID Drill Pipe:	N/A

QES WIRELINE

Gradient Data Report

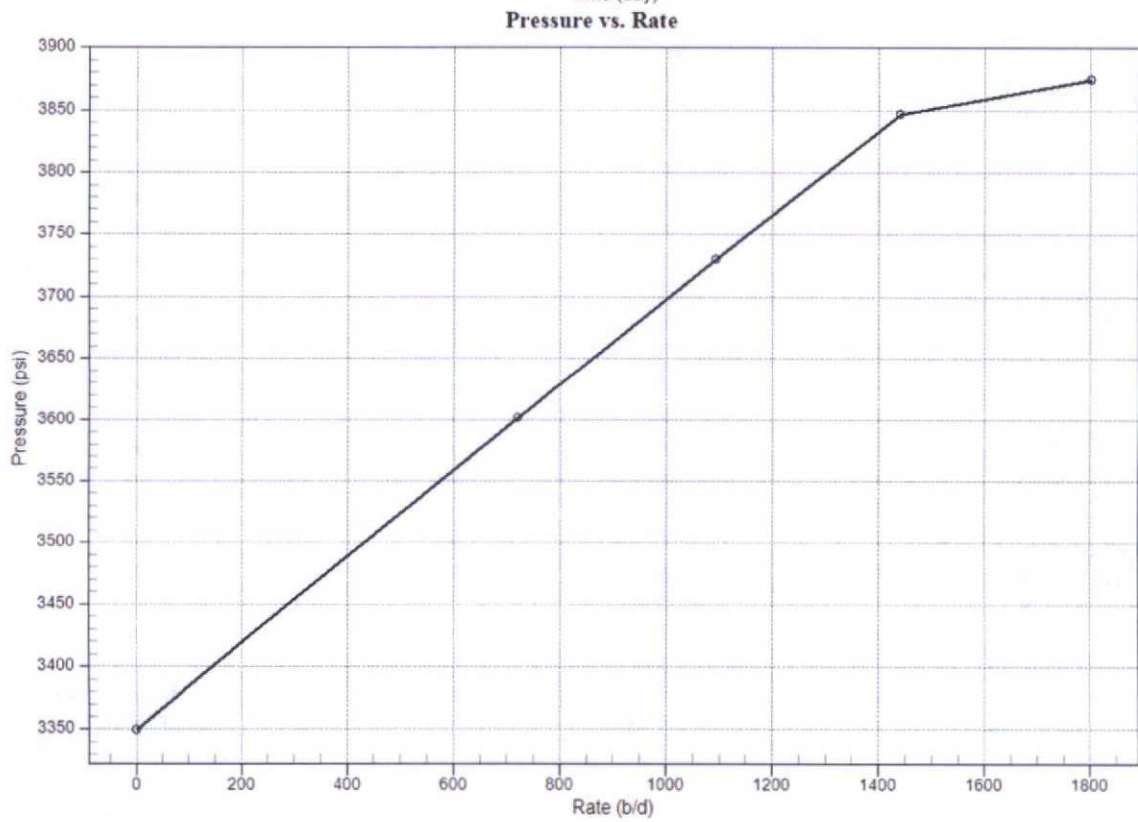
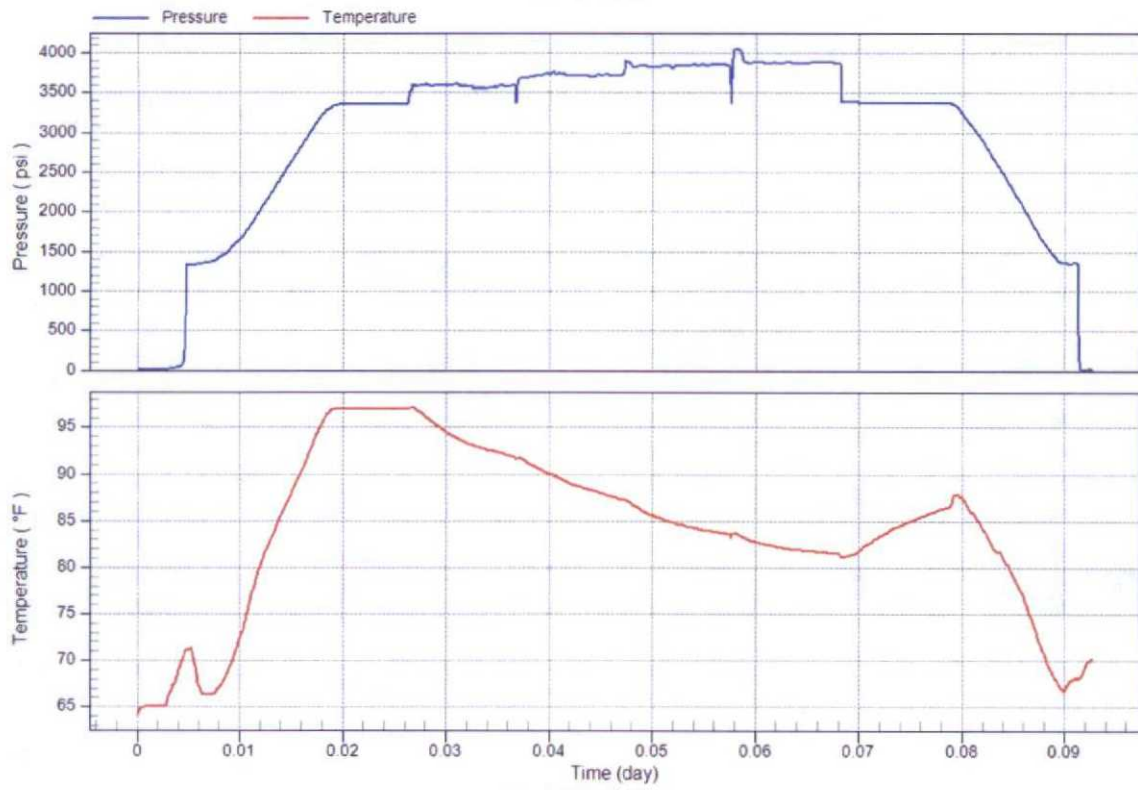
CHEVRON
CENTRAL VACUUM UNIT # 115

Gradient Data Table

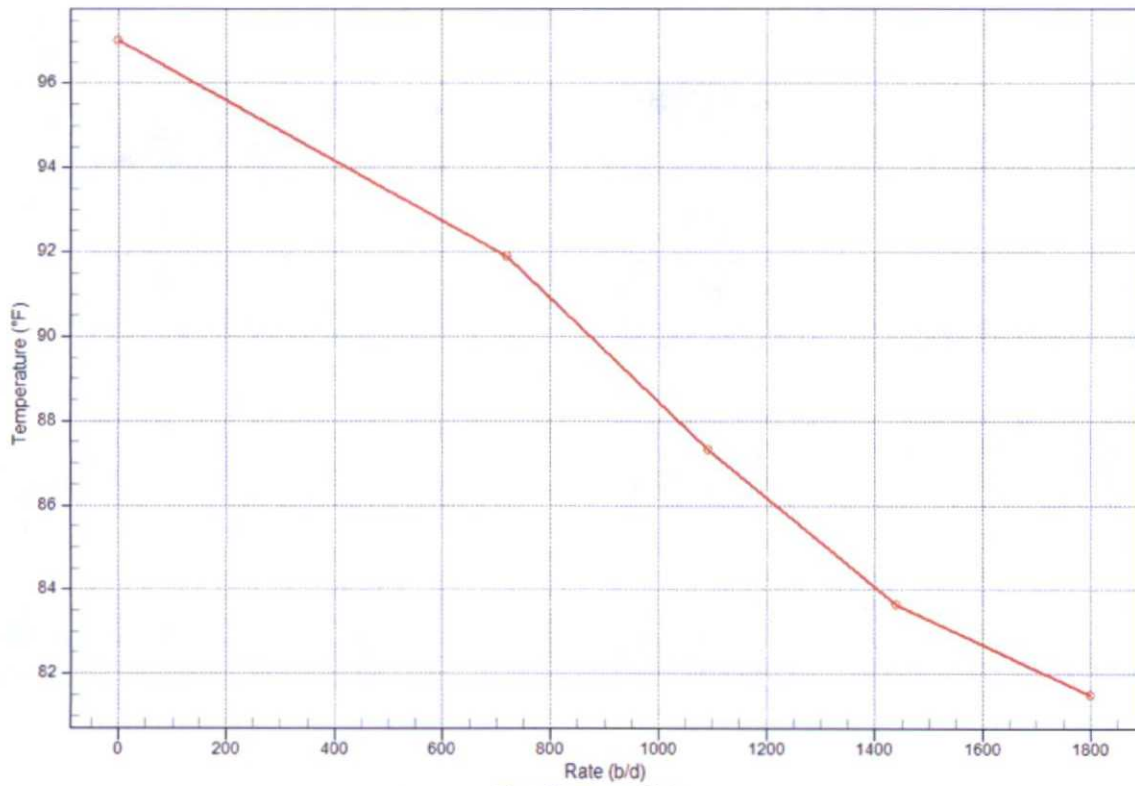
Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	3349.49	97.03	0.0000
720.00	3601.17	91.88	0.3496
1094.00	3730.62	87.31	0.3461
1440.00	3846.33	83.63	0.3344
1800.00	3874.49	81.50	0.0782

QES WIRELINE

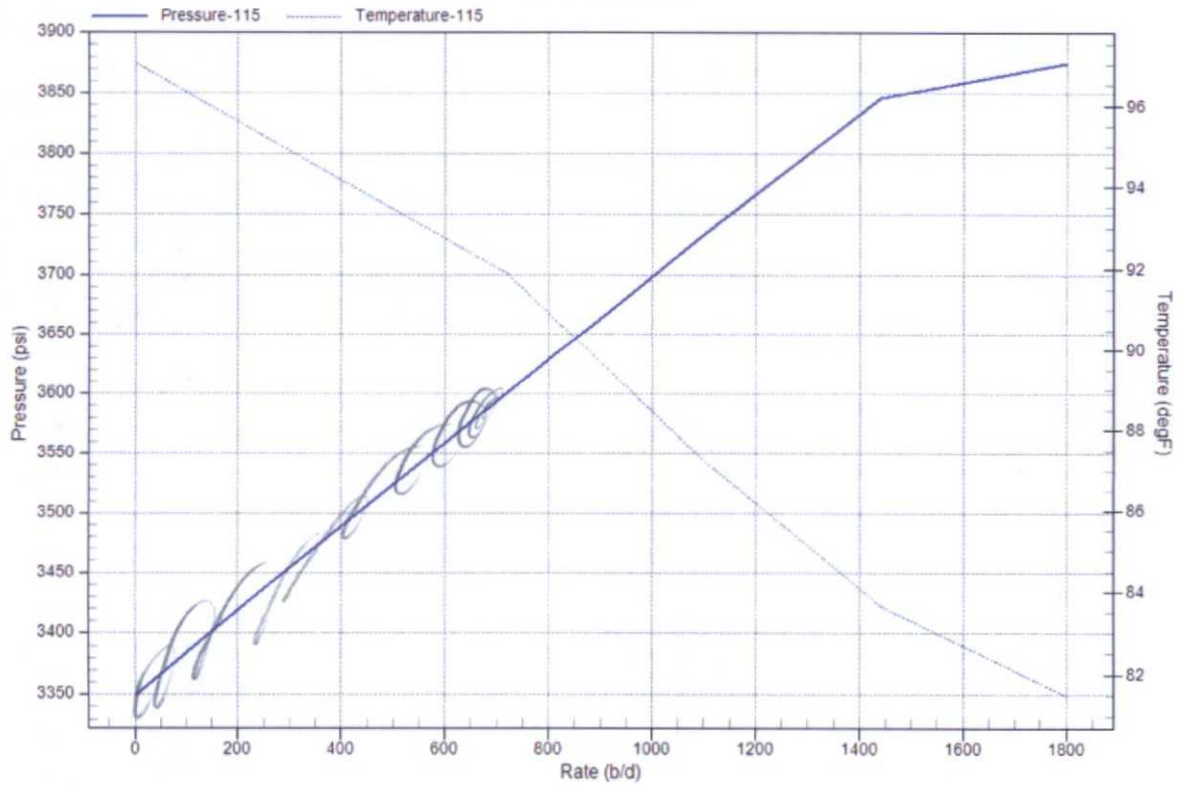
CVU # 115



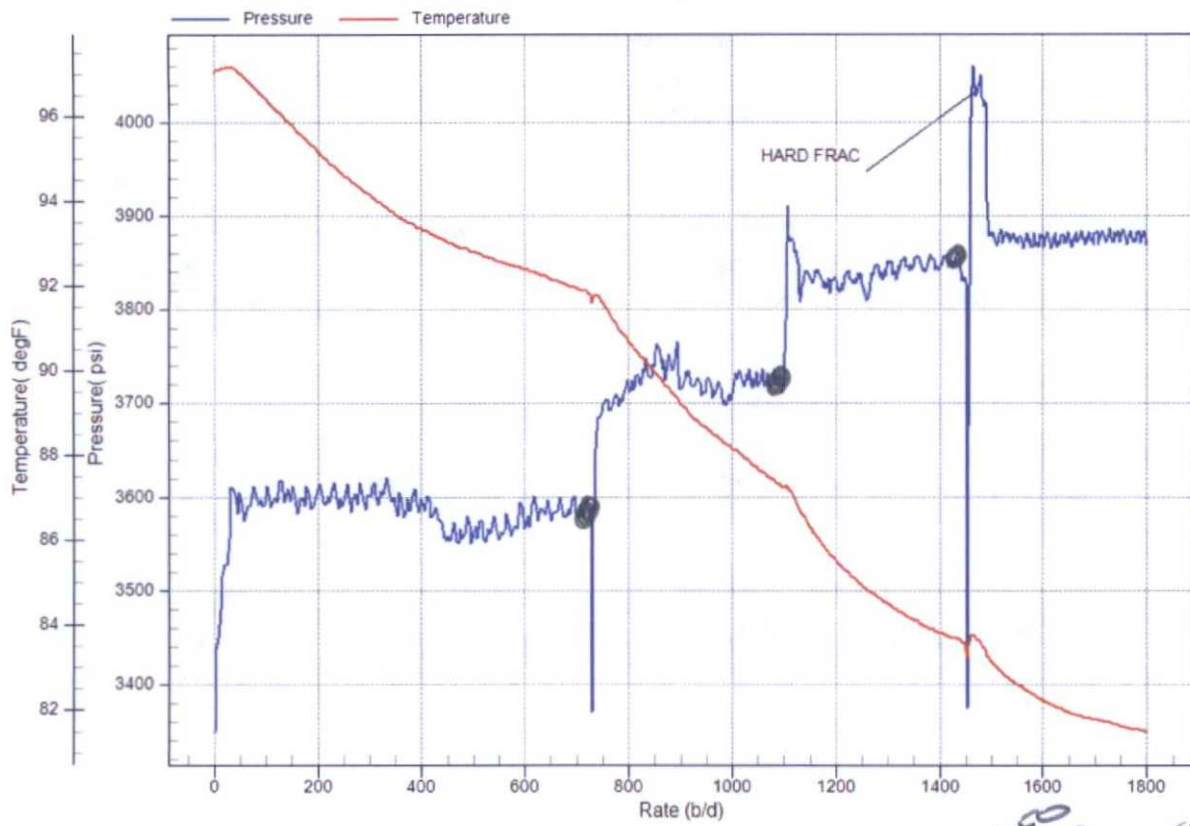
Temperature vs. Rate



Pres/Temp vs Rate



Pressure Log



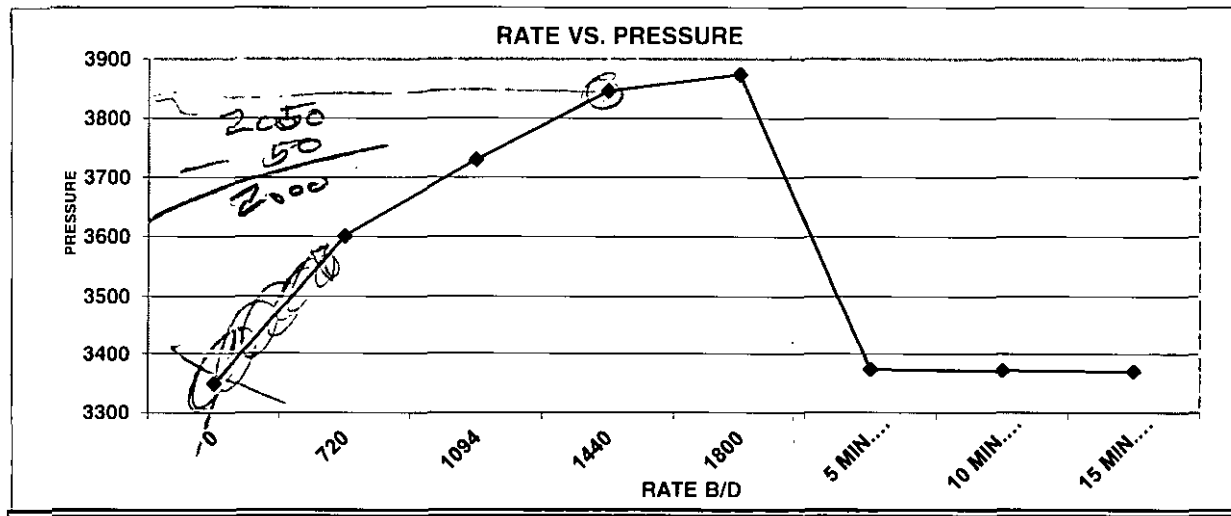
$3850 = 2050$
 $- 50$
2000 psi



QES WIRELINE LLC

STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	4/27/2016	10:05 AM	3349	1330	
374 720	4/27/2016	10:20 AM	3601	1640	
346 1094	4/27/2016	10:35 AM	3730	1860	
360 1440	4/27/2016	10:50 AM	3846	2050	
1800	4/27/2016	11:05 AM	3874	2160	HARD FRAC
5 MIN. FALLOFF	4/27/2016	11:10 AM	3374	1370	
10 MIN. FALLOFF	4/27/2016	11:15 AM	3372	1360	
15 MIN. FALLOFF	4/27/2016	11:20 AM	3370	1355	
Company: CHEVRON USA				Recorded By: T. STANCZAK	
Well: CVU # 115				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"				HARD FRAC @	
Seat Nipple Depth: N/A				4018 BOTTOM HOLE PRESSURE	
Perforations: 4560'-4705'				2300 SURFACE PRESSURE	
Plug Back Depth: N/A				1800 B/D	



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 30-025-35213
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: B 74 feet from NORTH line and 1940 feet from the EAST line Section 36 Township 17S Range 34E NMPM County LEA		8. Well Number 241
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: <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. THIS IS FOR WATER ONLY.

EXPECTED RATE, BWPD - 3000
EXPECTED PRESSURE, PSI - 2400

Spud Date:

Rig Release Date:

Handwritten:
IPI = 155 7/5/01
1500 PSI
water
Pnx-211 (4/17/01)
820 PSI

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

SIGNATURE _____ TITLE REGULATORY SPECIALIST DATE 05/03/2016
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):

Handwritten: 2200 = 0.52

30-025-35213
P-36 17S 34E
74N 194D E

Pressure Survey Report

CHEVRON

CENTRAL VACUUM UNIT # 241H

April 22, 2016

JOB INFORMATION SHEET

Company Information	
Company Name:	CHEVRON
Address:	1500 LOUISIANA STREET HOUSTON, TX 77002
Well Information	
Well Name:	CENTRAL VACUUM UNIT # 155
Field – Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP RATE TEST
Gauge Depth:	4165'
Production Interval:	TWO LATERAL HOLES
Production Through:	TUBING
Tubing Pressure:	2510 psi
Casing Pressure:	0 psi
Status:	SHUT-IN
Temperature @ Run Depth	87.51 degF
Surface Temperature:	77.47 degF
Comments	
SOFT FRAC @ 3324 BOTTOM HOLE PRESSURE 2510 SURFACE PRESSURE 3600 B/D	

QES WIRELINE

CHEVRON

WELL INFORMATION SHEET

Well:	CENTRAL VACUUM UNIT # 241		
Well License:		Unique Well Identifier:	30-025-35213
Company:	CHEVRON		
Field	VACUUM		

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

Total Depth:	4165'	ID Borehole:	N/A
Packer Depth:	4113'	ID Production Casing:	6.4"
Depth of whipstock:	N/A	OD Production Tubing:	2.375"
Depth at which casing is landed:	4850'	ID Production Tubing:	1.9"
Depth at which tubing is landed:	4113'	ID Drill Pipe:	N/A

QES WIRELINE

Gradient Data Report

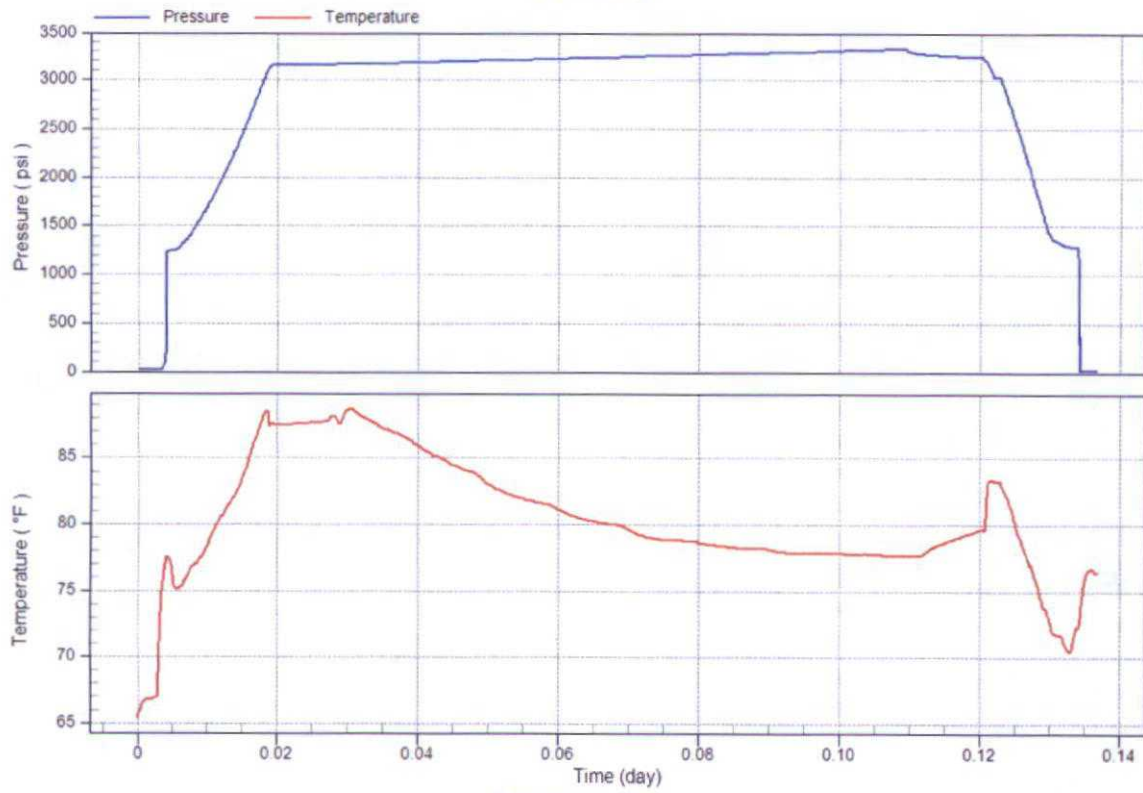
CHEVRON
CENTRAL VACUUM UNIT # 241H

Gradient Data Table

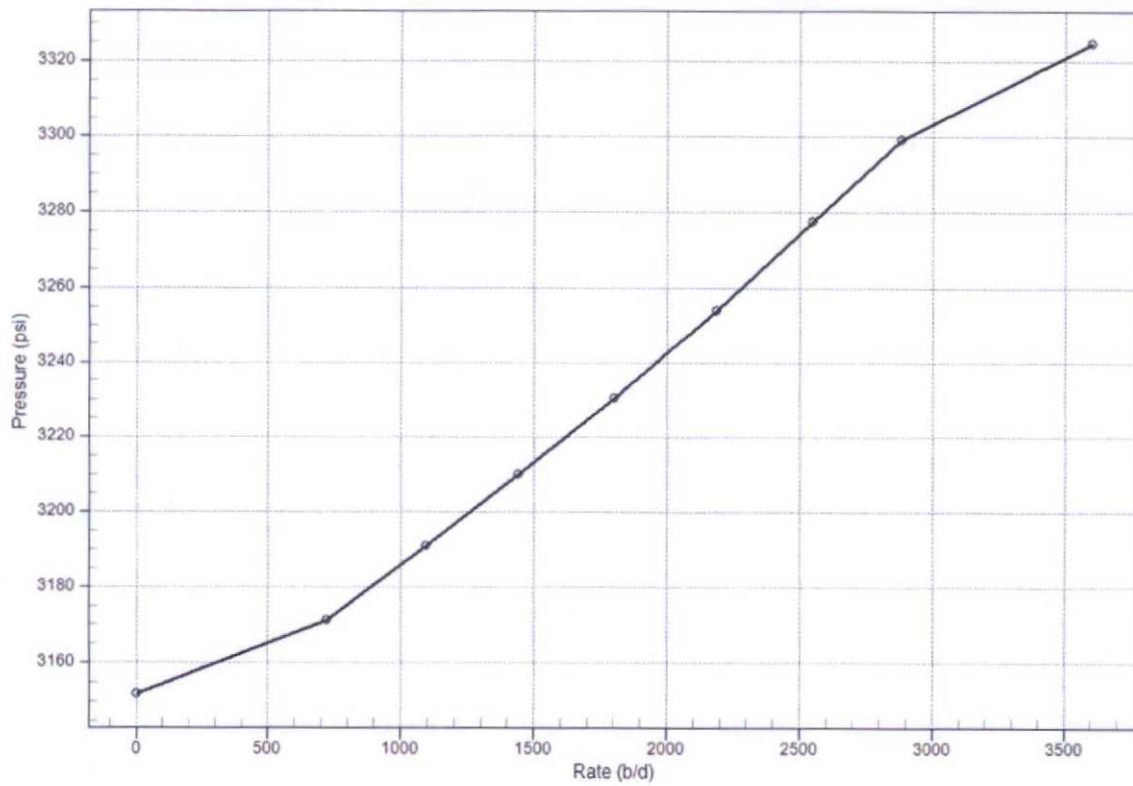
Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	3151.92	87.73	0.0000
720.00	3171.19	86.88	0.0268
1094.00	3190.82	84.06	0.0525
1440.00	3210.08	81.60	0.0557
1800.00	3230.50	80.00	0.0567
2188.00	3254.03	78.77	0.0607
2548.00	3277.50	78.18	0.0652
2880.00	3299.27	77.83	0.0656
3600.00	3324.63	77.67	0.0352

QES WIRELINE

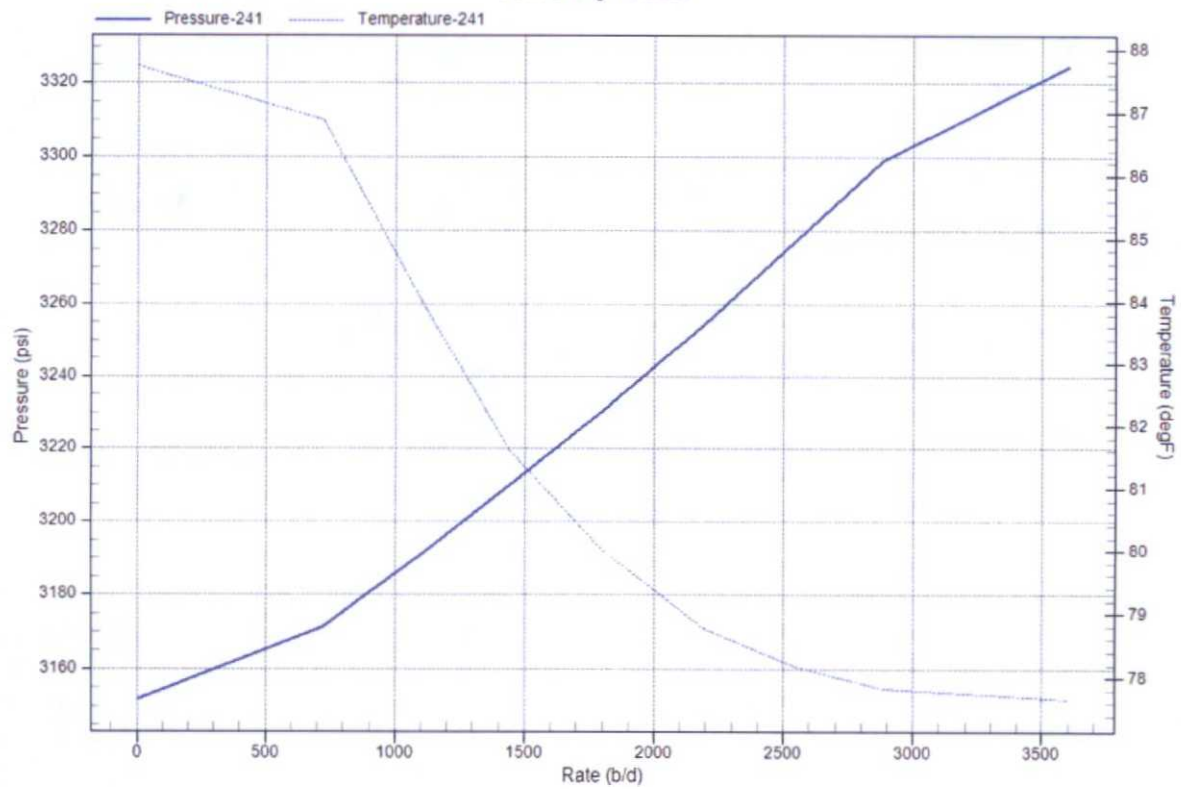
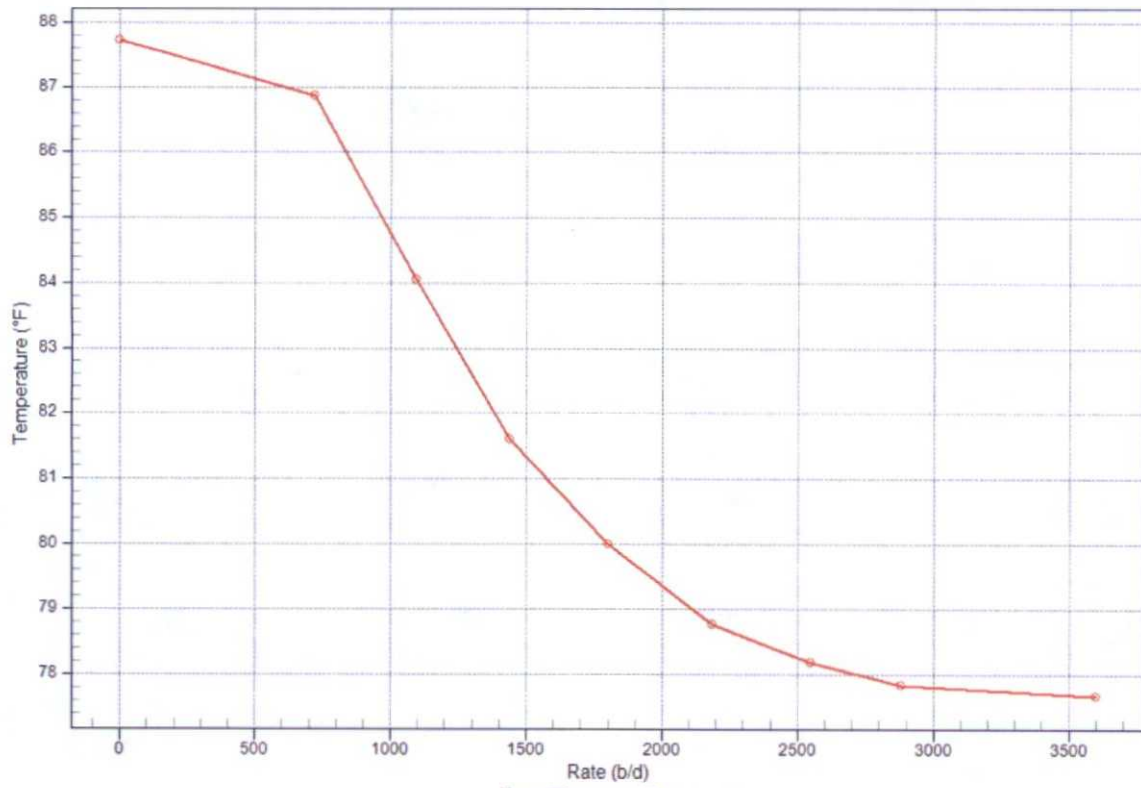
CVU # 241H



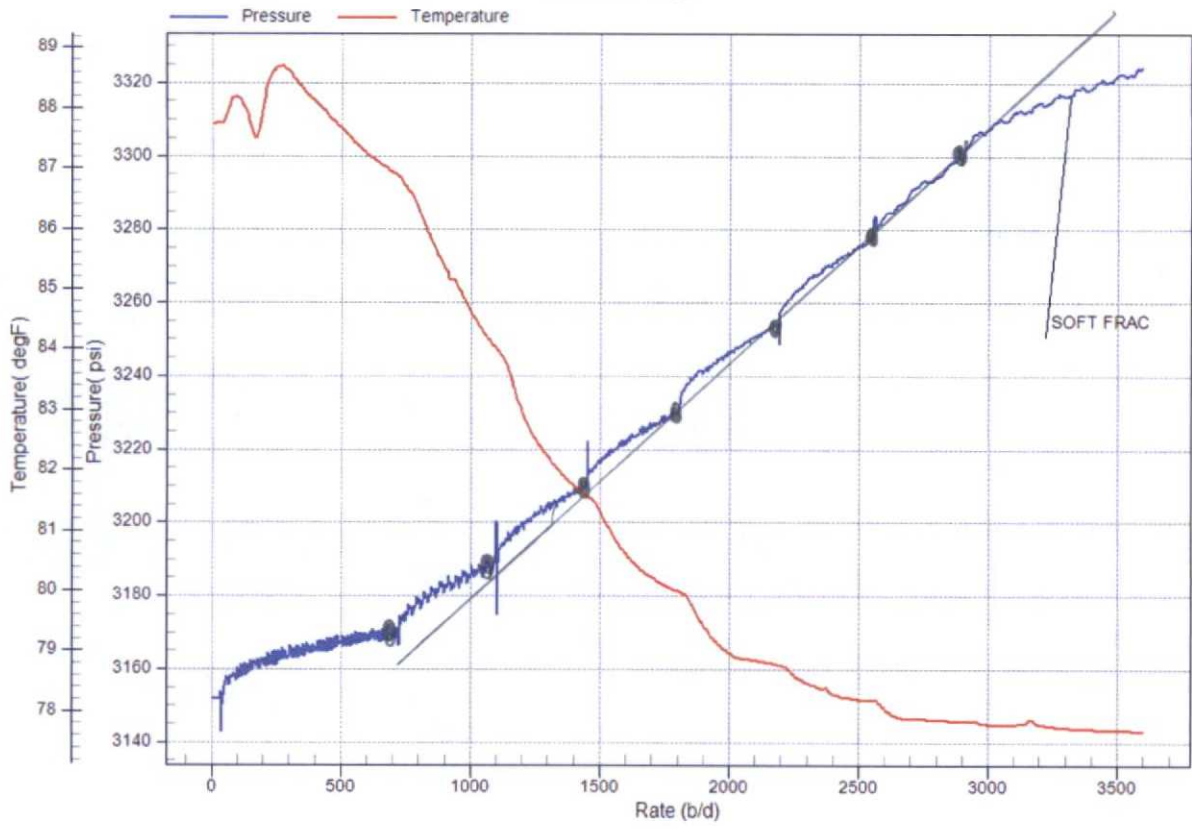
Pressure vs. Rate



Temperature vs. Rate



Pressure Log





STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	4/22/2016	10:10 AM	3151	1225	
720	4/22/2016	10:25 AM	3171	1290	
1094	4/22/2016	10:40 AM	3190	1375	
1440	4/22/2016	10:55 AM	3210	1525	
1800	4/22/2016	11:10 AM	3230	1660	
2188	4/22/2016	11:25 AM	3254	1825	
2548	4/22/2016	11:40 AM	3277	2000	
2880	4/22/2016	11:55 AM	3299	2250	
3600	4/22/2016	12:10 PM	3324	2510	SOFT FRAC
5 MIN. FALLOFF	4/22/2016	12:15 PM	3261	1350	
10 MIN. FALLOFF	4/22/2016	12:20 PM	3245	1325	
15 MIN. FALLOFF	4/22/2016	12:25 PM	3234	1310	
Company: CHEVRON USA			Recorded By: T. STANCZAK		
Well: CVU # 241H			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 @		
Seat Nipple Depth: N/A			3324 BOTTOM HOLE PRESSURE		
Lateral Windows 4203'-4211', 4531'-4539'			2510 SURFACE PRESSURE		
Plug Back Depth N/A			3600 B/D		

