

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 \_\_\_\_\_

RECEIVED  
 2016 MAY -5 P 2:22

- [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

WVSS  
 - UG SAU #439  
 30-025-38786  
 - UG BAU #440  
 30-025-38787  
 P201  
 - Vaccum  
 Grayburn  
 62180

- [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

05/03/2016

Print or Type Name

Signature

Title

Date

leajejd@chevron.com

c-mail Address

VBSAU #439



30-025 - 38786  
B-1 18534 E  
634N 1632 E

Pressure Survey Report

# CHEVRON

VGSAU # 439

April 26, 2016

## JOB INFORMATION SHEET

Company Information	
Company Name:	CHEVRON
Address:	1500 LOUISIANA STREET HOUSTON, TX 77002
Well Information	
Well Name:	VGSAU # 439
Field – Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP RATE TEST
Gauge Depth:	4370'
Production Interval:	4390'-5002'
Production Through:	TUBING
Tubing Pressure:	2400 psi
Casing Pressure:	0 psi
Status:	SHUT-IN
Temperature @ Run Depth	88.64 degF
Surface Temperature:	83.82 degF
Comments	
SOFT FRAC @ 3600 B/D 3515 BOTTOM HOLE PRESSURE 2400 SURFACE PRESSURE	

QES WIRELINE

CHEVRON

## WELL INFORMATION SHEET

Well:	VGSAU # 439	Unique Well Identifier:	30-025-38786
Well License:			
Company:	CHEVRON		
Field:	VACUUM		

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

Total Depth:	4370'	ID Borehole:	N/A
Packer Depth:	4326'	ID Production Casing:	4.9"
Depth of whipstock:	N/A	OD Production Tubing:	2.375"
Depth at which casing is landed:	5156'	ID Production Tubing:	1.9"
Depth at which tubing is landed:	4326'	ID Drill Pipe:	N/A

QES WIRELINE

## Gradient Data Report

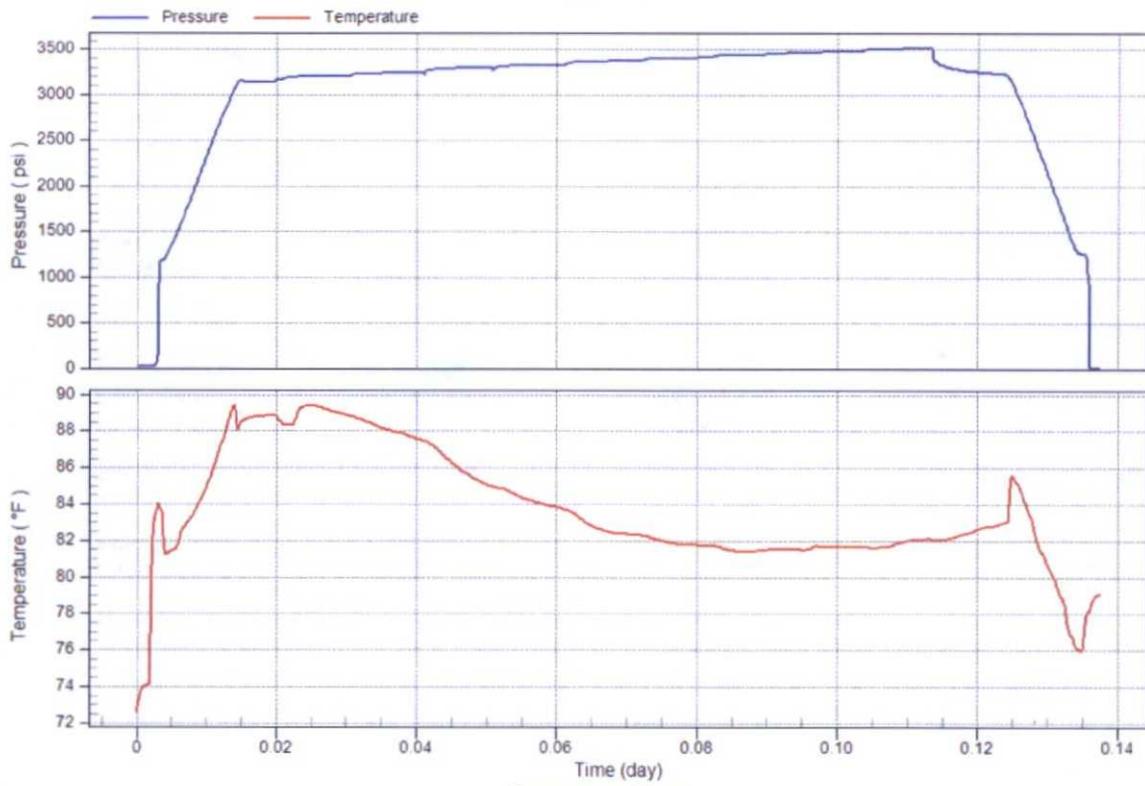
CHEVRON  
VGSAU # 439

### Gradient Data Table

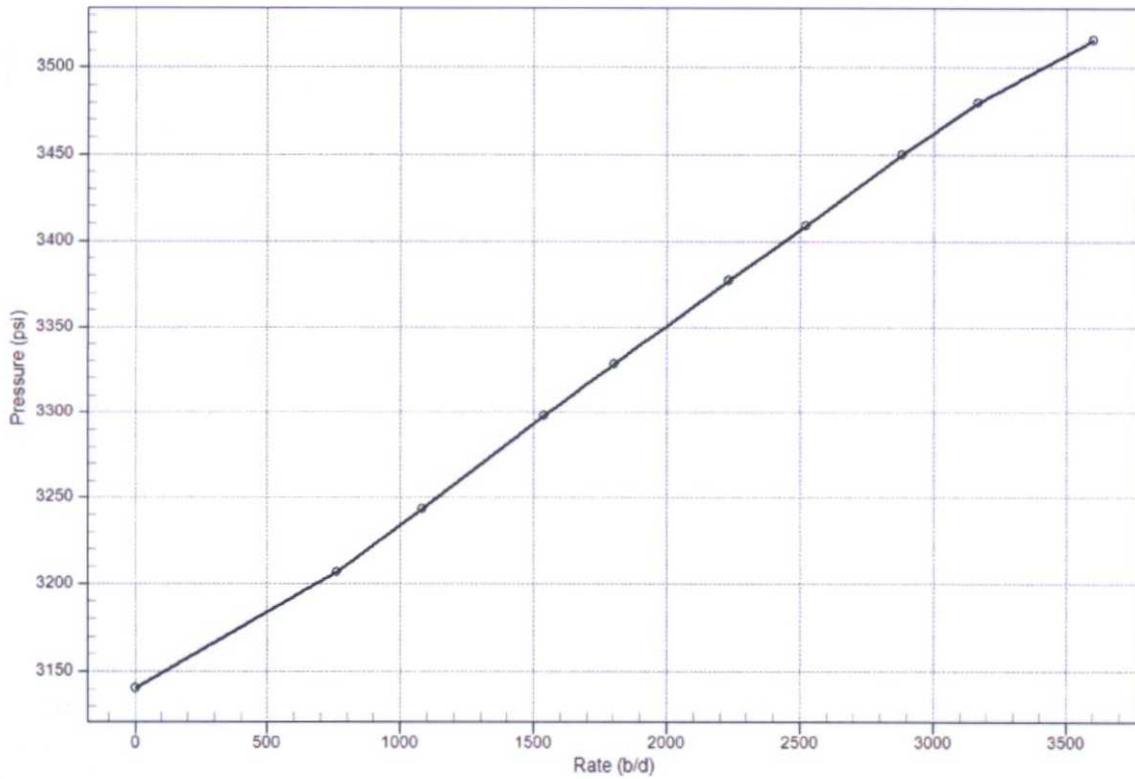
Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	3140.41	88.88	0.0000
763.00	3206.64	88.92	0.0868
1080.00	3243.43	87.55	0.1160
1540.00	3298.38	84.97	0.1195
1800.00	3328.22	83.70	0.1147
2232.00	3377.12	82.29	0.1132
2520.00	3408.73	81.75	0.1097
2880.00	3449.41	81.53	0.1130
3168.00	3480.07	81.66	0.1064
3600.00	3515.91	82.11	0.0830

QES WIRELINE

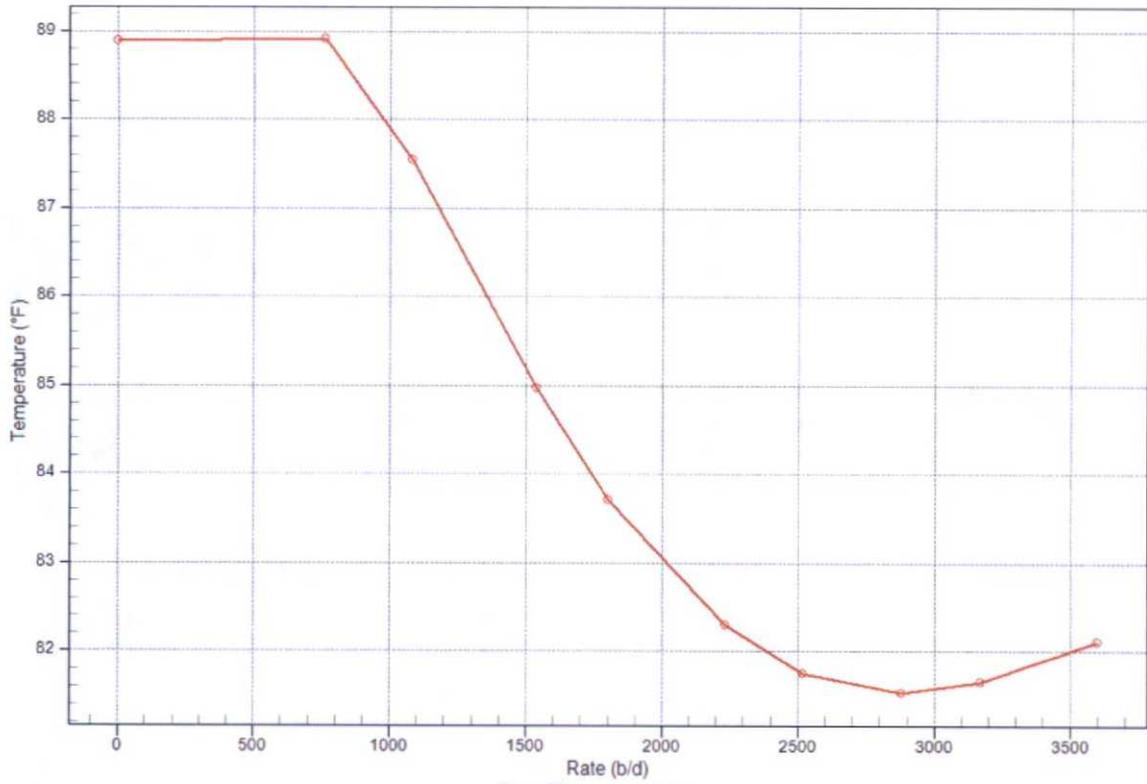
VGSAU # 439



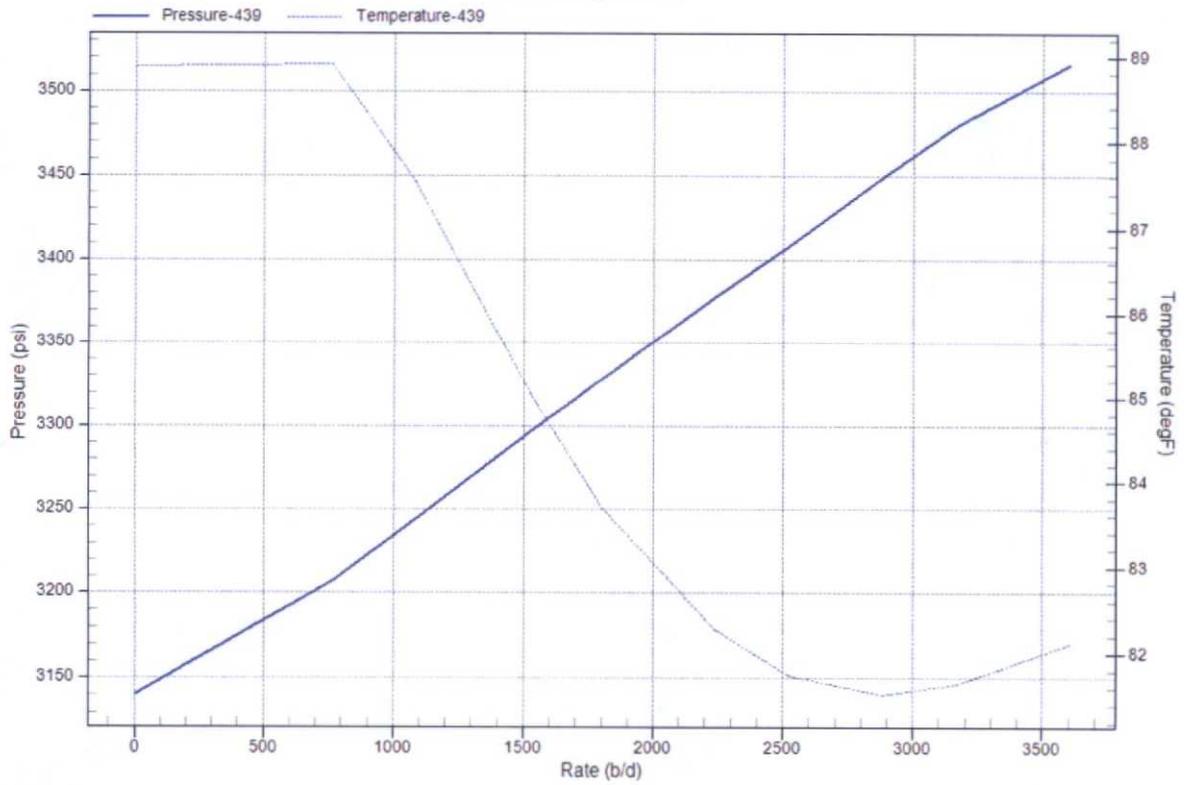
Pressure vs. Rate



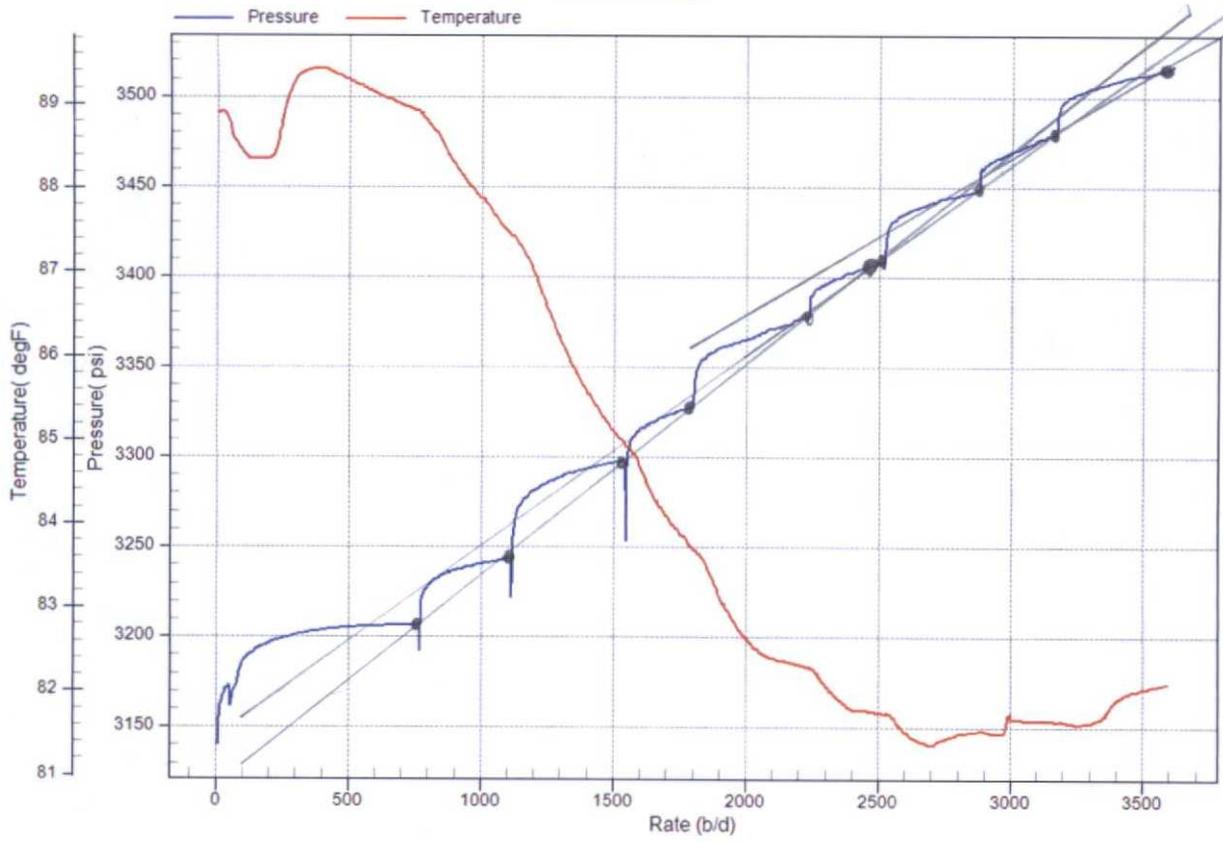
Temperature vs.Rate



Pres/Temp vs Rate



# Pressure Log

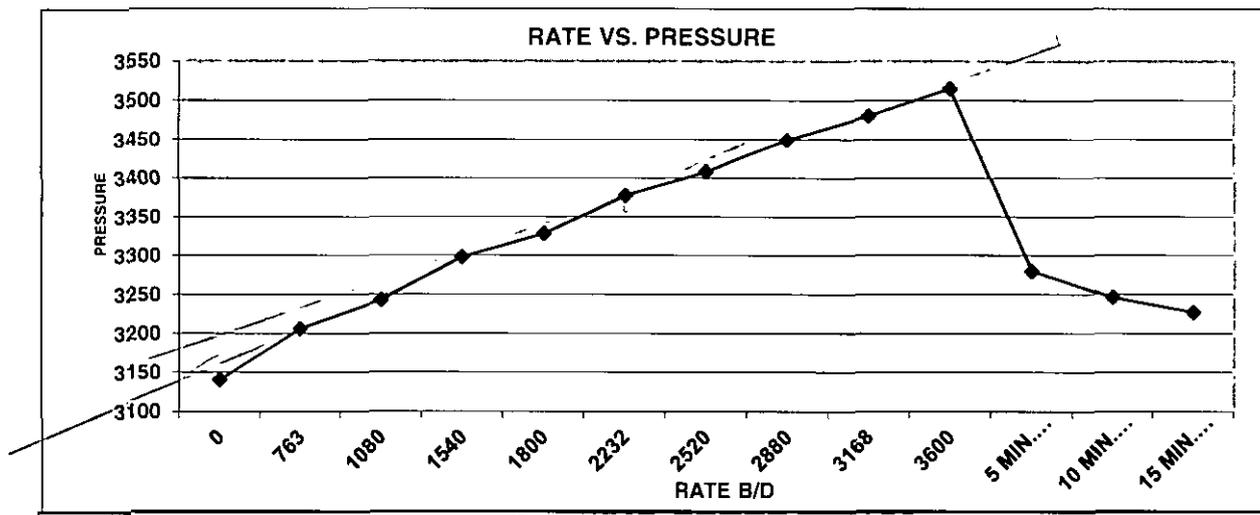




## STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	4/26/2016	10:40 AM	3140	1150	
317 <del>460</del> 763	4/26/2016	10:55 AM	3206	1275	
460 <del>763</del> 1080	4/26/2016	11:10 AM	3243	1375	
763 <del>1080</del> 1540	4/26/2016	11:25 AM	3298	1500	
1080 <del>1540</del> 1800	4/26/2016	11:40 AM	3328	1600	
1540 <del>1800</del> 2232	4/26/2016	11:55 AM	3377	1760	
1800 <del>2232</del> 2520	4/26/2016	12:10 PM	3408	1875	
2232 <del>2520</del> 2880	4/26/2016	12:25 PM	3449	2050	
2520 <del>2880</del> 3168	4/26/2016	12:40 PM	3480	2200	
2880 <del>3168</del> 3600	4/26/2016	12:55 PM	3515	2400	SOFT FRAC
3600	4/26/2016	1:00 PM	3280	1350	5 MIN. FALLOFF
	4/26/2016	1:05 PM	3246	1310	10 MIN. FALLOFF
	4/26/2016	1:10 PM	3227	1290	15 MIN. FALLOFF

Company:	CHEVRON USA	Recorded By:	T. STANCZAK
Well:	VGSAU # 439	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	3515 BOTTOM HOLE PRESSURE	
Perforations:	4390'-5002'	2400 SURFACE PRESSURE	
Plug Back Depth:	N/A	3600 B/D	





30-025-38787  
C-1 185 348  
100N 1980 W

Pressure Survey Report

---

# CHEVRON

VGSAU # 440

April 28, 2016

CHEVRON

## WELL INFORMATION SHEET

Well:	VGSAU # 440	Unique Well Identifier:	30-025-38787
Well License:			
Company:	CHEVRON		
Field:	VACUUM		

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

Total Depth:	4270'	ID Borehole:	N/A
Packer Depth:	4213'	ID Production Casing:	4.9"
Depth of whipstock:	N/A	OD Production Tubing:	2.375"
Depth at which casing is landed:	5018'	ID Production Tubing:	1.9"
Depth at which tubing is landed:	4213'	ID Drill Pipe:	N/A

QES WIRELINE

## Gradient Data Report

CHEVRON  
VGSAU # 440

### Gradient Data Table

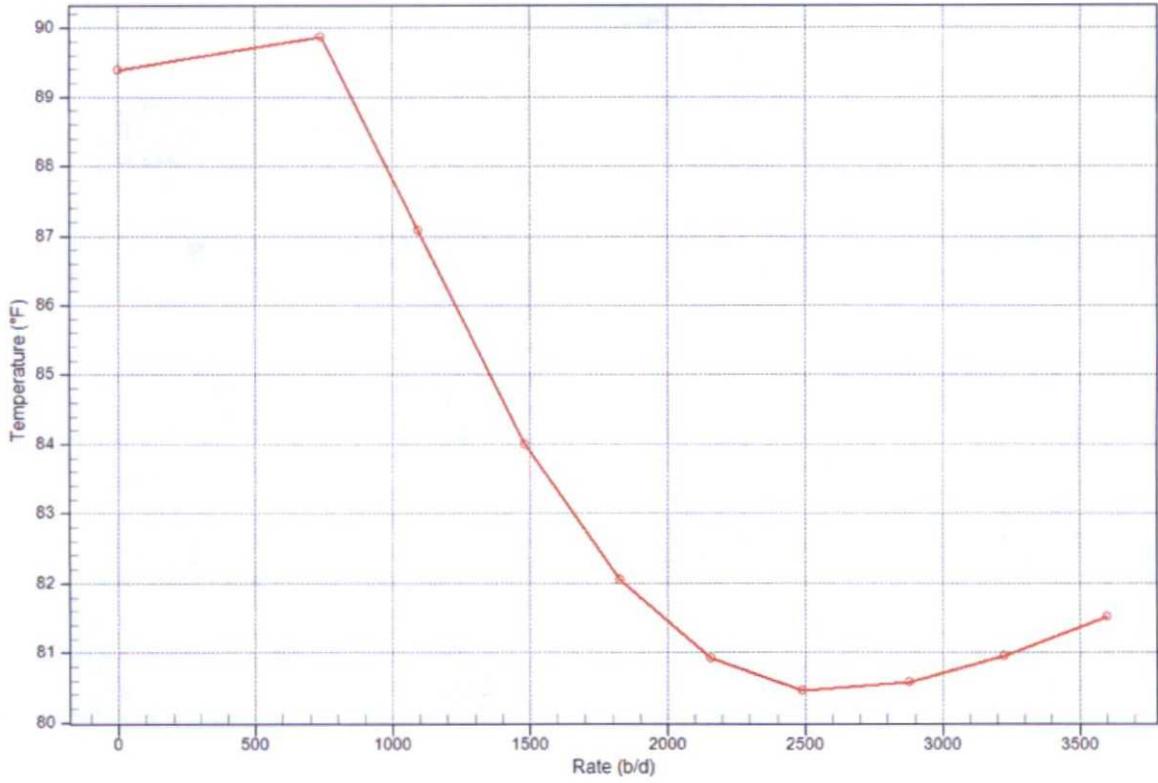
Rate b/d	Pressure psi	Temperature degF	Gradient psi/rate
0.00	3123.13	89.38	0.0000
740.00	3212.97	89.87	0.1214
1094.00	3271.44	87.08	0.1652
1483.00	3326.68	83.99	0.1420
1828.00	3375.76	82.06	0.1423
2160.00	3422.80	80.91	0.1417
2491.00	3469.58	80.46	0.1413
2880.00	3513.36	80.57	0.1126
3225.00	3554.45	80.95	0.1191
3600.00	3593.36	81.51	0.1037

## JOB INFORMATION SHEET

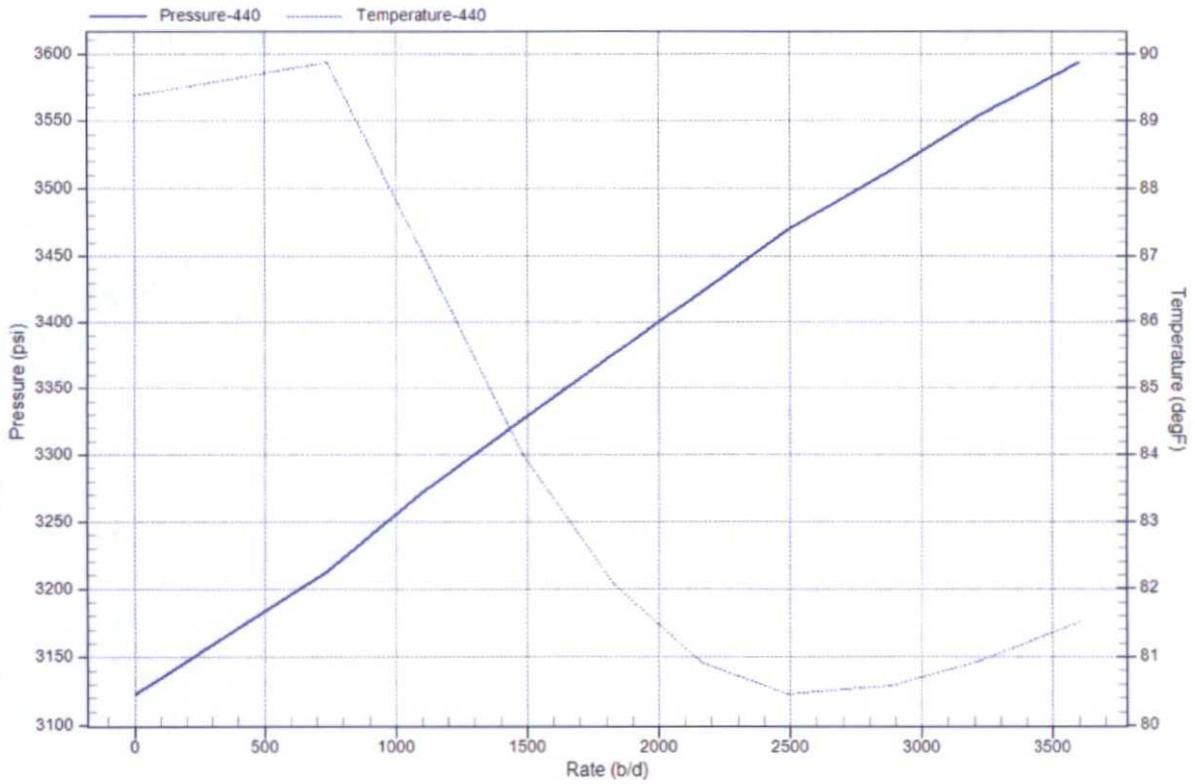
Company Information	
Company Name:	CHEVRON
Address:	1500 LOUISIANA STREET HOUSTON, TX 77002
Well Information	
Well Name:	VGSAU # 440
Field - Pool:	VACUUM
Status:	SHUT-IN
Test Information	
Type of Test:	STEP RATE TEST
Gauge Depth:	4270'
Production Interval:	4294'-4860
Production Through:	TUBING
Tubing Pressure:	2430 psi
Casing Pressure:	0 psi
Status:	SHUT-IN
Temperature @ Run Depth	91.29 degF
Surface Temperature:	78.45 degF
Comments	
SOFT FRAC @ 2090 SURFACE PRESSURE 3513 BOTTOM HOLE PRESSURE 2880 B/D	

QES WIRELINE

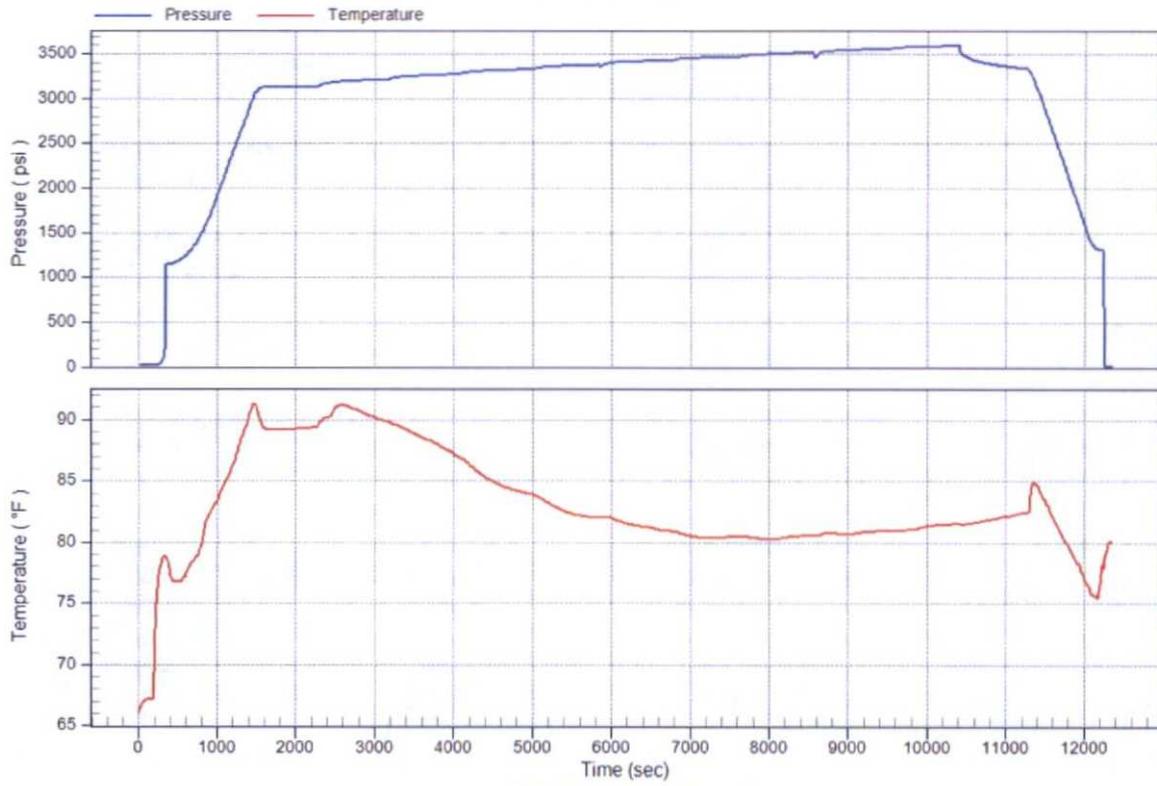
Temperature vs. Rate



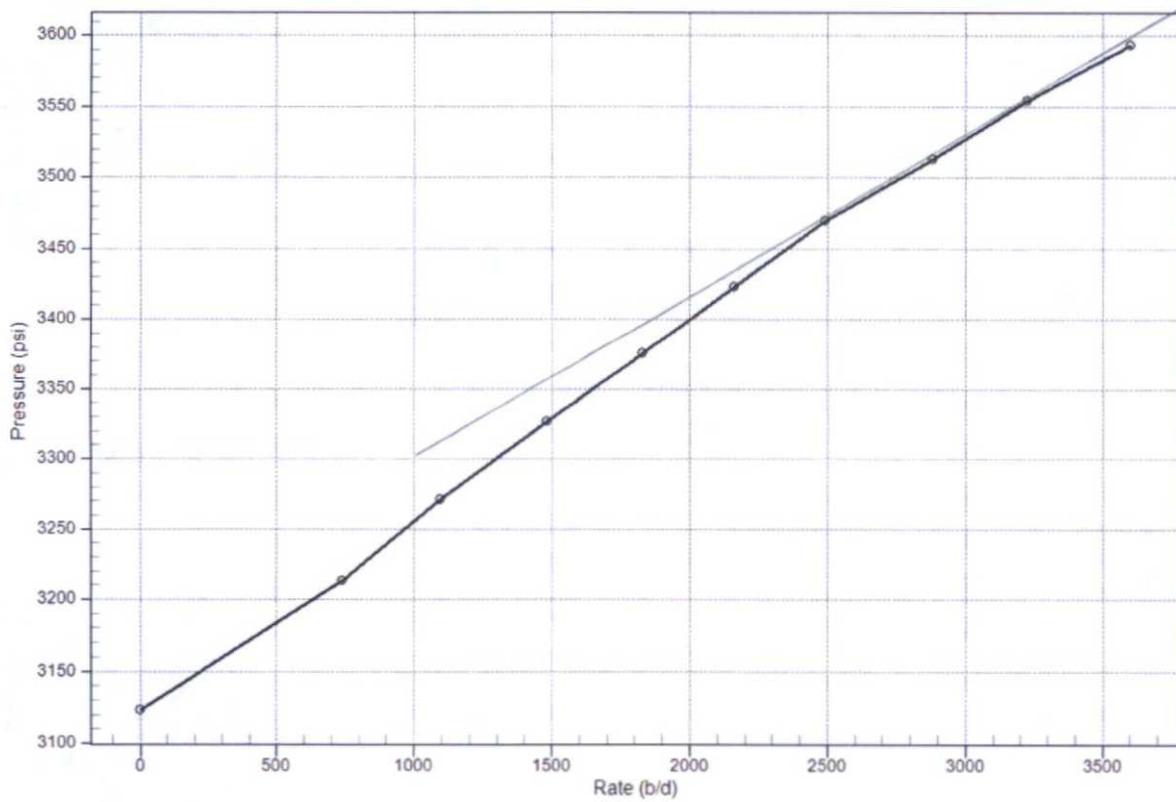
Pres/Temp vs Rate



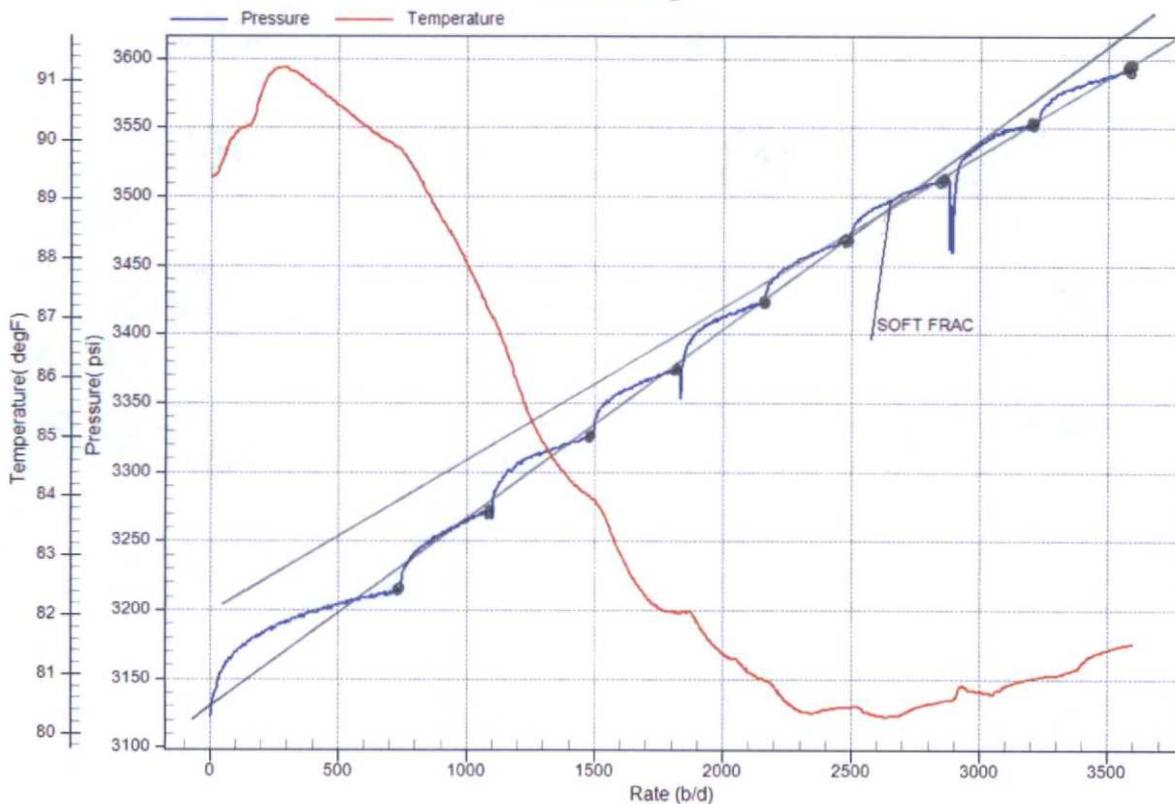
### VGSAU # 440



### Pressure vs. Rate



### Pressure Log





## STEP RATE TEST

RATE B/D	Date	Time	BH PRESS	SURF. PRESS	Comments
0	4/28/2016	9:55 AM	3123	1135	
740	4/28/2016	10:10 AM	3212	1280	
1094	4/28/2016	10:25 AM	3271	1380	
1483	4/28/2016	10:40 AM	3326	1510	
1828	4/28/2016	10:55 AM	3375	1620	
2160	4/28/2016	11:10 AM	3422	1760	
2491	4/28/2016	11:25 AM	3469	1915	
2880	4/28/2016	11:40 AM	3513	2090	SOFT FRAC
3225	4/28/2016	11:55 AM	3554	2240	
3600	4/28/2016	12:10 PM	3593	2430	
5 MIN. FALLOFF	4/28/2016	12:15 PM	3412	1460	
10 MIN. FALLOFF	4/28/2016	12:20 PM	3365	1420	
15 MIN. FALLOFF	4/28/2016	12:25 PM	3336	1390	
Company: CHEVRON USA			Recorded By: T. STANCZAK		
Well: VGSAU # 440			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			3513 BOTTOM HOLE PRESSURE		
Perforations: 4294'-4860'			2090 SURFACE PRESSURE		
Plug Back Depth: N/A			2880 B/D		

