

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

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-34982
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B-1040-14
7. Lease Name or Unit Agreement Name Tin Cup 25 State -
8. Well Number 1 -
9. OGRID Number 206511
10. Pool name or Wildcat Delaware

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

2. Name of Operator
GMT Exploration Company

3. Address of Operator
1560 Broadway Suite 200, Denver, CO 80222

4. Well Location

Unit Letter M : 660 feet from the South line and 660 feet from the West line
Section 25 Township 22S Range 34E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3426' GR

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: ☒ Begin Disposal

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☒ Step rate test results

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.

Attached are the results from the Step Rate test GMT performed on the above well.

GMT intends to begin injecting into this well on September 30, 2016

**PROVIDE S.R.T. RESULTS
TO SANTA FE OCD FOR
APPROVAL**

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

Petrotech

DATE

9/21/16

Type or print name
For State Use Only

Marissa Walters

E-mail address: mwalters@gmtexploration.com

PHONE: 303.586.9275

APPROVED BY:

Accepted for Record Only

TITLE

DATE

Conditions of Approval (if any):

Miss Brown
9/27/2016



STEP RATE TEST

Tin Cup 25 #1

September 16, 2016

JOB INFORMATION SHEET

Company Information		
Company Name:	Sierra	
Well Information		
Well Name:	Tin Cup 25 #1	
Test Information		
Type of Test:	Step Rate Test	
Gauge Depth:	6270ft	
Temperature @ Run Depth	110.62 degF	
Surface Temperature:	67.18 degF	
Gauge Information		
	Top Recorder	Bottom Recorder
Serial Number:	70119	
Calibration Date:	3/1/15	
Pressure Range:	10000 psi	
Comments		

Gradient Data Report

Tin Cut 25 #1 Gradient In

Gradient Data Table

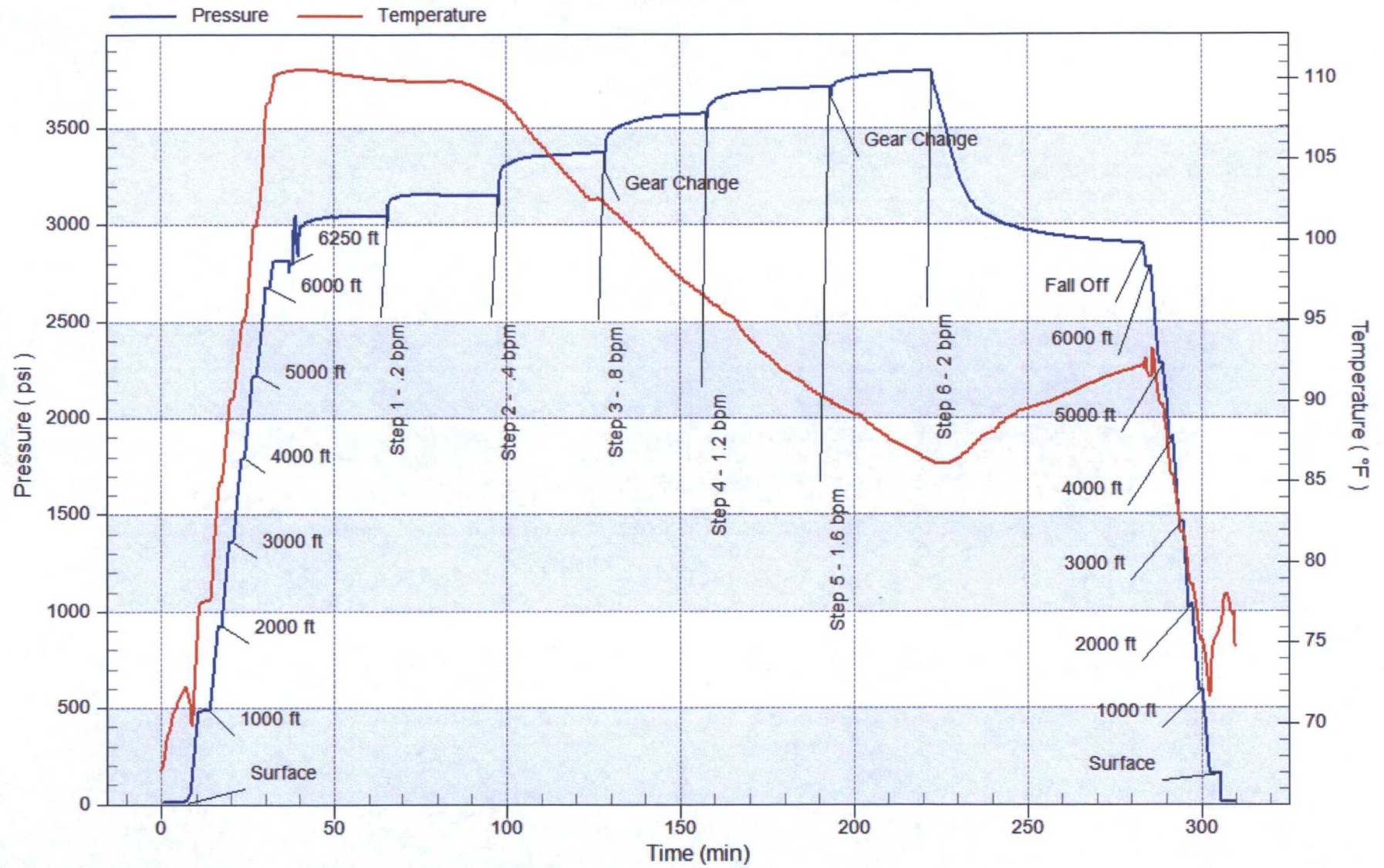
Depth ft	Pressure psi	Temperature degF	Gradient psi/ft
0.00	40.63	71.63	0.0000
1000.00	488.82	77.64	0.4482
2000.00	923.42	85.09	0.4346
3000.00	1355.70	90.25	0.4323
4000.00	1789.13	95.10	0.4334
5000.00	2222.13	101.00	0.4330
6000.00	2677.20	108.56	0.4551
6270.00	2802.85	110.54	0.4654

Analysis Summary

Depth ft	Gradient psi/ft
0.00	
	0.4405
6270.00	

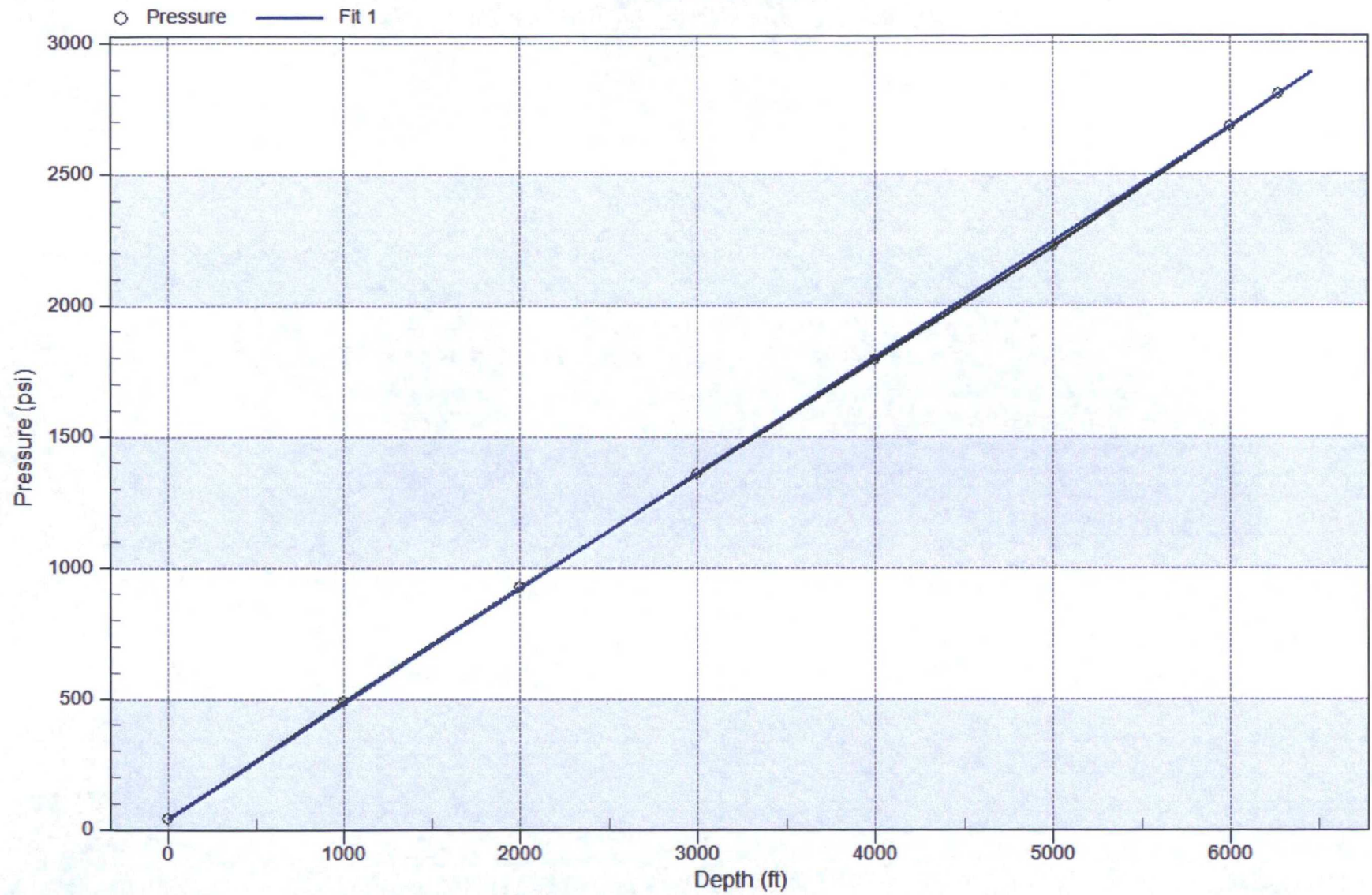
Tin Cup 25 #1

Step Rate Test



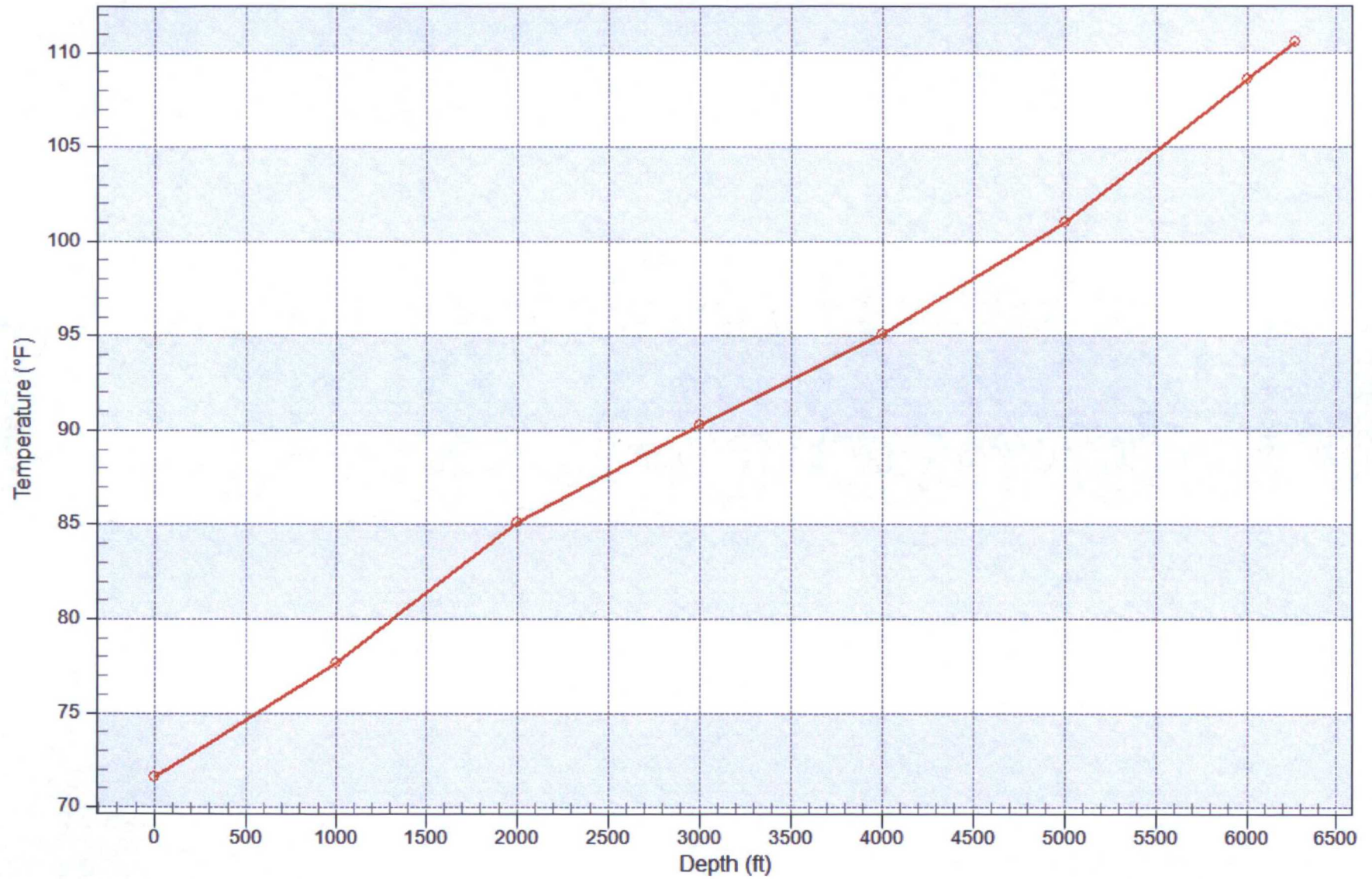
Pressure vs. Depth

Tin Cut 25 #1 Gradient In



Temperature vs. Depth

Tin Cut 25 #1 Gradient In



Pressure and Temperature Report

Tin Cup 25 #1 Step Rate

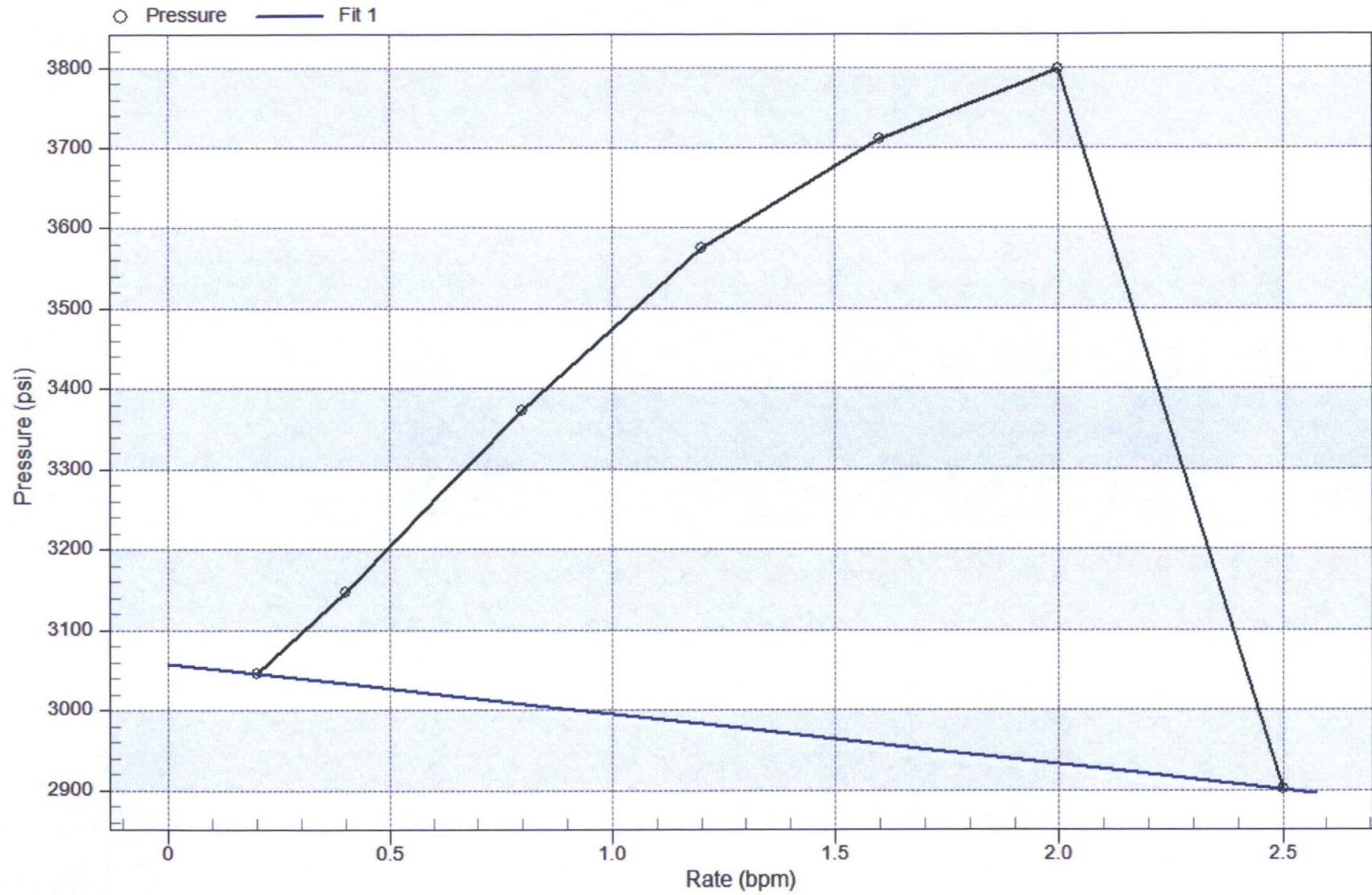
Rate Bpm	Pressure psi	Temperature degF	Gradient psi/ft
Step 1 - 0.20	3045.44	109.94	0.0000
Step 2 - 0.40	3146.09	108.76	0.0000
Step 3 - 0.80	3373.35	102.36	568.1533
Step 4 - 1.20	3575.33	96.50	504.9337
Step 5 - 1.60	3710.72	90.08	338.4978
Step 6 - 2.00	3796.89	86.25	215.4170
Fall Off	2901.10	92.27	-1791.5898

Analysis Summary

Depth ft	Gradient psi/ft
0.00	
	-62.7583
2.50	

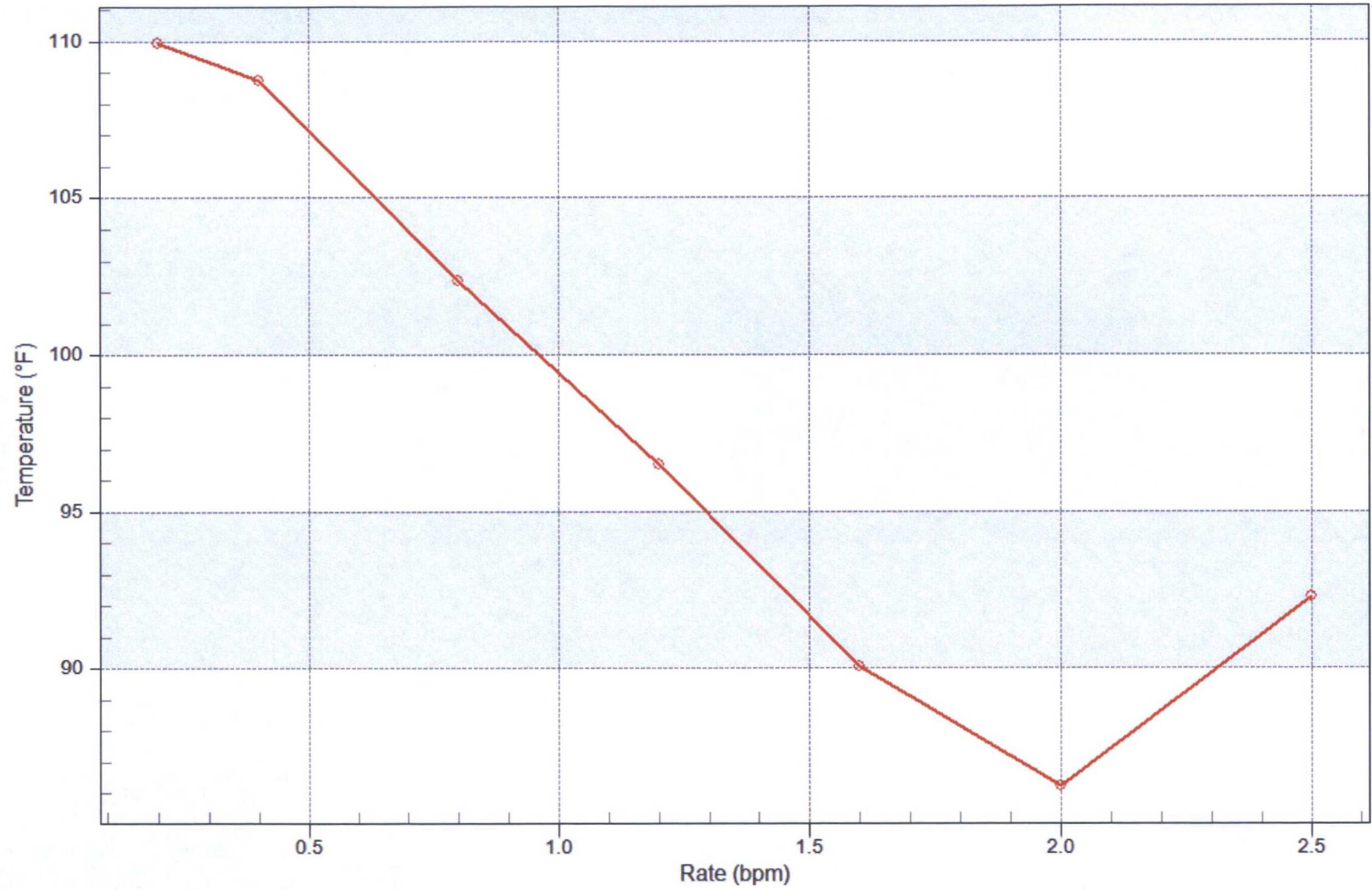
Pressure vs. Rate

Tin Cup 25 #1 Step Rate



Temperature vs. Rate

Tin Cup 25 #1 Step Rate



Gradient Data Report

Tin Cup 25 #1 Gradient Out

Gradient Data Table

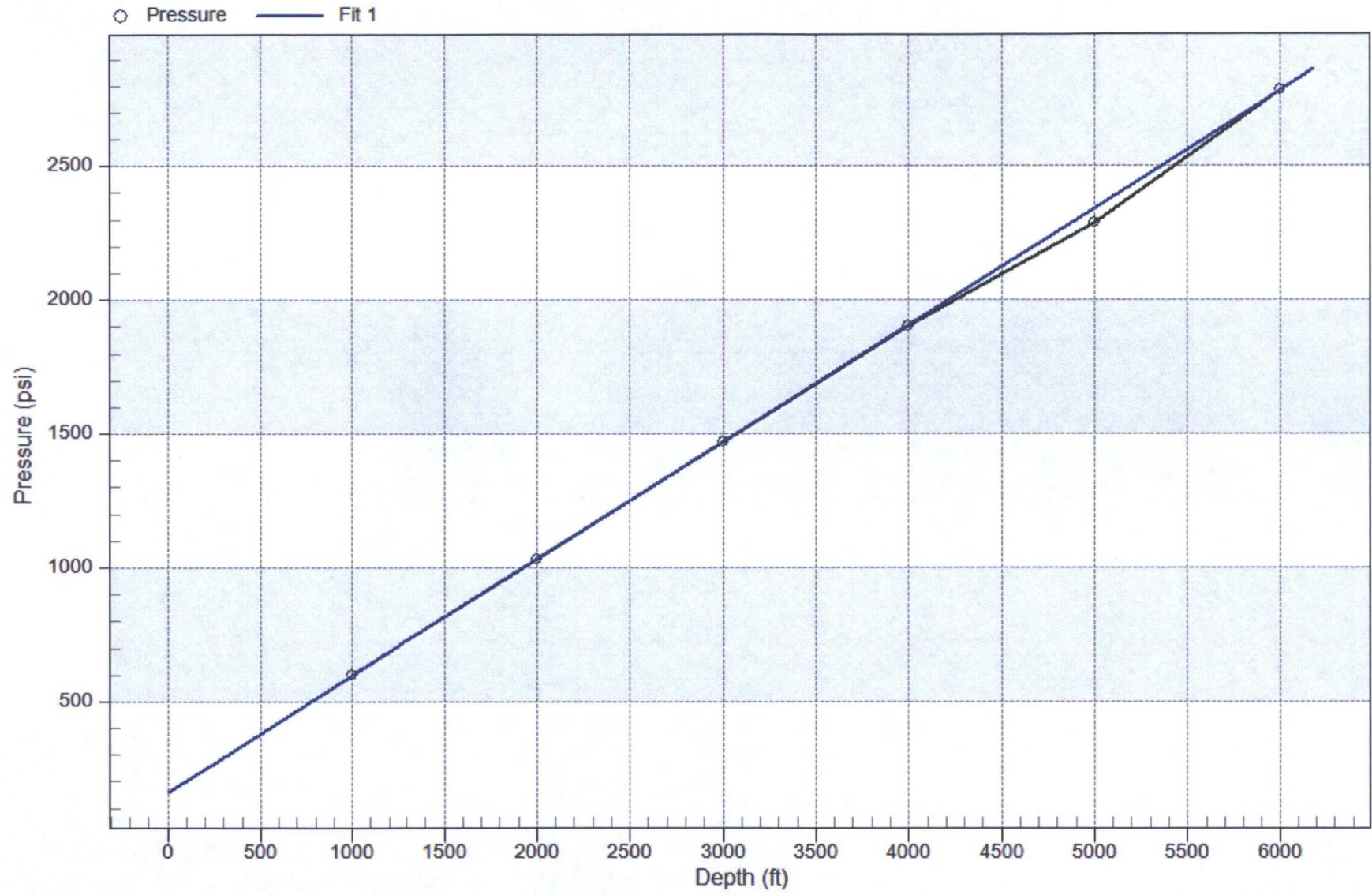
Depth ft	Pressure psi	Temperature degF	Gradient psi/ft
1000.00	598.68	75.09	0.0000
2000.00	1031.26	78.61	0.4326
3000.00	1468.24	81.83	0.4370
4000.00	1899.40	85.40	0.4312
5000.00	2287.13	89.76	0.3877
6000.00	2780.48	91.51	0.4934

Analysis Summary

Depth ft	Gradient psi/ft
0.00	0.4364
6000.00	

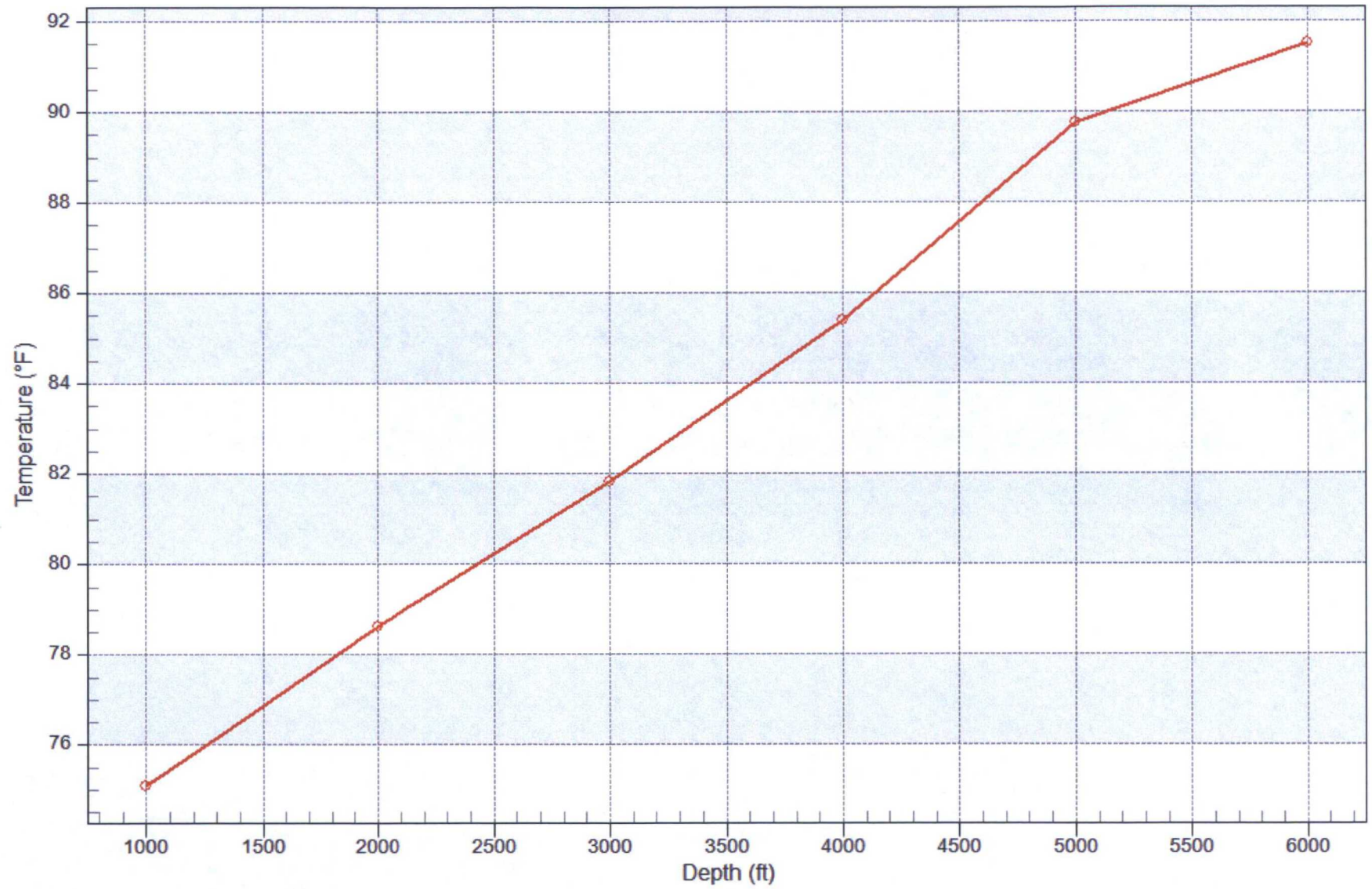
Pressure vs. Depth

Tin Cup 25 #1 Gradient Out



Temperature vs. Depth

Tin Cup 25 #1 Gradient Out





	RATE B/D	Date	Time	BH PRESS		Comments
Step 1	0.2	9/16/2016	11:45 AM	3045.44		
Step 2	0.4	9/16/2016	12:16pm	3146.09		
Step 3	0.8	9/16/2016	12:45 PM	3373.35		
Step 4	1.2	9/16/2016	1:15 PM	3575.33		
Step 5	1.6	9/16/2016	1:45 PM	3710.72		
Step 6	2	9/16/2016	2:21 PM	3796.89		
Fall Off		9/16/2016	3:20 PM	2901.1		
	Company:	Sierra			Recorded By:	M. Flores
	Well:	Tin Cup 25 #1				
	Field:	Tin Cup			Truck Number:	95
					District:	Levelland
					Test Type:	STEP RATE TESTS
	Tubing Size:	2 7/8				
	Seat Nipple Depth:	N/A				
	Perforations:					
	Plug Back Depth	N/A				

