

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.

Randy Hogan

Randy Hogan

Production Superintendent

9/22/08

Print or Type Name

Signature

Title

Date

rhogan@cimarex.com
 e-mail Address

2 3/8"
 D/4/ 22S/27E
 30-015-24845
 RECEIVED
 2008 SEP 25 PM 2 39
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CIMAREX ENERGY COMPANY
600 N. Marienfeld Street
Suite 600
Midland, TX 79701

9/22/08

New Mexico Oil Conservation Division
Engineering Bureau
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Re: Injection Pressure Increase
Wersell Federal #2
Section 4, T-22-S, R-27-E
Eddy County, New Mexico

Cimarex Energy Company respectfully requests an increase in injection pressure to 900 psig for our Wersell Federal # 2 SWD well in Eddy County New Mexico. The request is based upon a step rate test that was performed on February 28, 2008, a copy of which is attached. Also attached is the fax that was sent stating when the step rate test was to be performed. If you should have any questions, please feel free to contact me at (432) 571-7814, or by e-mail at rhogan@cimarex.com. Thank you for your consideration of this application.

Sincerely,

A handwritten signature in cursive script that reads "Randy Hogan". The signature is written in black ink and is positioned above the typed name and title.

Randy Hogan
Production Superintendent
New Mexico Area
Permian Basin Region

Cc: New Mexico Oil Conservation, Artesia

CIMAREX

WERSELL FEDERAL COM #2 SWD

EDDY COUNTY, NEW MEXICO

TEST DATE
2/28/2008

STEP RATE TEST

Ran step rate test with electric surface readout unit, 1 electronic pressure instrument @ run depth of 3,308' and surface pressure transducer.

STEP RATE TEST

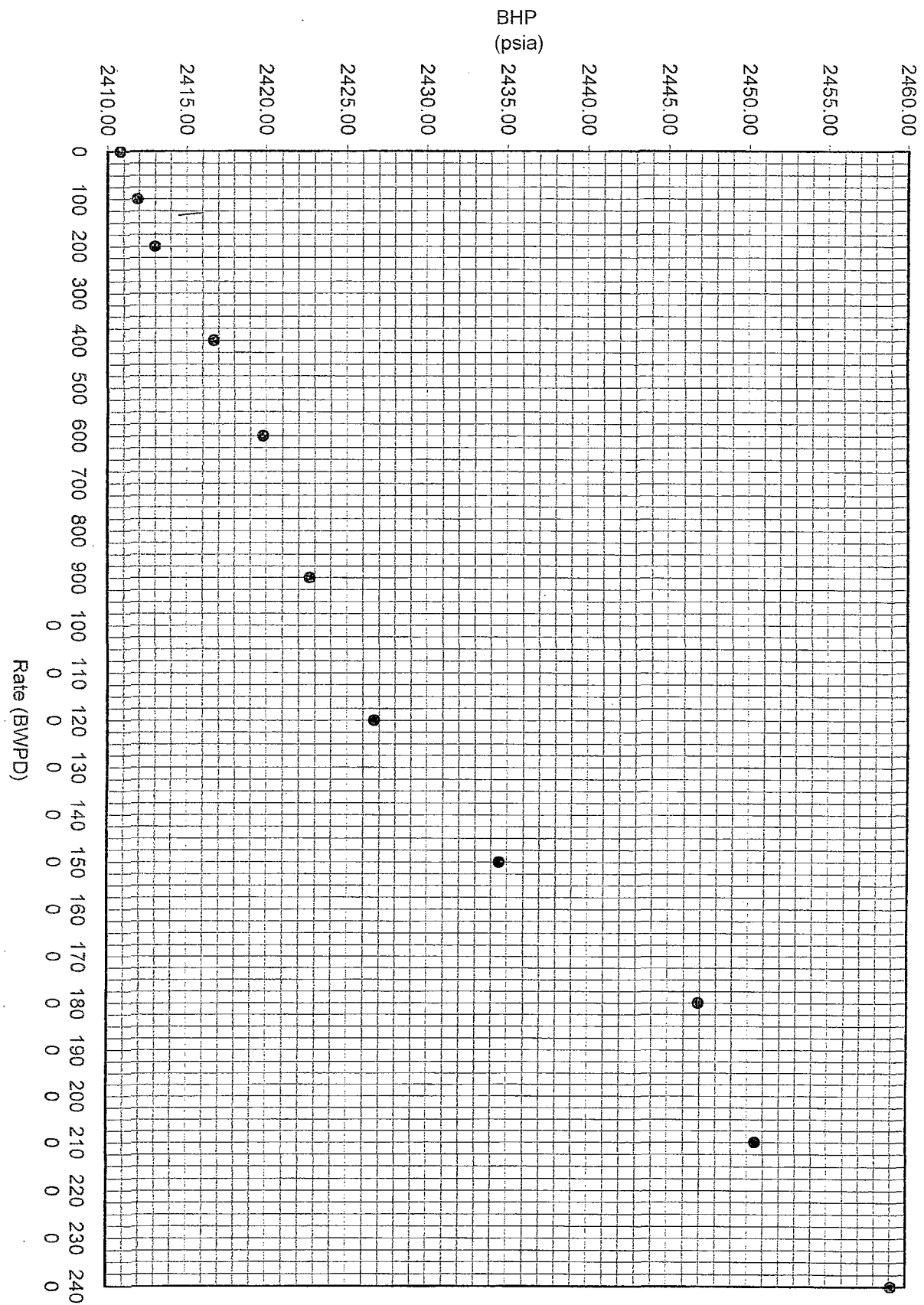
**CIMAREX
WERSSELL FEDERAL COM #2 SWD
TEST DATE 2/28/2008**

| Injection Rate (BWPD) | Psurface (psig) | B.H.P. (psia) | Psurface W/O FRICTION |
|----------------------------------|----------------------------|--------------------------|----------------------------------|
| 0 | 798.50 | 2410.80 | 798.50 |
| 100 | 840.10 | 2411.90 | 839.10 |
| 200 | 906.60 | 2413.00 | 904.60 |
| 400 | 943.70 | 2416.70 | 937.70 |
| 600 | 959.50 | 2419.80 | 945.50 |
| 900 | 994.50 | 2422.70 | 964.50 |
| 1200 | 1032.90 | 2426.70 | 981.90 |
| 1500 | 1053.90 | 2434.50 | 975.90 |
| 1800 | 1088.00 | 2446.90 | 979.00 |
| 2100 | 1136.50 | 2450.50 | 989.50 |
| 2400 | 1172.40 | 2459.10 | 984.20 |
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|------------------------|-------------------------|
| Run Depth: 3308 | Perforations: 2832-3794 |
| Formation: San Andres | Total Depth: 4650 |
| Tubing Depth: 2723 | Pkr. Depth: 2723 |
| Tested By: J. Chesshir | Instrument #: 78302 |

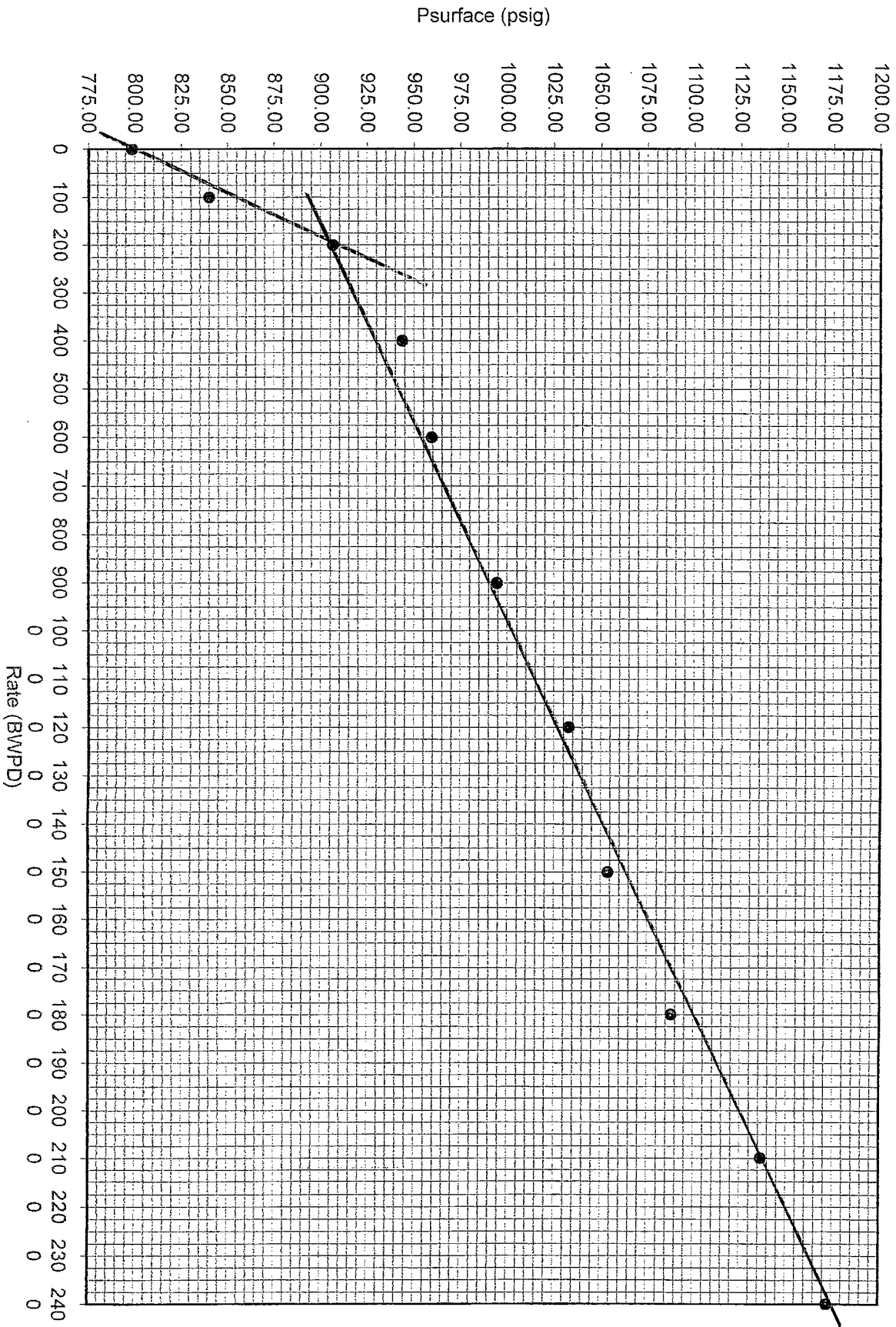
TEST RESULTS
Test Is Inconclusive

STEP RATE TEST
 CIMAREX
 WERSELL FEDERAL COM #2 SWD
 2/28/2008



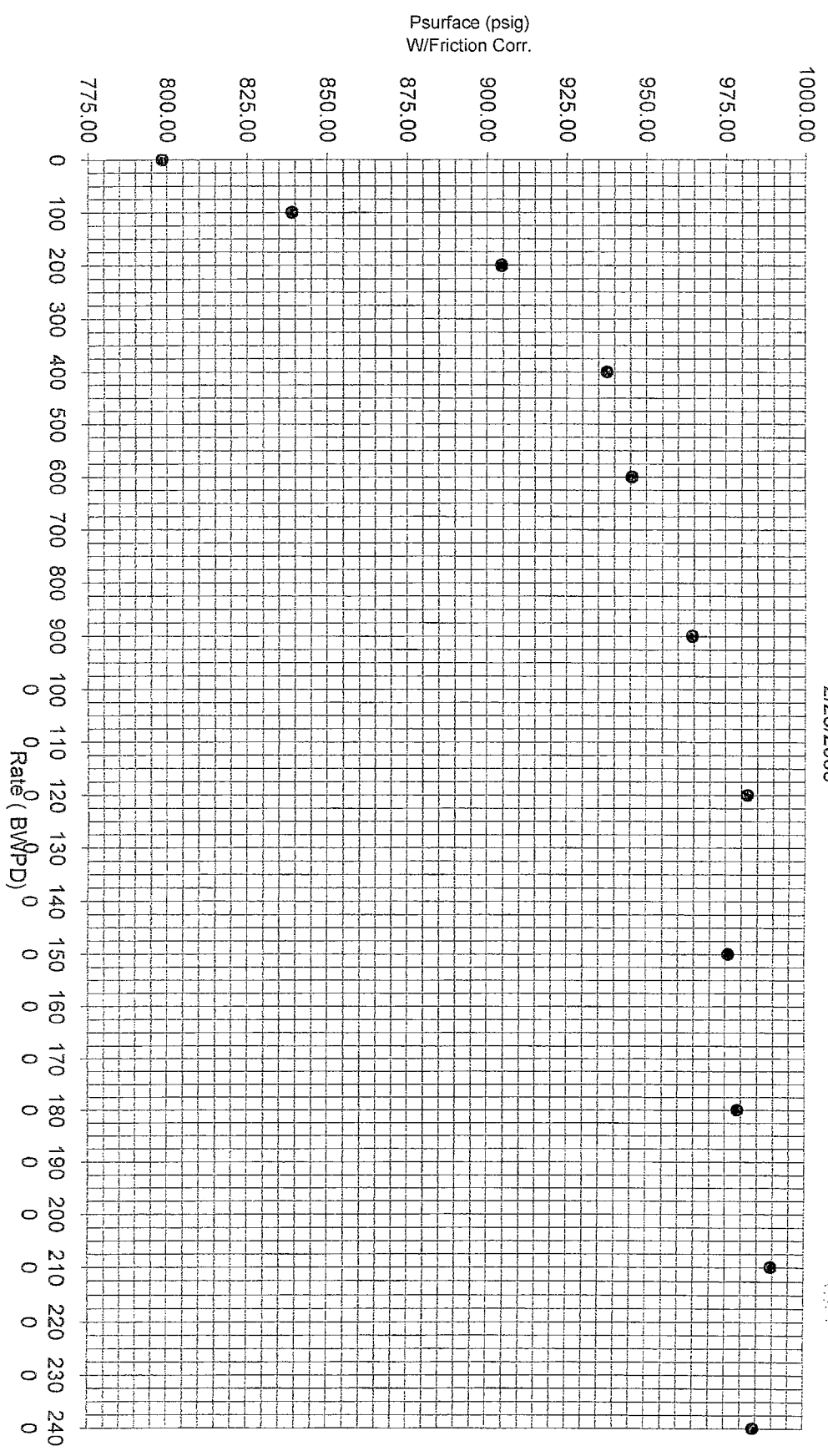
STEP RATE TEST
 CIMAREX
 WERSELL FEDERAL COM #2 SWD
 2/28/2008

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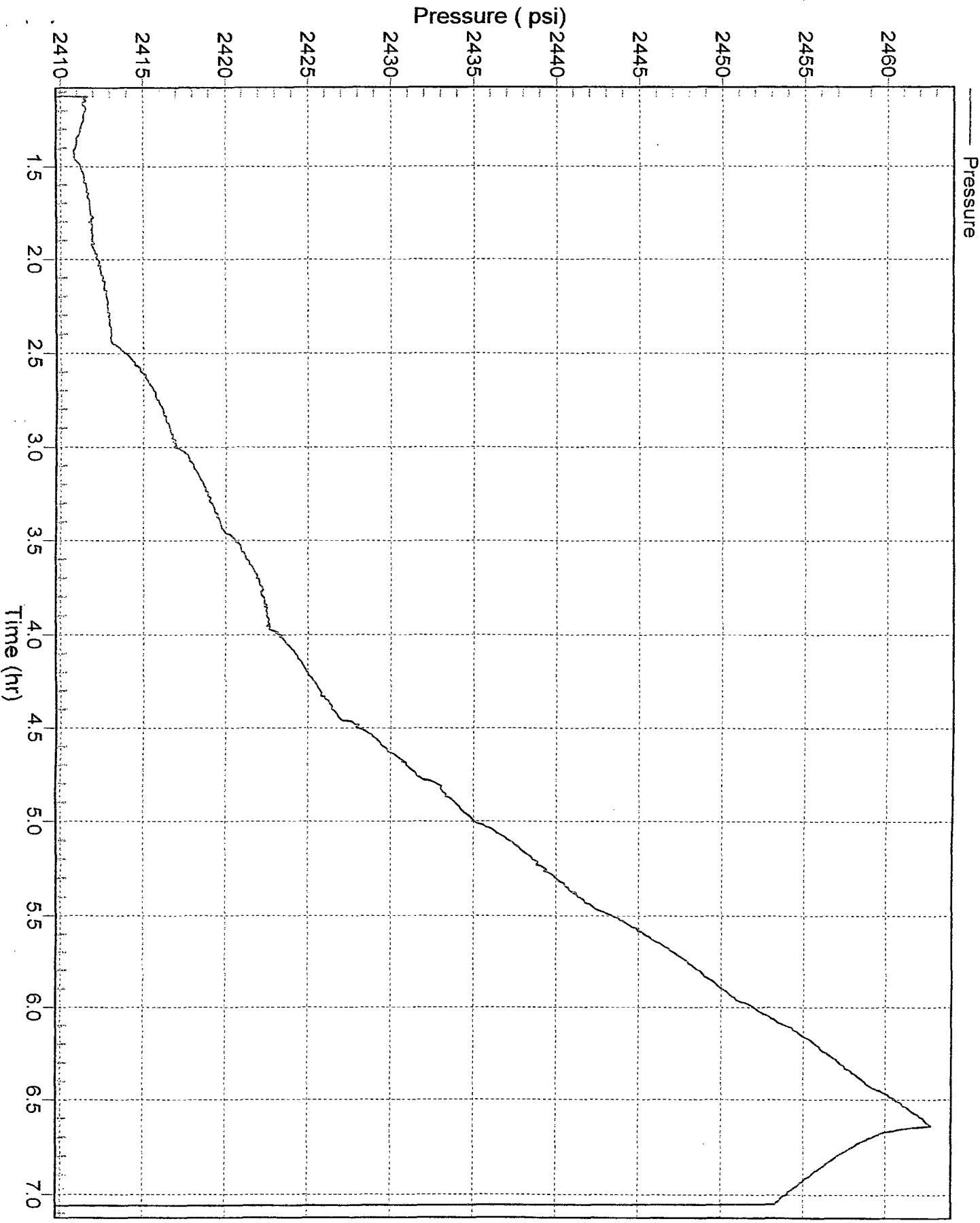
STEP RATE TEST
 CIMAREX
 WERSELL FEDERAL COM #2 SWD
 2/28/2008

PRECISION
 PRESSURE
 DATA, INC.



CIMAREX - WERSELL FEDERAL COM #2 SWD

Step Rate Test 2/28/2008 Bottom Hole Pressure Data



CIMAREX - WERSELL FEDERAL COM #2 SWD

Step Rate Test 2/28/2008 Surface Pressure Data

Pressure

