

DATE IN 2/2/09	SUSPENSE	ENGINEER T. Warnell	LOGGED IN 2/2/09	TYPE 141	APP NO. PRAA09033.53961
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ABOVE THIS LINE FOR DIVISION USE ONLY

RECEIVED

2009 FEB 2 AM 9 39

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



30-D15-29549
Remuda Basin SWD
Devon
6137

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 _____

SWD 951
814 PSI 11/78
12
28
285645-005

[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.

Ronnie Slack
Print or Type Name

Ronnie Slack
Signature

Engineering Tech
Title

1/30/09
Date

Ronnie.Slack@Dvn.com
e-mail Address



Devon Energy Corporation
20 North Broadway
Oklahoma City, OK 73102-8260

405 235 3611 Phone
www.devonenergy.com

January 30, 2009

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

RE: Remuda Basin SWD 1; 30-015-29549; Admin Order SWD-951
Application to increase surface injection pressure
SWD-951 approved 11/19/04; Commenced Injection 4/27/06
Delaware Bell & Cherry Canyon Formation
Eddy County, Section 20, T23S, R30E

Gentlemen:

Devon is requesting that the current approved surface injection pressure of 814 psi be increased to 1178 psi. Enclosed is step rate test dated 1/20/09 for your review.

An increase in surface injection pressure to 1178 psi, (corresponding BHP of 3042 psi) would allow Devon to increase disposal capacity. The step rate test indicates that these pressures are below any indicated parting pressures.

If you have any questions, please contact Jim Cromer at (405)-228-4464 or myself at (405)-552-4615. Thank you for your cooperation in this matter.

Sincerely,

Ronnie Slack
Engineering Technician

RS/rs
Enclosure

DEVON ENERGY

REMUDA BASIN 20 FEDERAL #1
EDDY COUNTY, NEW MEXICO

TEST DATE
1/20/2009

1178 psi

STEP RATE TEST

Ran step rate test with 1 electronic pressure instrument @ run depth of
4,418'.

STEP RATE TEST

DEVON ENERGY

REMUDA BASIN 20 FEDERAL #1

TEST DATE 1/20/2009

[illegible]

Perforations: 4124-4712

Total Depth: 4875

Pkr. Depth: 4043

Instrument #: 78298

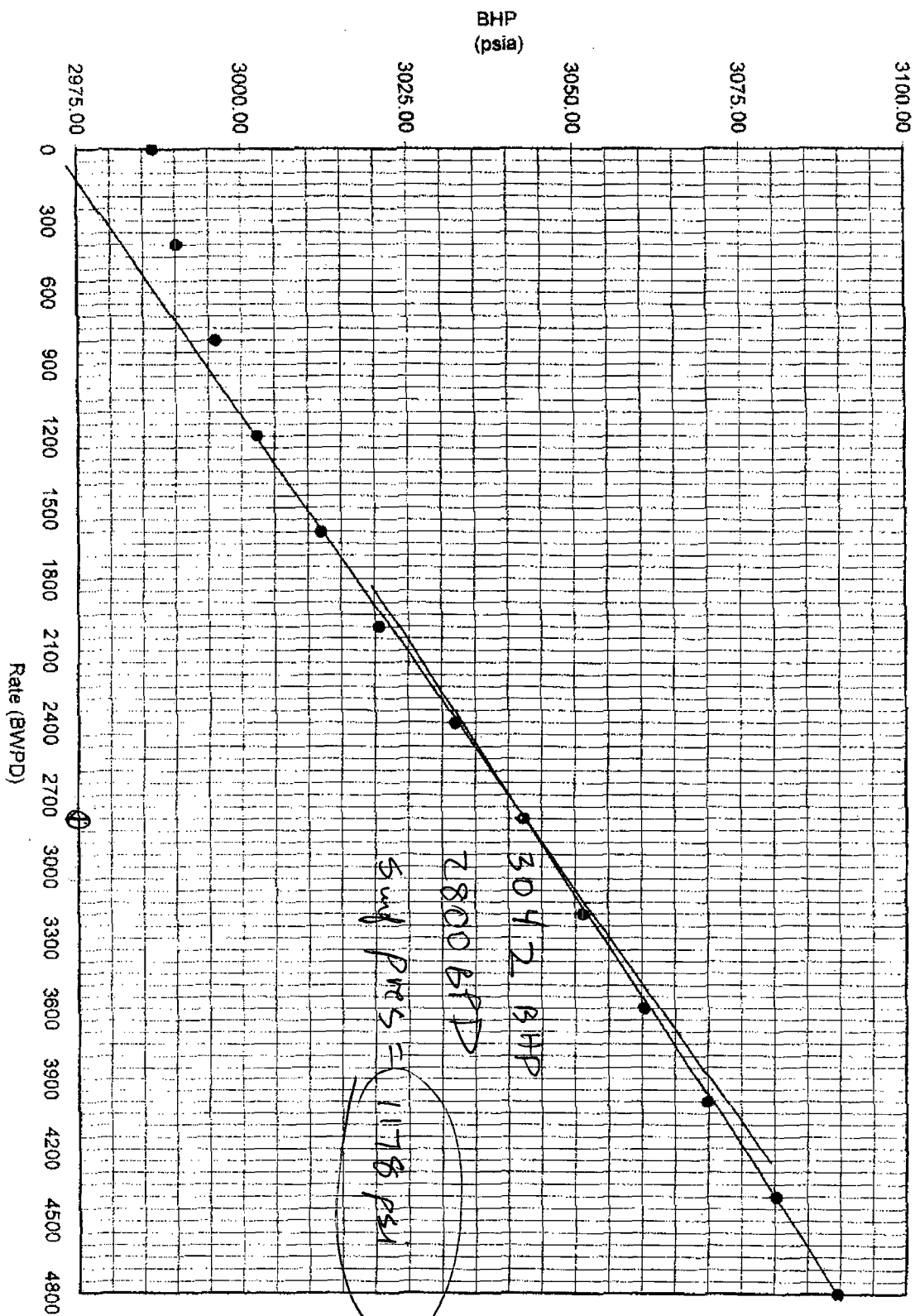
TEST RESULTS

Small break @ 3043 BHP (psia) @ 2800 BWPD

There was a lot of restriction in well. Surface pressure dropped back to 900 psi when we shut the pump down.

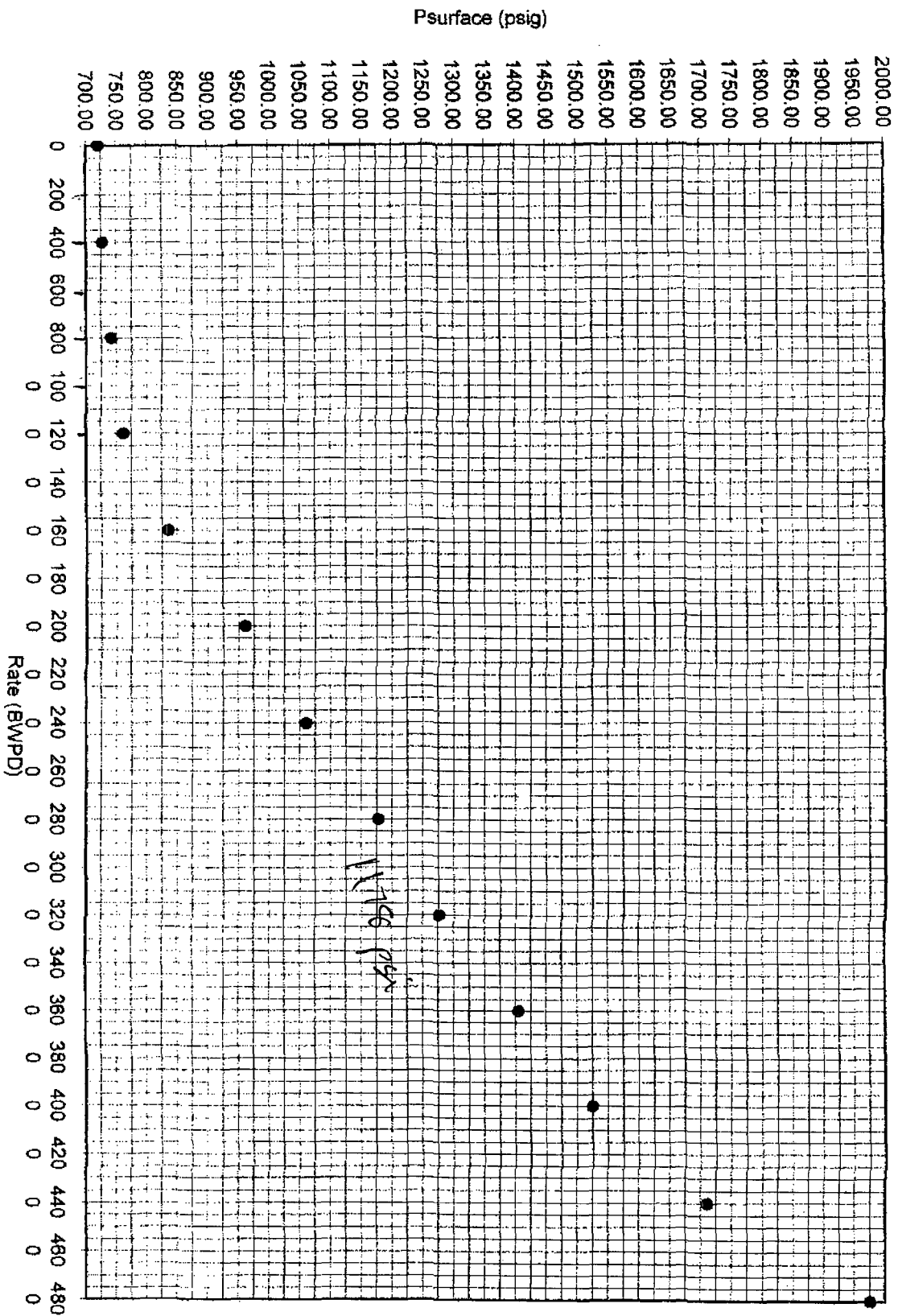
STEP RATE TEST
DEVON ENERGY
REMUDA BASIN 20 FEDERAL #1
1/20/2009

PRECISION
PRESSURE
DATA, INC.



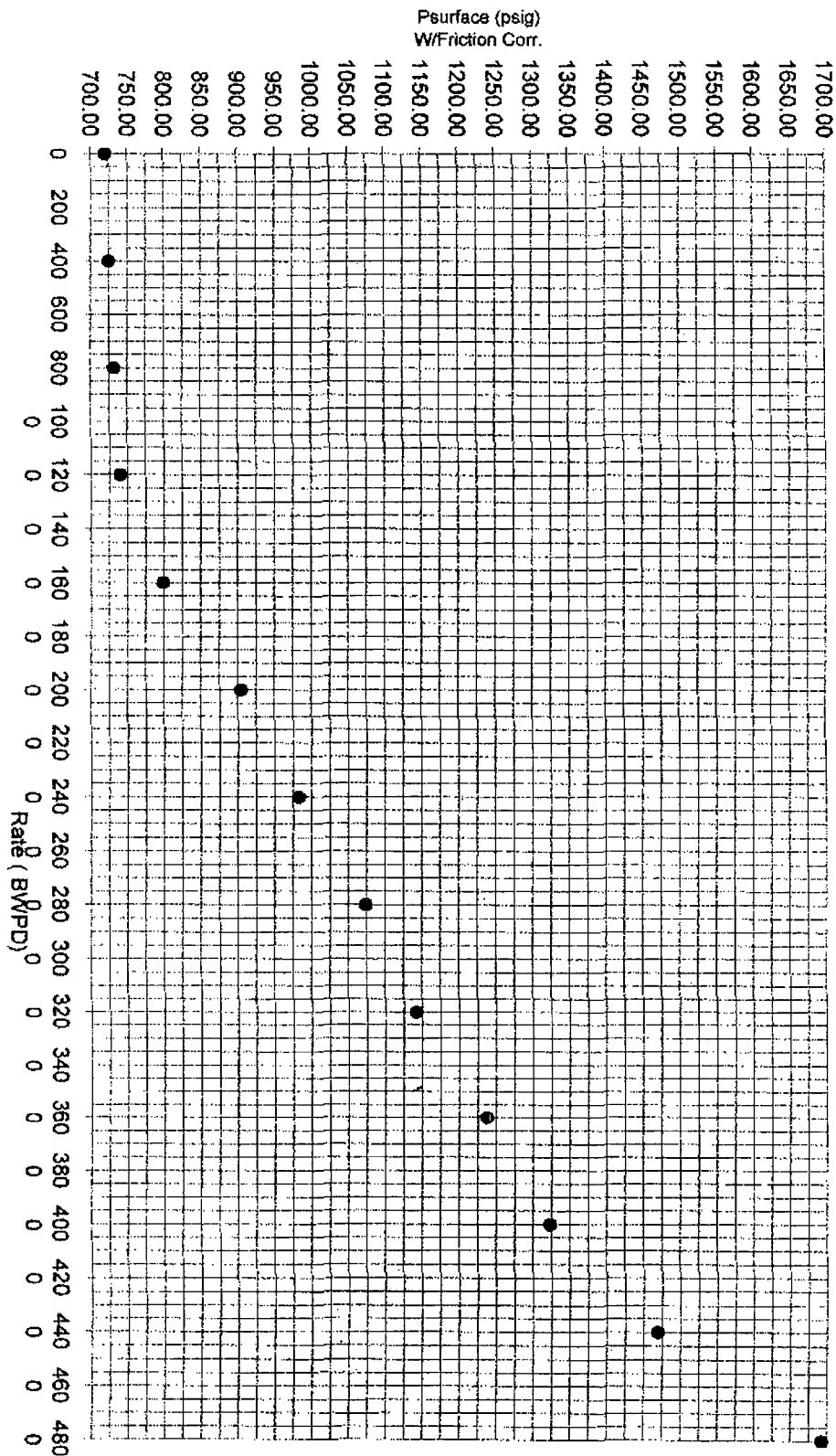
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DATA, INC.



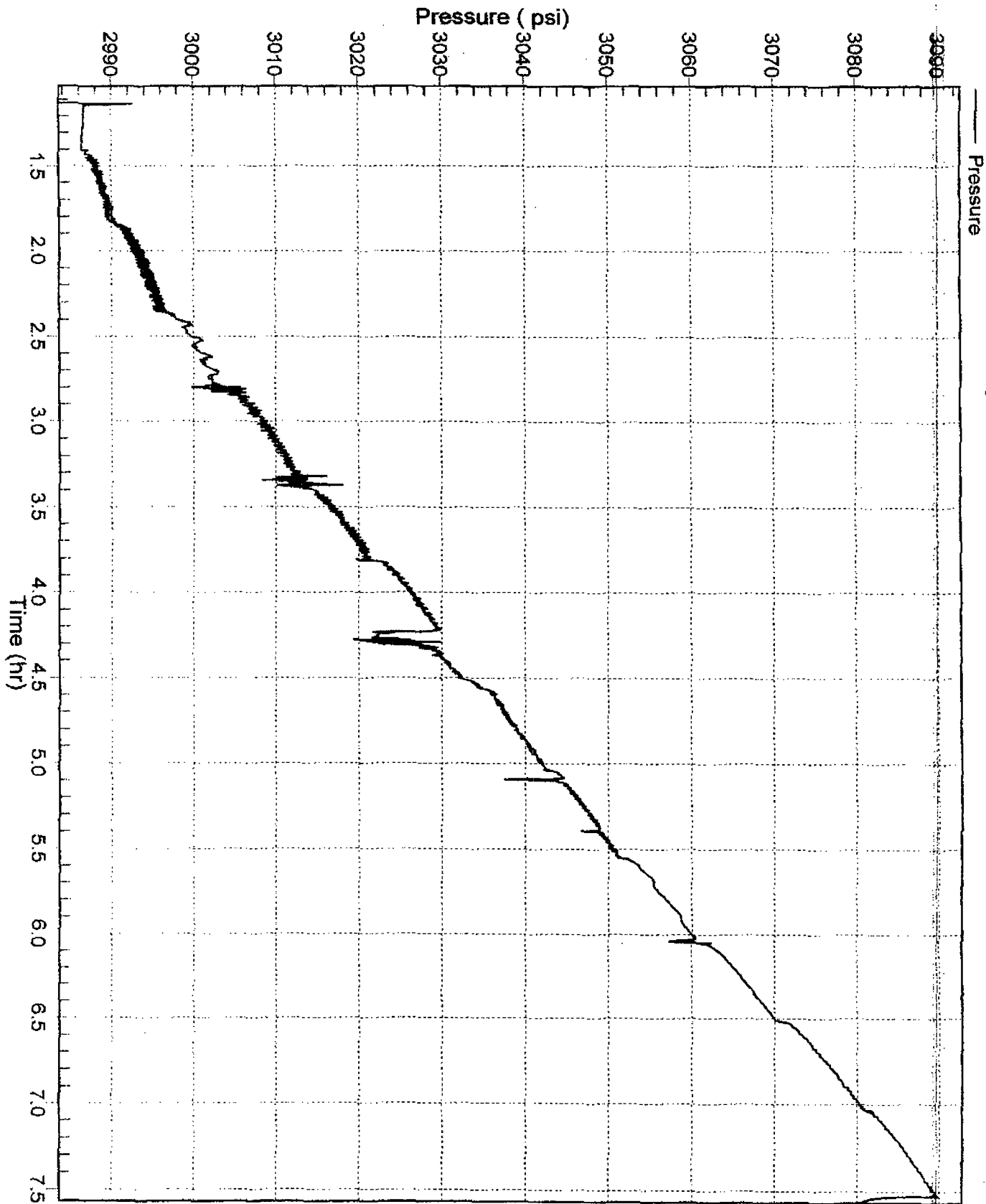
STEP RATE TEST
 DEVON ENERGY
 REMUDA BASIN 20 FEDERAL #1
 1/20/2009

PRECISION
 PRESSURE
 DATA, INC.



DEVON ENERGY - REMUDA BASIN 20 FEDERAL #1

Step Rate Test 1/20/2009 Bottom Hole Pressure Data





Devon Energy Corporation
20 North Broadway
Oklahoma City, OK 73102-8260

405 235 3611 Phone
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January 30, 2009

Oil Conservation Division
Attn: Engineering Bureau
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Sincerely,

A handwritten signature in cursive script that reads "Ronnie Slack".

Ronnie Slack
Engineering Technician

RS/rs
Enclosure

DEVON ENERGY

REMUDA BASIN 20 FEDERAL #1 EDDY COUNTY, NEW MEXICO

TEST DATE
1/20/2009

1178 psi

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STEP RATE TEST

DEVON ENERGY

REMUDA BASIN 20 FEDERAL #1

TEST DATE 1/20/2009

[illegible]

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Total Depth: 4875

Pkr. Depth: 4043

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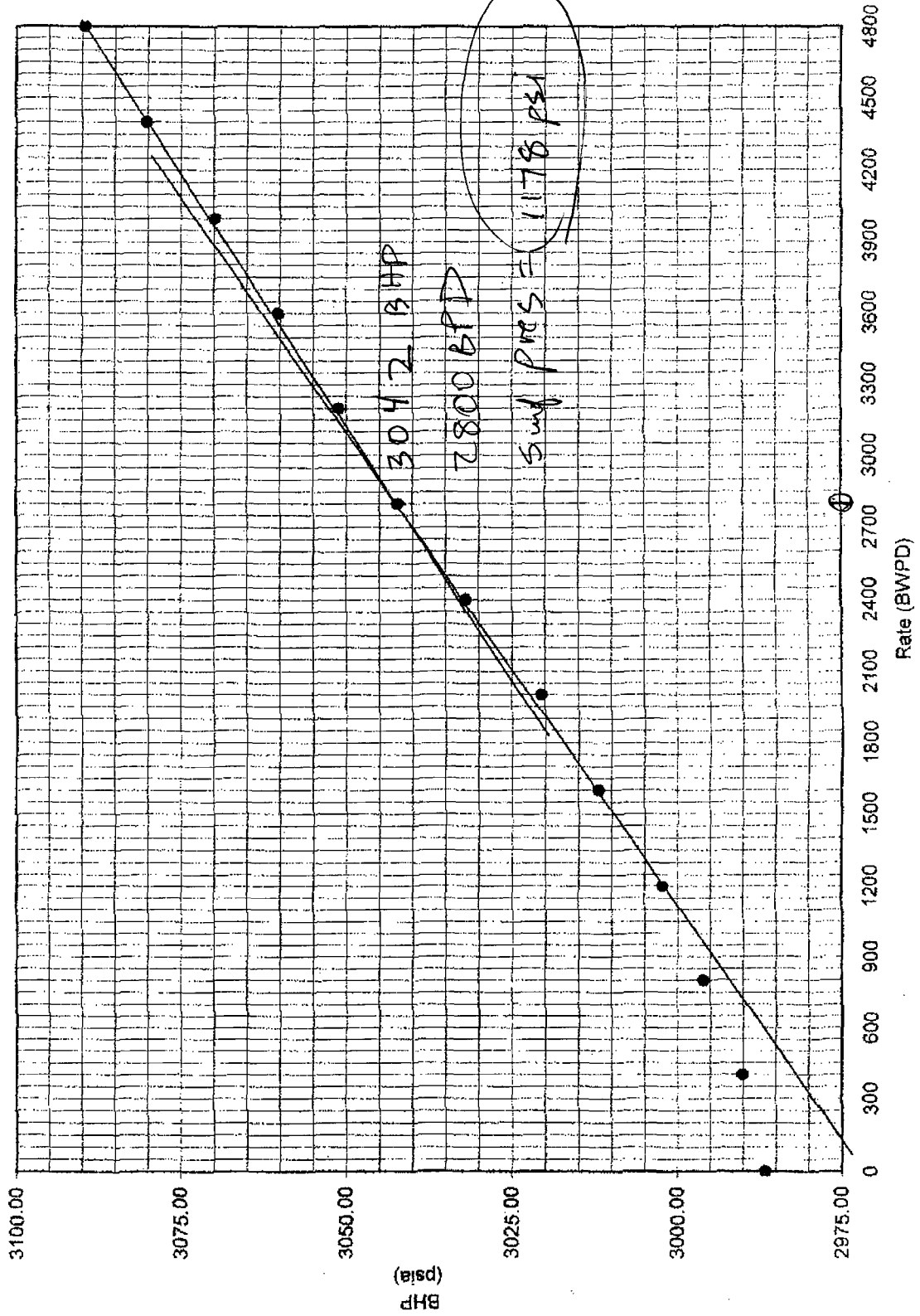
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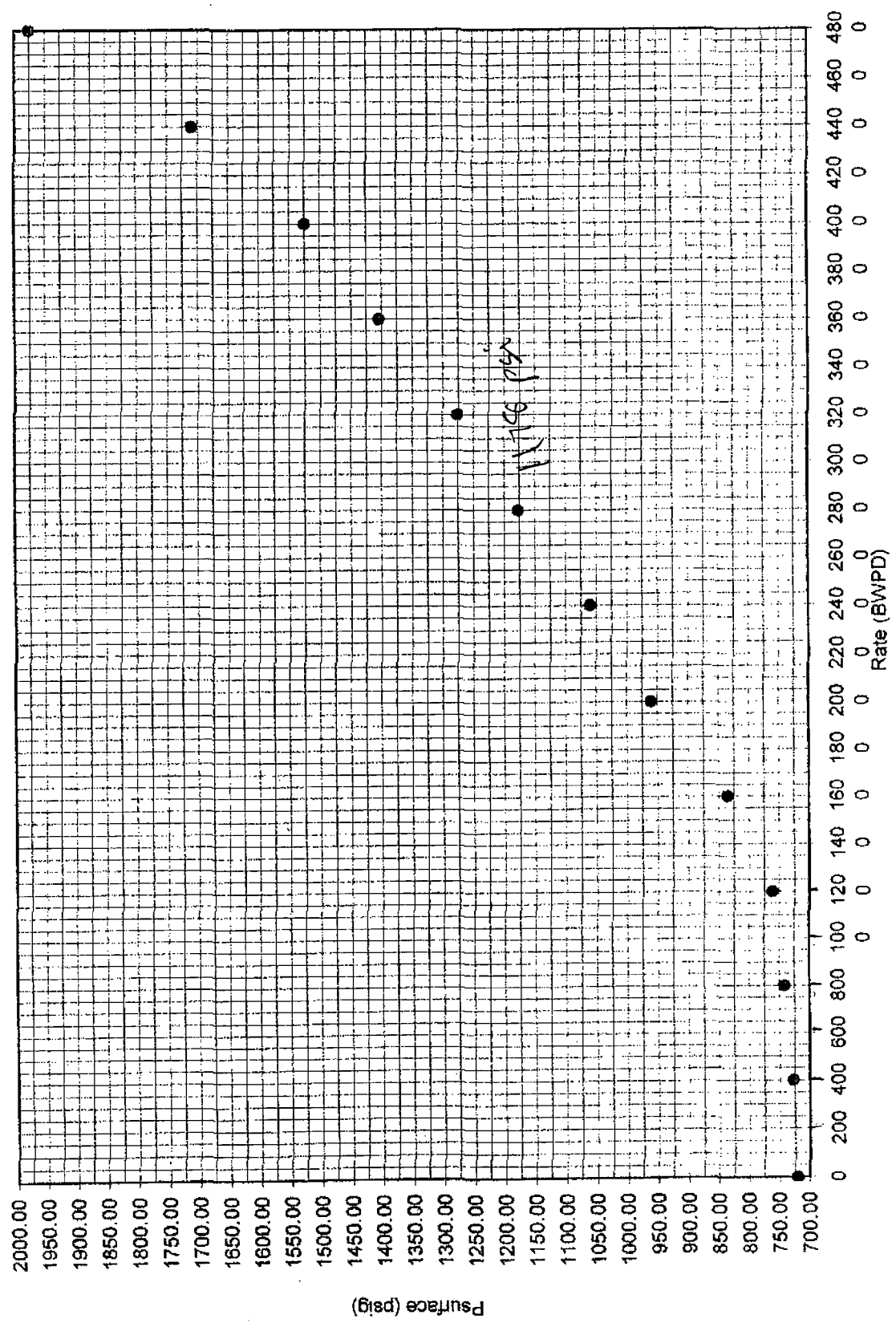
PRECISION PRESSURE DATA, INC. • P. O. BOX 8571 • MIDLAND, TEXAS 79708-8571 • (432) 570-7800



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DATA, INC.

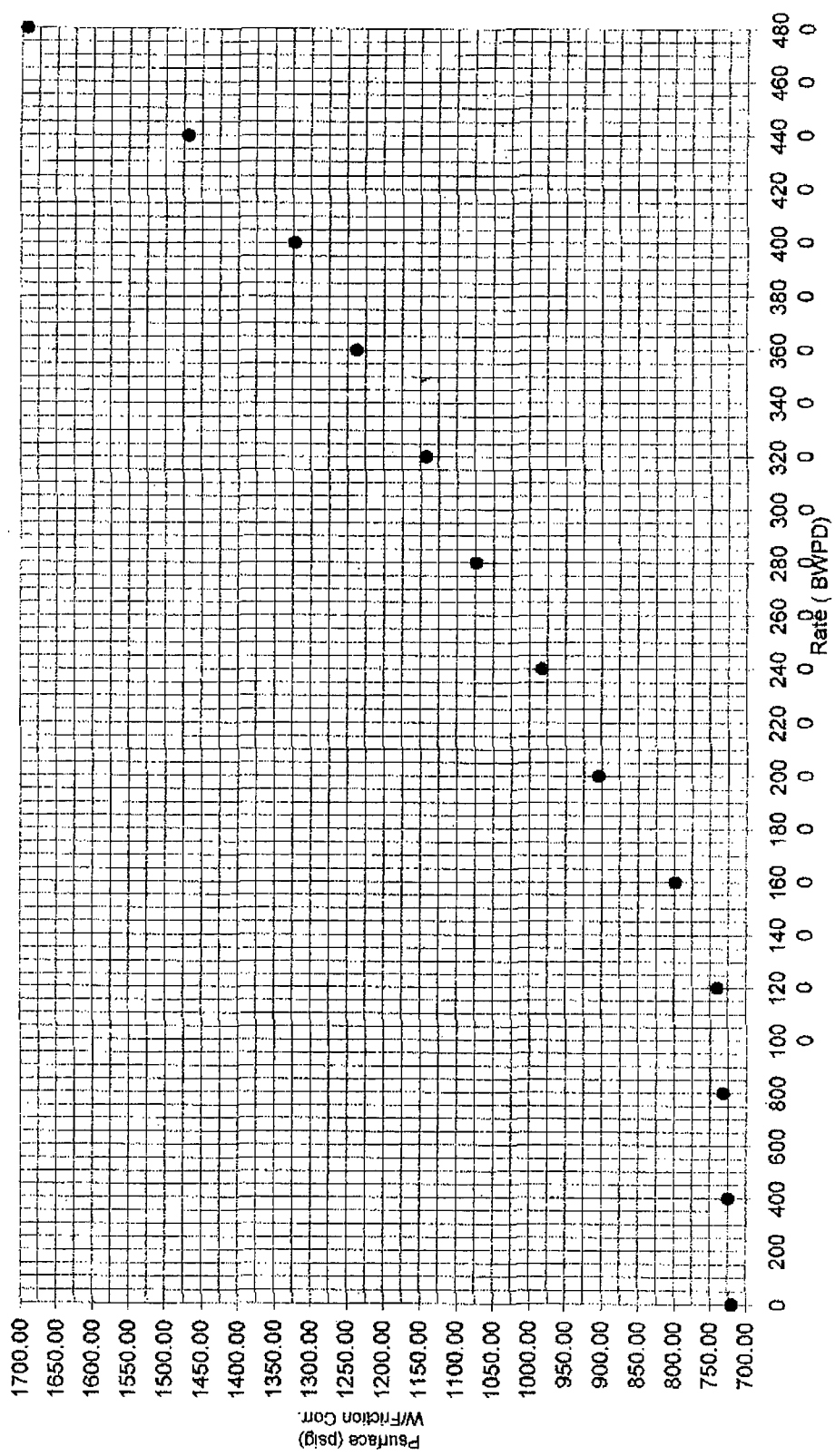
STEP RATE TEST
DEVON ENERGY
REMUDA BASIN 20 FEDERAL #1
1/20/2009

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STEP RATE TEST
DEVON ENERGY
REMUDA BASIN 20 FEDERAL #1
1/20/2009

PRECISION
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DEVON ENERGY - REMUDA BASIN 20 FEDERAL #1

Step Rate Test 1/20/2009 Bottom Hole Pressure Data

