

10/19/06 DATE IN	SUSPENSE	D. CAPANACH ENGINEER	10/20/06 LOGGED IN	IPI TYPE	APP NO. PDS0629350073
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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

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.

Print or Type Name

Signature

Title

Date

e-mail Address



POGO PRODUCING COMPANY

October 16, 2006

New Mexico Oil Conservation Division
Attn: Mr. David Catanach
1220 South St. Francis Drive
Santa Fe, NM 87505

2006 OCT 19 PM 12 42

Re: SDS "11" Federal #1 SWD
Step-Rate Test

Gentlemen:

Pogo Producing Company respectfully requests an increase in the maximum allowable surface injection pressure from the current 902 PSI to 2200 PSI.

This is based on a step-rate test performed on October 6, 2006 by Precision Pressure Data. A copy of the test results is attached.

If you have any question, please contact me at (432)685-8100.

Thank you,

Barrett L. Smith
Division Operations Engineer
Pogo Producing Company

POGO PRODUCING CO

SDS "11" FEDERAL #1

Test Date
10/06/2006

Step Rate Test

Ran step rate test with electric surface readout unit, 1 electronic pressure instrument @ run depth of 4666' and surface pressure transducer.

POGO PRODUCING CO.
SDS "11" FEDERAL #1
TEST DATE 10/06/2006

[illegible]

Run Depth: 4666 (mid perfs)

Perforations: 4510-4822

Formation:

Total Depth: 4920

Tubing Depth: 4420

Pkr. Depth: 4420

Tested By: J. Chesshir

Instrument #: 75045

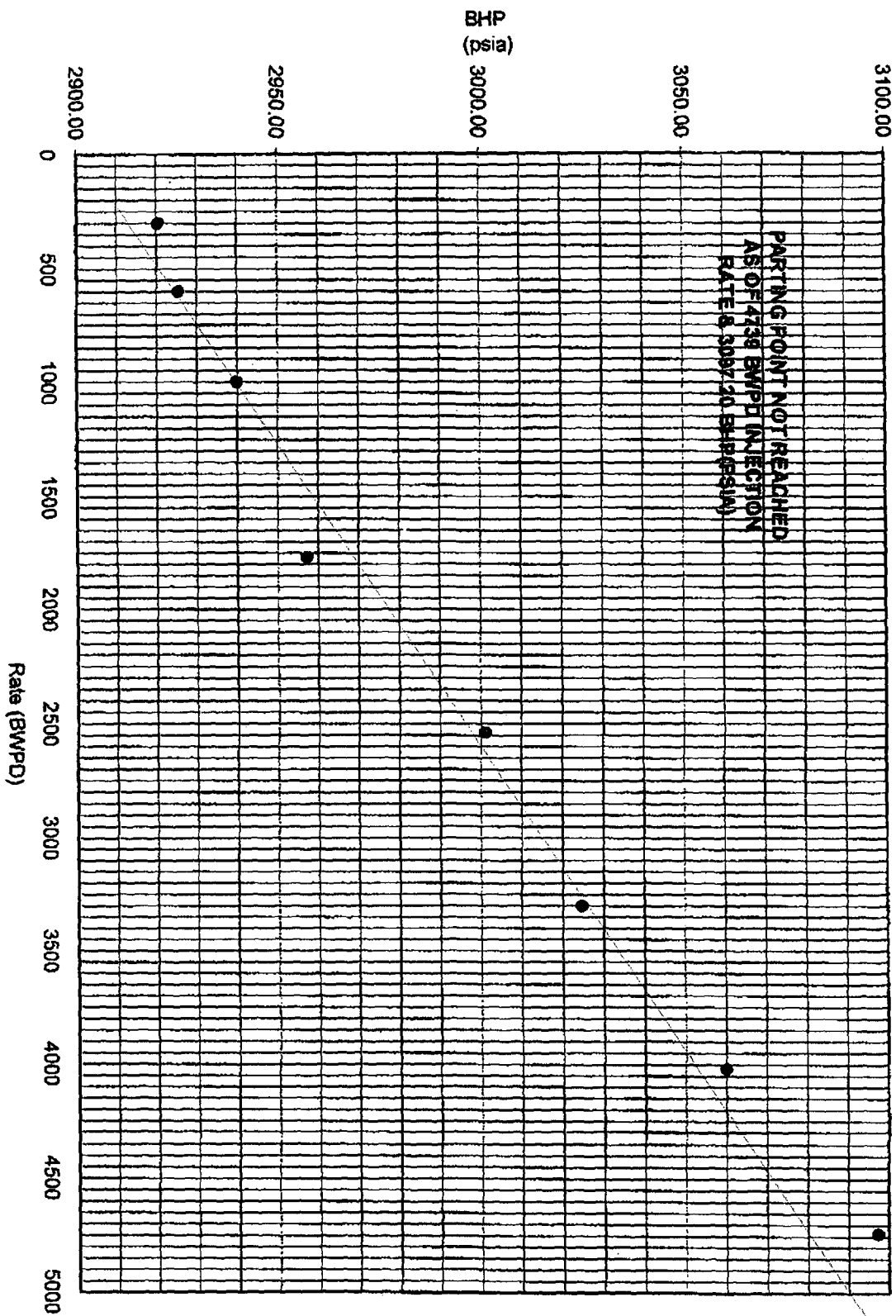
TEST RESULTS

Test Inconclusive-Parting point not reached as of 4739 BWPD injection rate & 3097.20 BHP(PSIA)

Had trouble getting in hole with gauge. Had to pump 300 BPD rate to get on down tubing with gauge. Surface pressure rising drastically more than it should due to restriction problems in tubing. Shut down at 2250 PSI surface pressure to avoid unsafe conditions at a higher rate.

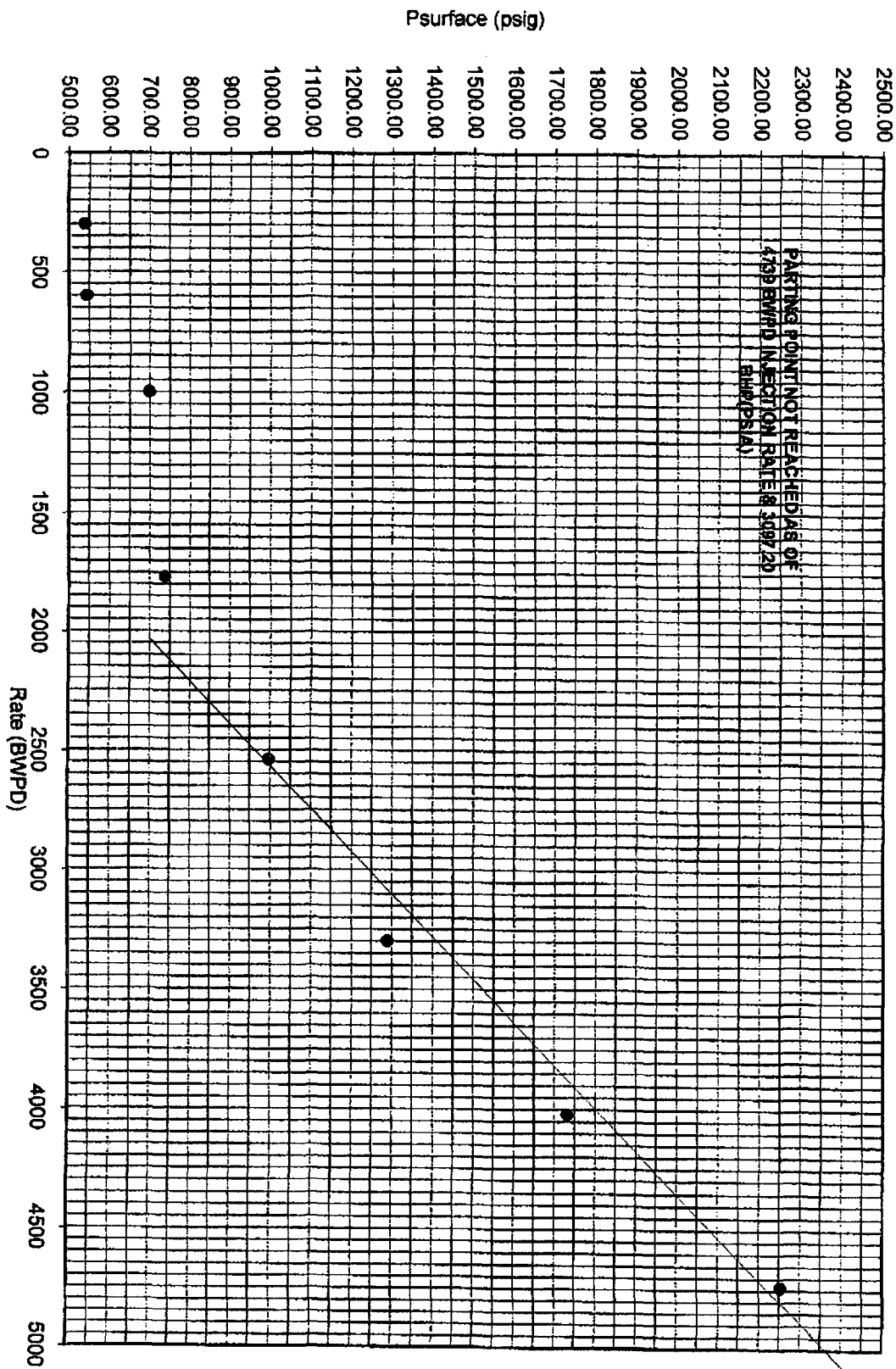
Step Rate Test
 Pogo Producing Co.
 SDS "11" Federal #1
 10/06/2006

PRECISION
 PRESSURE
 DATA, INC.

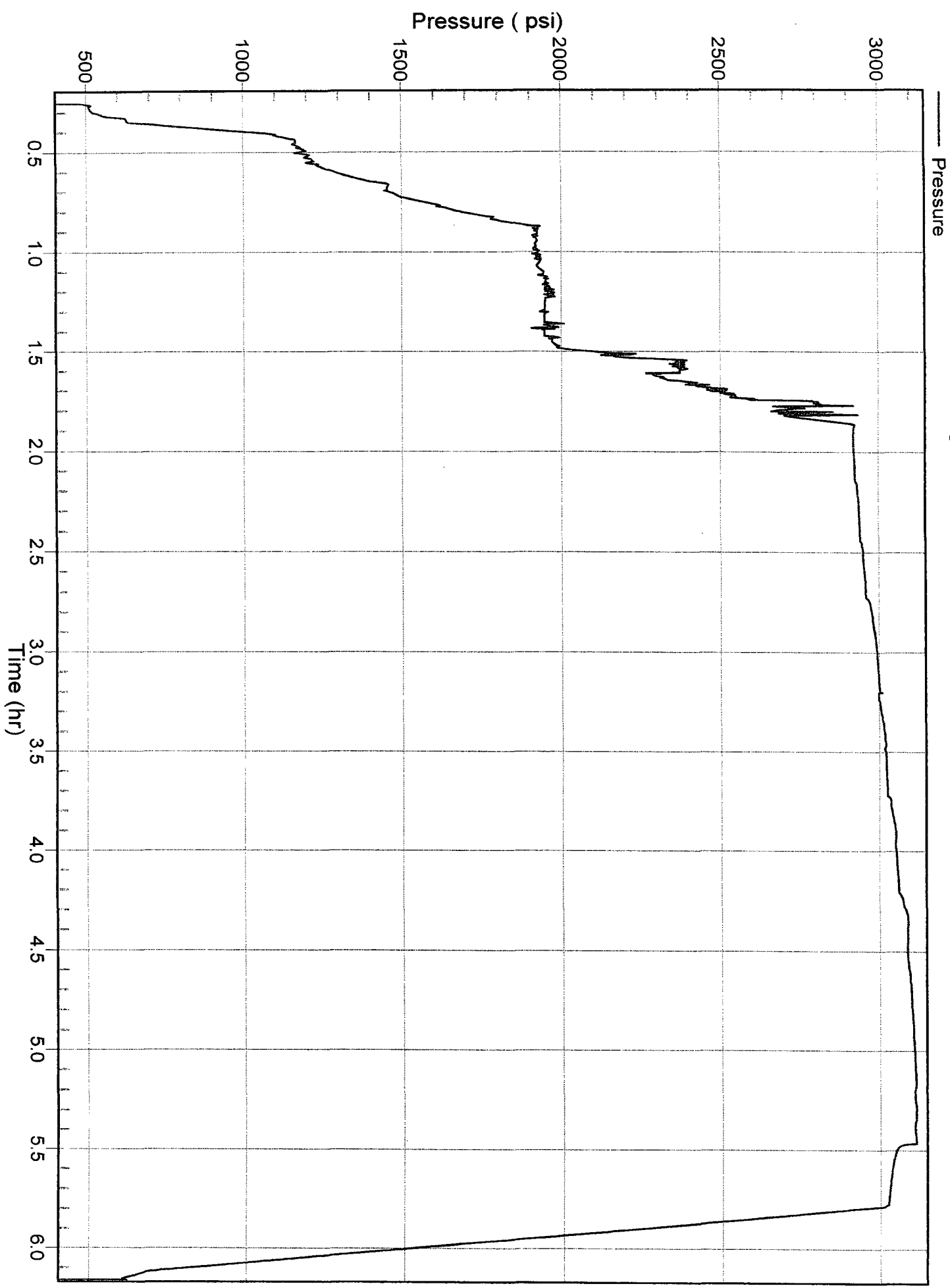


Step Rate Test
 Pogo Producing Co.
 SDS "1" Federal #1
 10/06/2006

PRECISION
 PRESSURE
 DATA, INC.



POGO PRODUCING CO. - SDS "11" FEDERAL #1
Step Rate Test 10/06/2006 Bottom Hole Pressure Data



POGO PRODUCING CO. - SDS "1" FEDERAL #1

Step Rate Test 10/06/2006 Surface Pressure Data

