

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



262

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 _____			

CBS OPERATING CORP.

P. O. BOX 2236, MIDLAND, TX 79702 432/685-0878 FAX 685-1945

F A C S I M I L E M E S S A G E

TO: DAVID CATAUACH 909-476-3462

LOCATION: UNOCD - SANTA FE

FROM: MANNY SIRGO

DATE: 11-4-05

MESSAGE: 2ND STEP RATE TEST
@ NORTH GRUBBE LAKE UNIT
USLU #5

NUMBER OF PAGES TO BE TRANSMITTED - INCLUDING TOP SHEET: 2/10

IF ANY ERROR WHEN TRANSMITTING, PLEASE CALL (915) 685-0878

CBS OPERATING CORP.

P. O. BOX 2236, MIDLAND, TX 79702 432/685-0878 FAX 685-1945

November 4, 2005

Oil Conservation Division
New Mexico EMNRD
1220 South St Francis Drive
Santa Fe, New Mexico 87505

Attention: Mr. David Catanach

Re: Request for Maximum Injection
Pressure Increase PMX 224
NSLU #5 API No. 30-015-10322
North Square Lake Unit
Eddy County, New Mexico

Mr. Catanach,

CBS Operating Corp. respectfully requests a maximum surface pressure increase for the referenced water injection well to a surface injection pressure of 1990#.

Attached is a step rate test for the referenced well indicating the following:

Bottom Hole Parting Pressure: 3692#

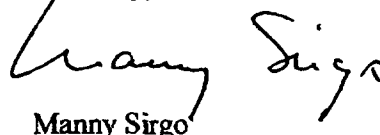
Surface Injection Pressure @ Parting Pressure: 2040#

Injection Rate: 566 bwpd

Additionally attached please find a wellbore sketch for the referenced well.

If you need any additional information to evaluate this request, please do not hesitate to call me at 432/413-0085.

Sincerely,



Manny Sirgo

MAS/pr

CBS OPER.

NSLU #4

WELLBORE DIAGRAM

K.B. ELEV.: _____
 K.B. CORRECTION: _____
 G.L. ELEV.: 3940

HOLE SIZE: _____"

13 3/8" 54 GRADE
 SET AT 28
 CEMENT WITH 22 SX

HOLE SIZE: _____"

PKR @ 3010

PERFS: 3124-3460' 1SPF
 PERFS: (125 holes)
 PERFS: _____
 PERFS: _____

HOLE SIZE: _____"

5 1/2" 14 GRADE
 SET AT 3494
 CEMENT WITH 150 SX STGS

FIELD: SQUARE LAKE GB SA
 FORMATION: GB SA

PBTD: 3490'TOTAL DEPTH: 3500'API WELL NO. 30-015-10322LEASE NAME: NORTH SQUARE LAKE UNIT (Rowley Fed #2) WELL NO.: 5WELLBORE DIAGRAM AS OF DATE: JANUARY, 2005STATE: NEW MEXICO COUNTY: EDDY BLOCK: 44 L SECTION: 20TOWNSHIP: 16S RANGE: 31E LEGAL: 1650' FSL + 990' PWLOPERATOR: CBS OPERATING CORP. WORKING INTEREST: _____ ROYALTY INTEREST: _____COMPLETION DATE: 3-26-64 CURRENT STATUS: (PMP) (FLOW) (INJ) (T/A) (SI) _____REMARKS: 2-9-05 Convert to water injection - re-perforate

CBS OPERATING CORP.

NSLU #5

**Test Date
11/3/2005**

Step Rate Test

Ran step rate test with electric surface readout unit, 1 electronic pressure instrument @ run depth of 3292' and surface pressure transducer.

Step Rate Test

CBS OPERATING CORP.

NSLU #5

TEST DATE 11/3/2005

Injection Rate (BWPD)	Psurface (psig)	B.H.P. (psia)	Psurface W/O FRICTION
0	15.30	1602.70	15.30
50	1198.60	2824.40	1198.10
100	1271.30	2931.30	1270.30
150	1381.20	3070.40	1379.70
200	1497.20	3162.10	1495.20
250	1578.10	3263.00	1575.10
300	1657.90	3350.10	1653.90
350	1743.50	3425.30	1738.50
400	1815.70	3493.50	1809.70
450	1901.00	3564.00	1893.00
500	1941.80	3616.20	1931.80
550	2032.90	3664.70	2020.90
600	2044.60	3696.20	2030.60
650	2071.20	3717.20	2055.20
700	2084.40	3726.40	2066.40
750	2107.20	3735.30	2086.20

Run Depth: 3292 (mid perms)

Perforations: 3124-3460

Formation:

Total Depth: 3494

Tubing Depth: 3018

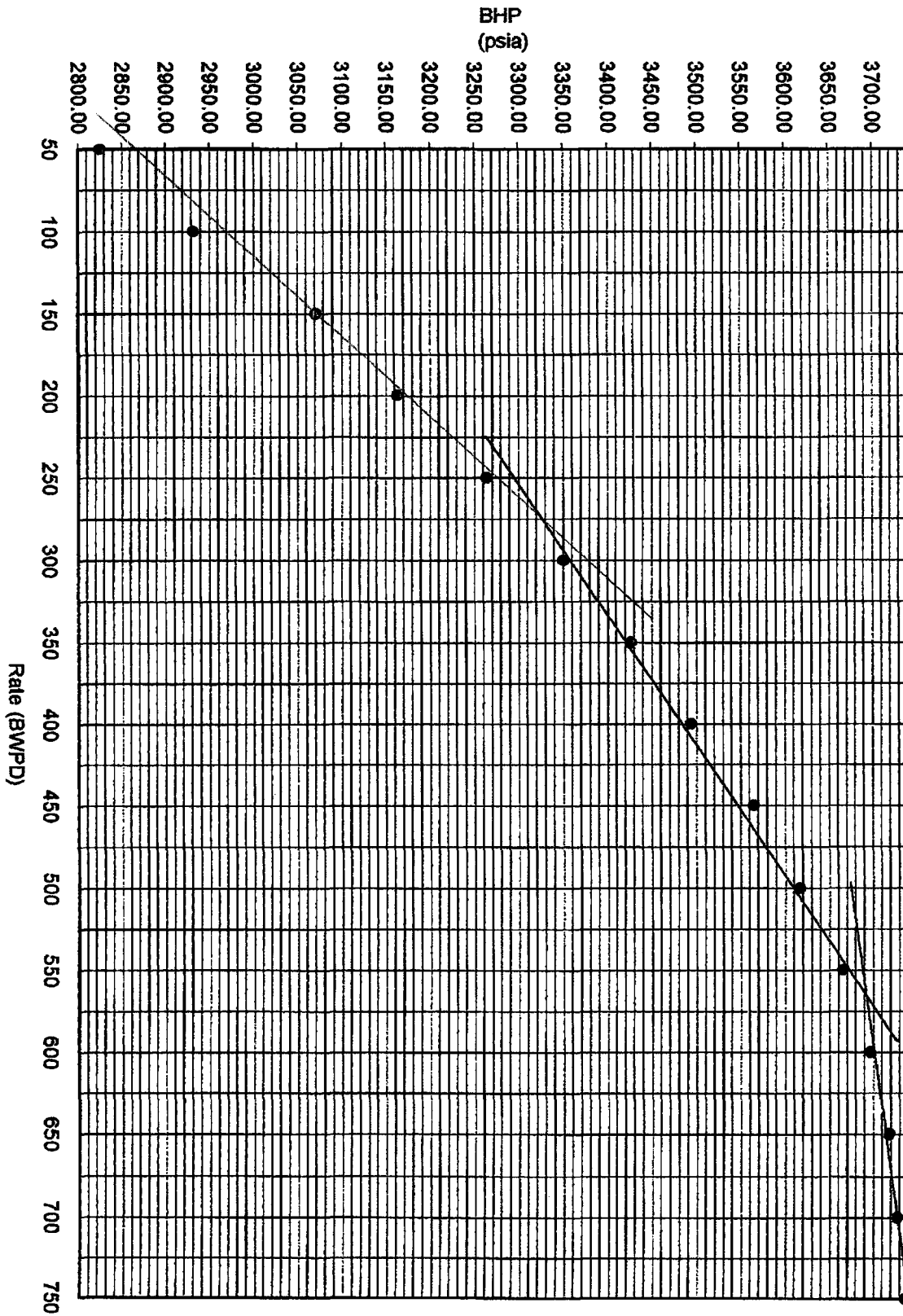
Pkr. Depth: 3018

Tested By : J. Chesshir

Instrument #: 75790

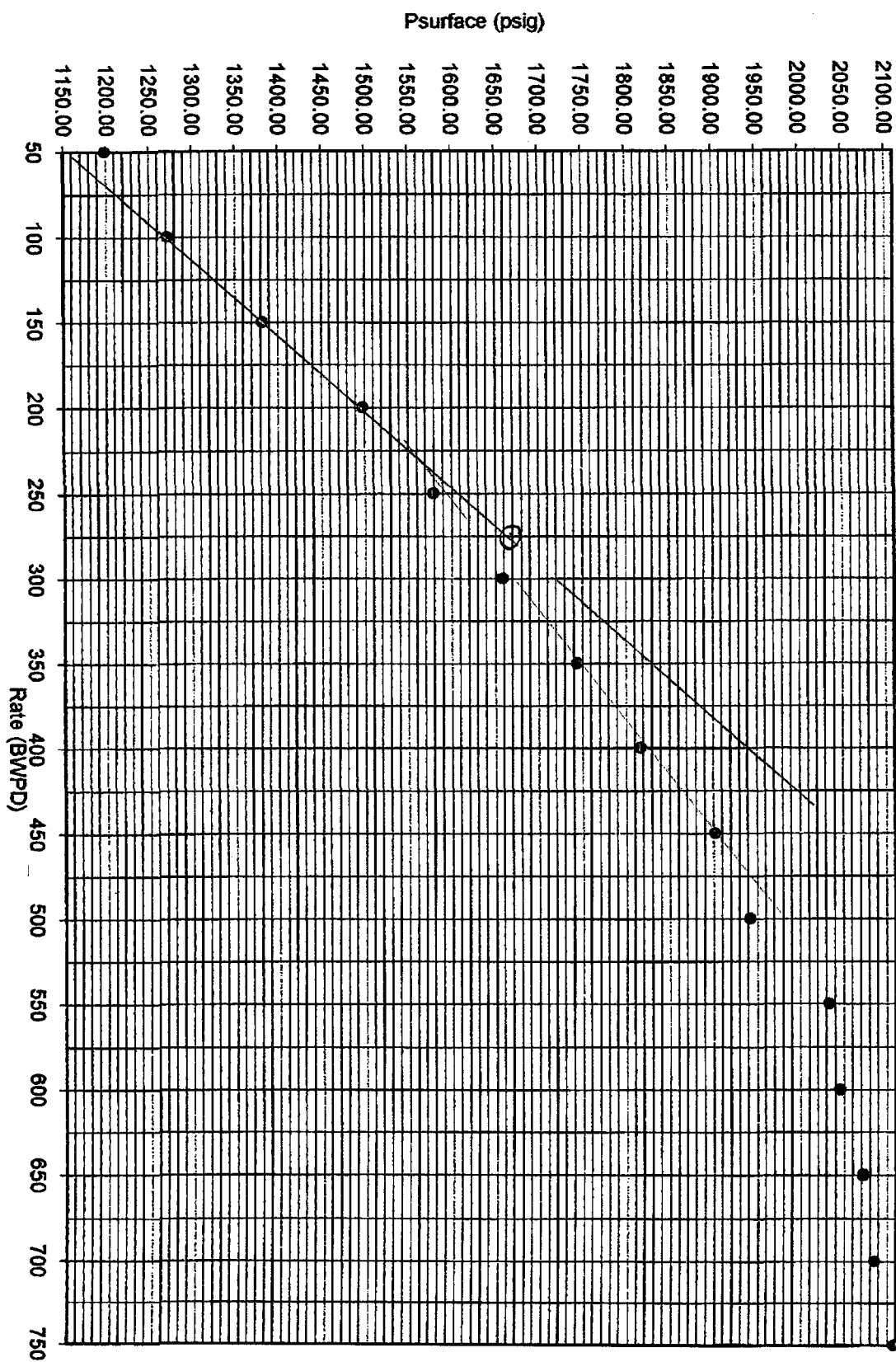
TEST RESULTS

Parting Pressure @ 3692 BHP (PSIA) @ 566 BWPD



Step Rate Test
CBS Operating Corp.
NSLU #5
11/3/2005

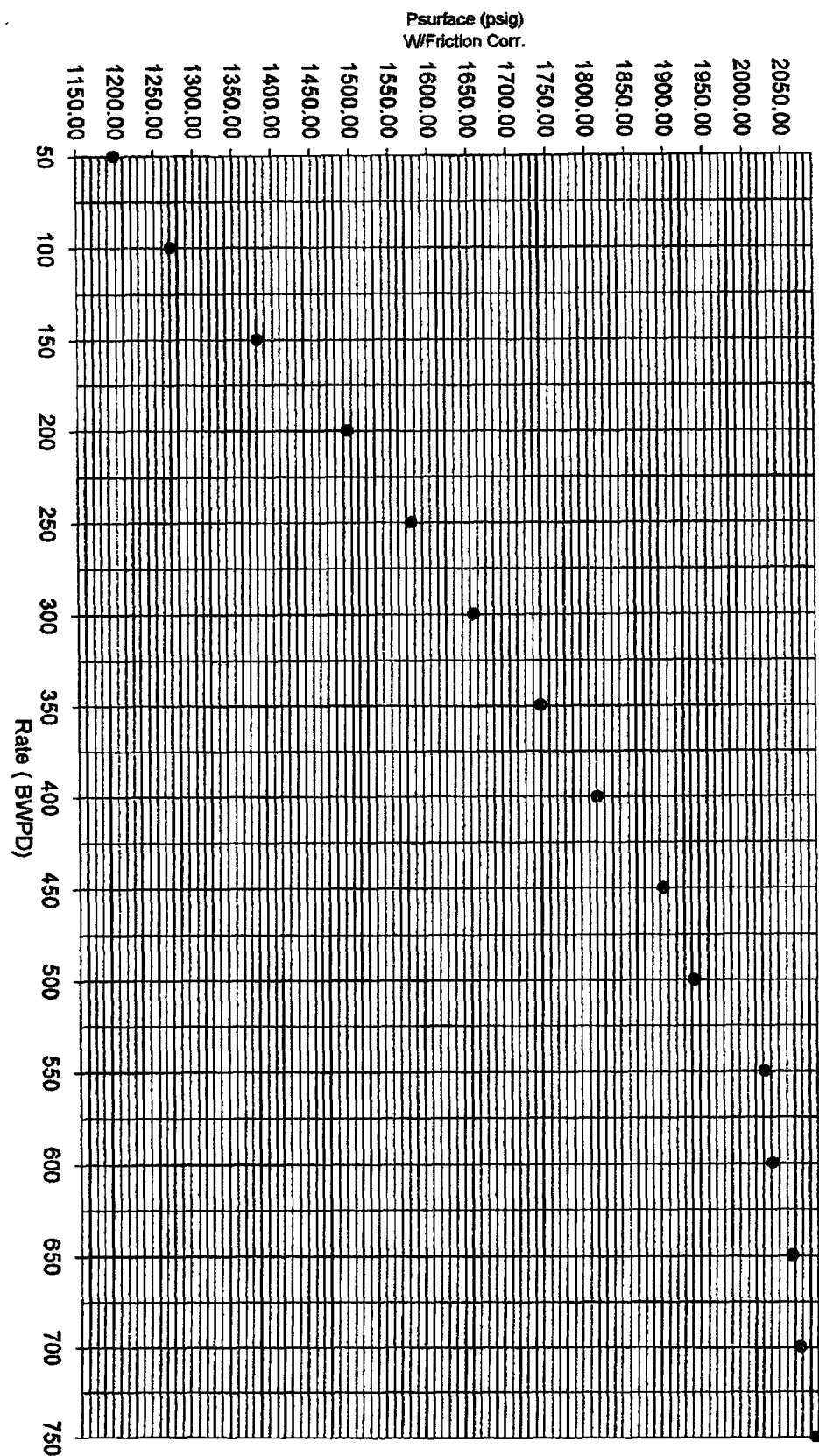
PRECISION
PRESSURE
DATA, INC.



Step Rate Test
CBS Operating Corp.
NSLU #5
11/3/2005

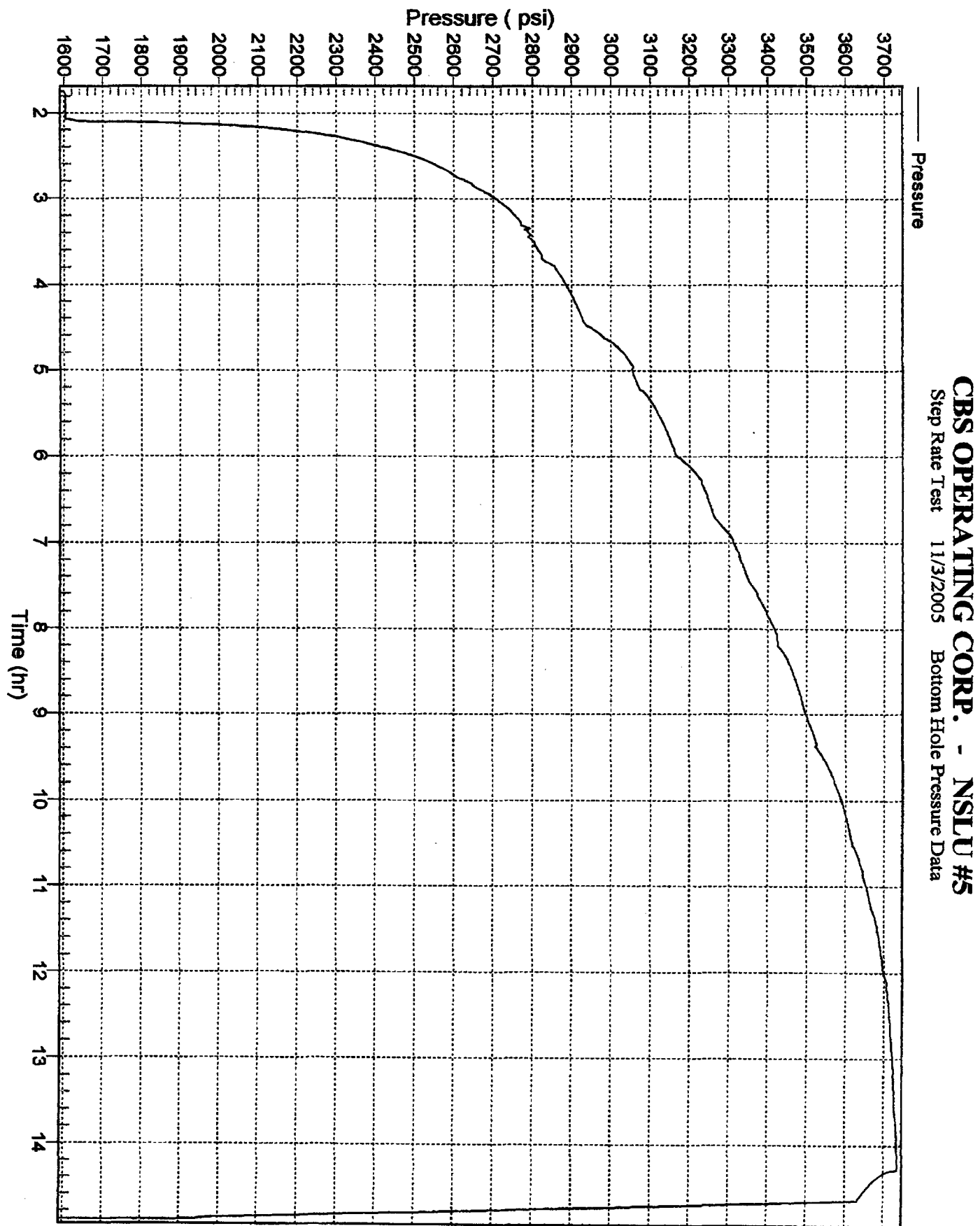
PRECISION
PRESSURE
DATA, INC.

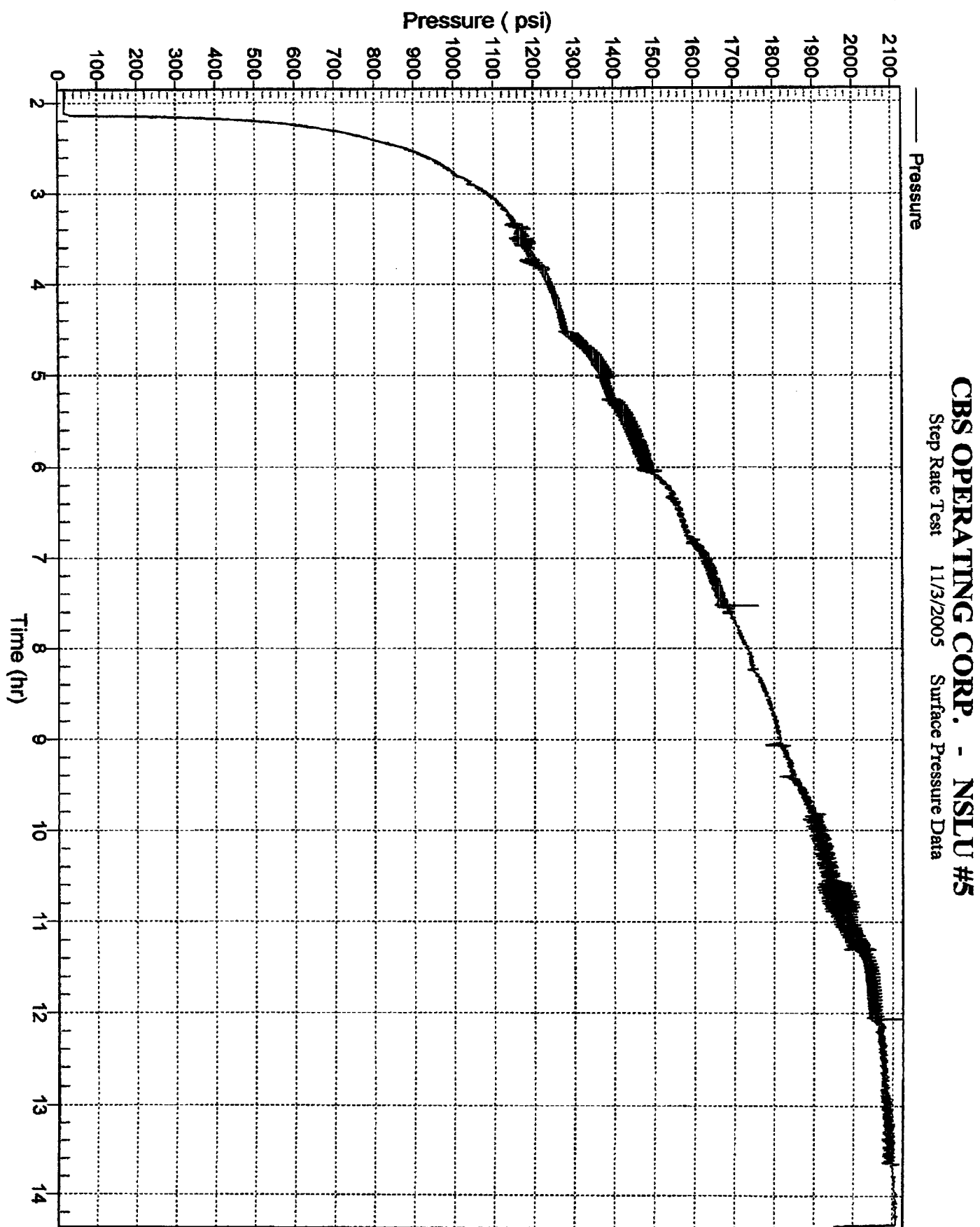
1670-50 = 1620



Step Rate Test
CBS Operating Corp.
NSLU #5
11/3/2005

PRECISION
PRESSURE
DATA, INC.





TRANSACTION REPORT

P. 01

NOV-09-2005 WED 09:00 AM

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