

11/29/05 DATE IN	11/29/05 SUSPENSE	DRC ENGINEER	12/1/05 LOGGED IN	IPI TYPE	PDRC0533550727 APP NO.
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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



263

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 CATANACH

LOCATION: NMOCD - SANTA FE

FROM: MANNY SIRGO

DATE: 11-29-05

MESSAGE: DAVID, HERE'S THE LAST ONE
(NSLU # 51), WHICH IS THE
LAST NSLU INJECTION WELL
THAT NEEDS A PRESSURE PERMIT.
I WOULD VERY MUCH APPRECIATE IT IF YOU
WOULD RECONSIDER THE STEP RATE TEST ON
THE #5. I DO NOT SEE THE BREAK @ 275 BWPD.
I THINK SOME OF THE EARLY TIME SLOPE WAS
FROM THE WELL BUILDING ON ITS OWN. REMEMBER
WE BLEW THE WELL DOWN TO GET BELOW
THE .2 PSI / FT STARTING POINT, AND IT HAD

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

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

BUILT BACK UP PASSED THAT POINT, BEFORE THEY
EVEN STARTED PUMPING. THE WELL HAS BEEN SI FOR
A WEEK AND CURRENTLY HAS 2000# ON IT. THE
1990# WE REQUESTED IS RIGHT IN LINE WITH THE
INDIVIDUAL FALL OFF TEST WE RAN FOR EACH ZONE.
THE WELL WILL NOT TAKE WATER AT THE 1620# YOU
APPROVED. THANKS MANNY

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

November 29, 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 WFX 473
NSLU #51 API No. 30-015-03926
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 1225#.

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

Bottom Hole Parting Pressure: 2889#

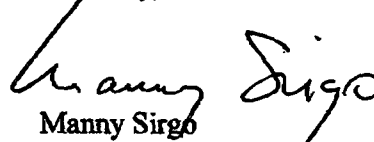
Surface Injection Pressure @ Parting Pressure: 1275#

Injection Rate: 283 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 OPERATING CORP.

NSLU #51

**Test Date
11/28/2005**

Step Rate Test

Ran step rate test with electric surface readout unit, 1 electronic pressure instrument @ run depth of 3100' and surface pressure transducer.

Step Rate Test

CBS OPERATING CORP.

NSLU #51

TEST DATE 11/28/2005

[illegible]

Run Depth: 3100

Perforations: 3014-3185

Formation:

Total Depth: 3185

Tubing Depth: 2954

Pkr. Depth: 2954

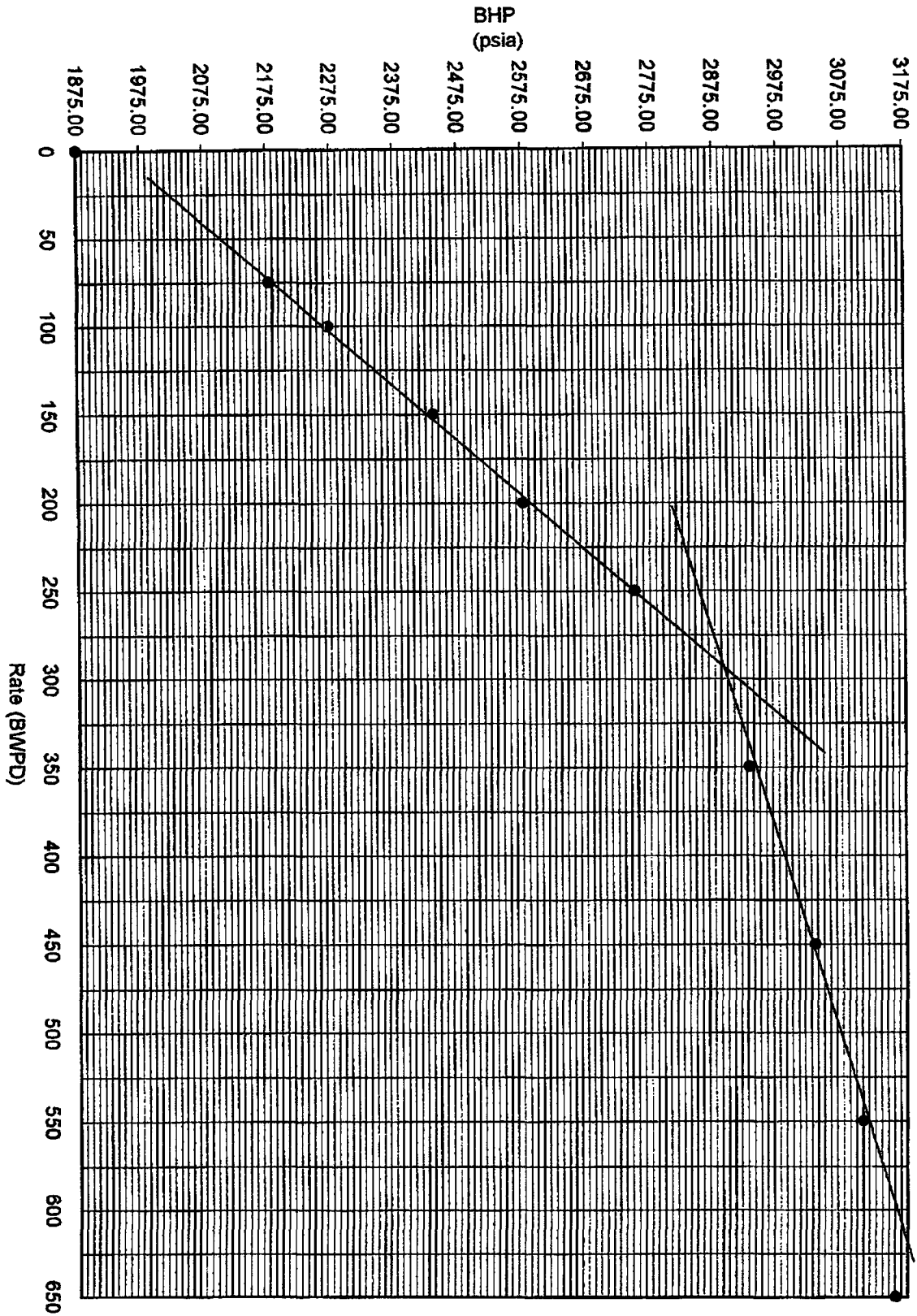
Tested By : J. Chesshir

Instrument #: 75790

TEST RESULTS

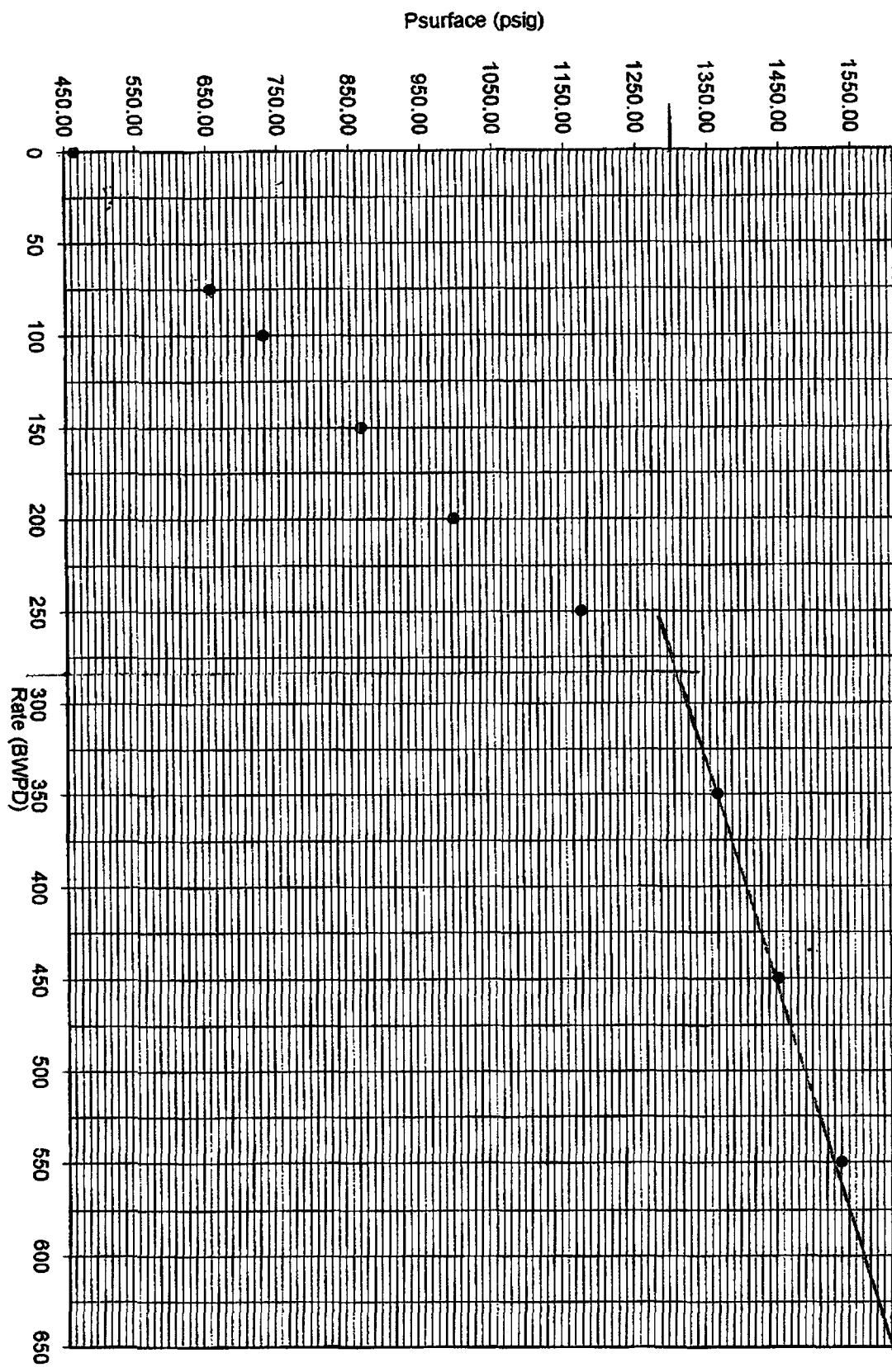
Parting Pressure @ 2889 BHP (PSIA) @ 283 BWPD

Pump truck messed up on the 450 bwpd rate. Ran rate another 30 minutes to stabilize.



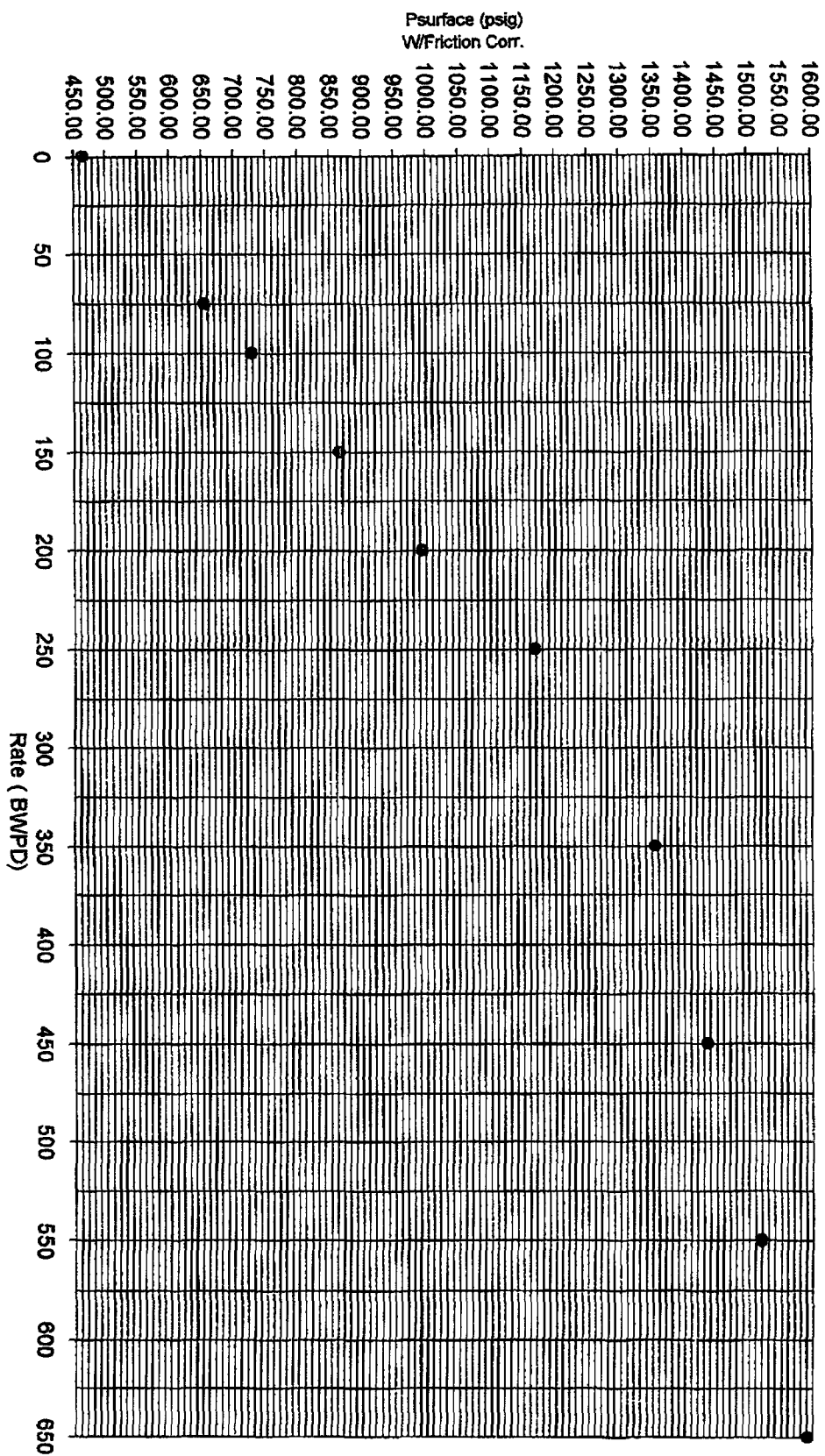
Step Rate Test
CBS Operating Corp.
NSLU #51
11/28/2005

PRECISION
PRESSURE
DATA, INC.



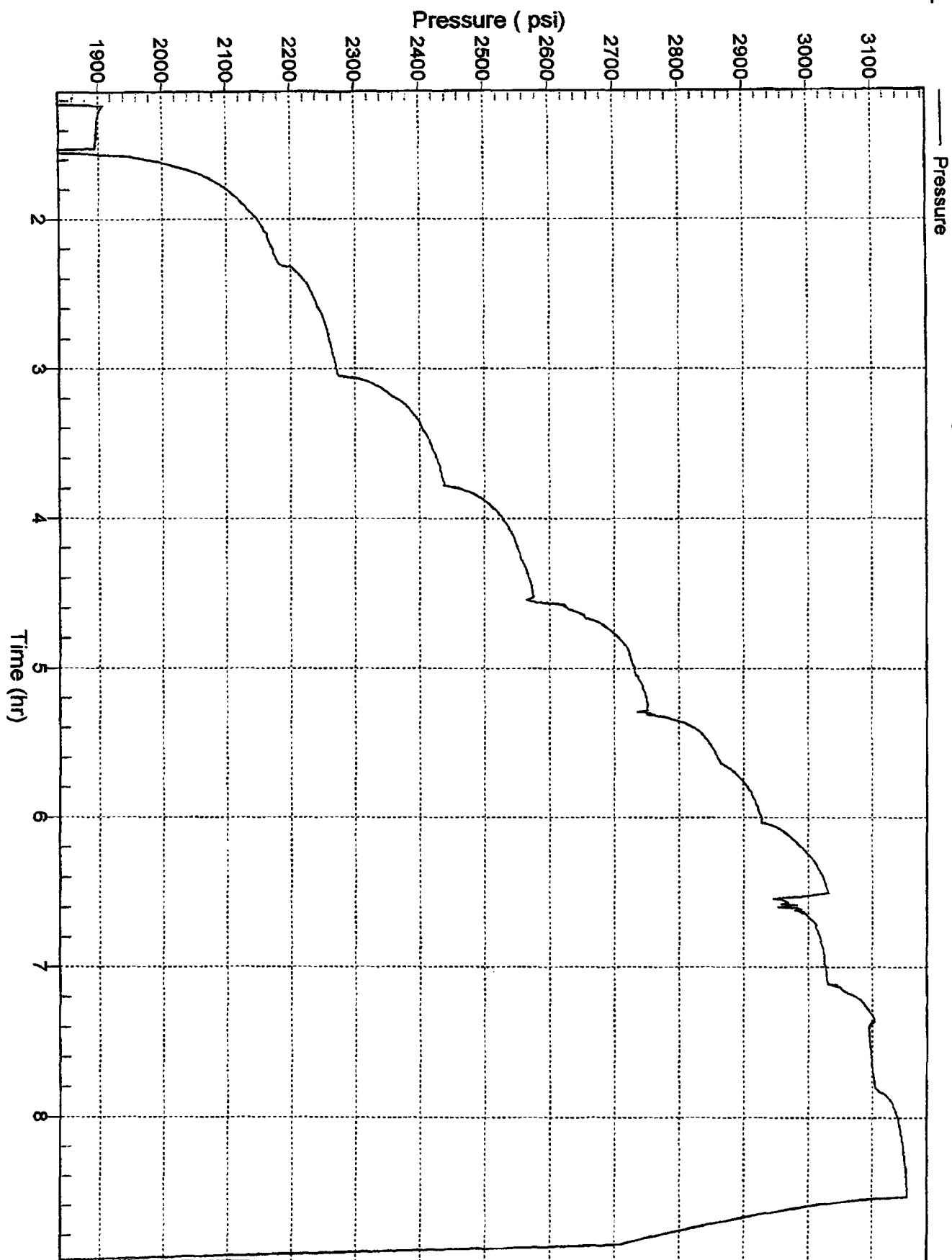
Step Rate Test
CBS Operating Corp.
NSLU #51
11/28/2005

PRECISION
PRESSURE
DATA, INC.



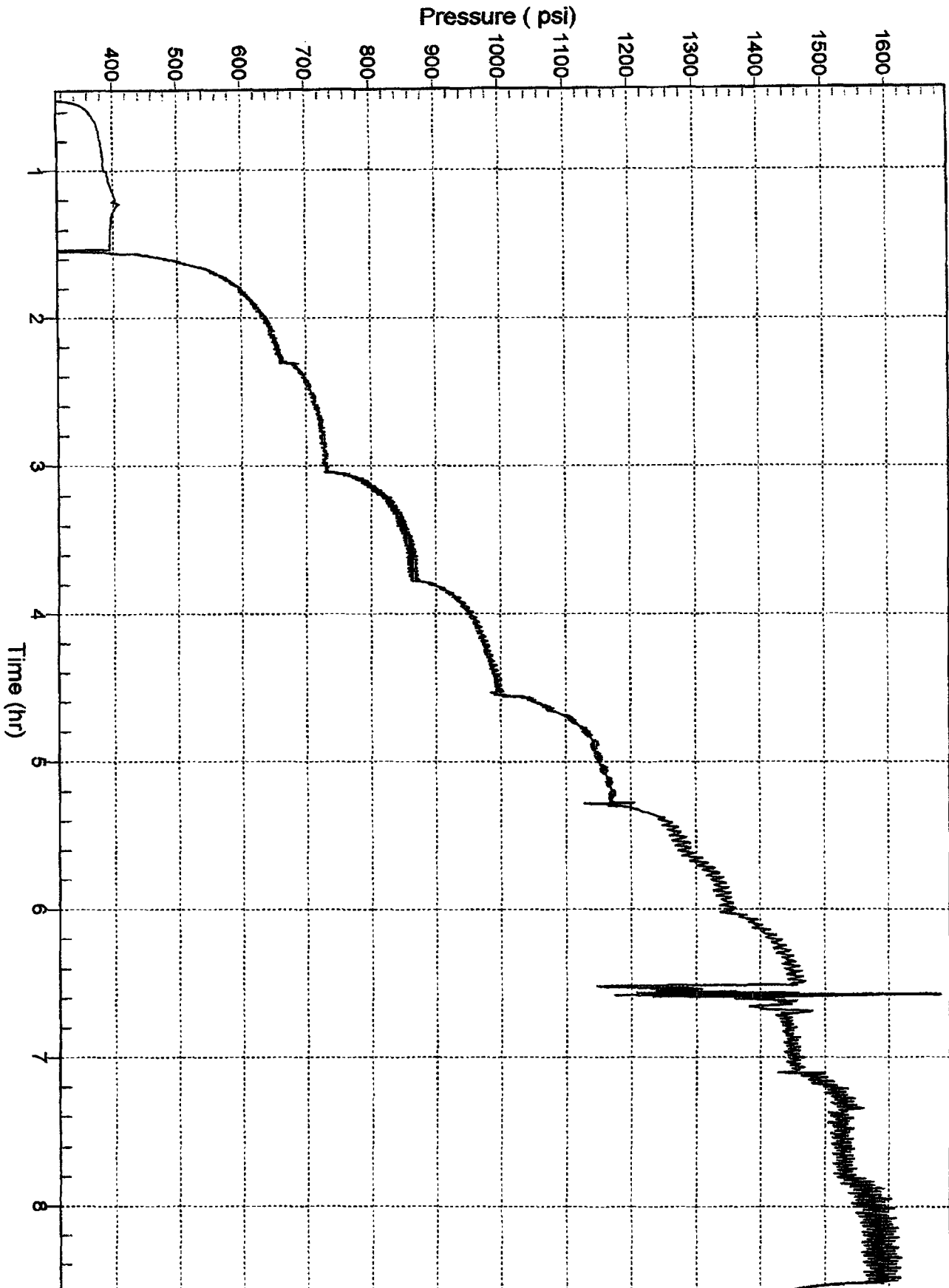
Step Rate Test
CBS Operating Corp.
NSLU #51
11/28/2005

PRECISION
PRESSURE
DATA, INC.



CBS OPERATING CORP. - NSLU #51
Step Rate Test 11/28/2005 Bottom Hole Pressure Data

Pressure

CBS OPERATING CORP. - NSLU #51
Step Rate Test 11/28/2005 Surface Pressure Data

NSLU #51

WELLBORE DIAGRAM

K.B. ELEV.: _____
 K.B. CORRECTION: _____
 G.L. ELEV.: 3882

HOLE SIZE: _____"

8 1/4" 28" GRADE

SET AT 475CEMENT WITH 25 SX

50?

HOLE SIZE: _____"

7" 24" GRADE

SET AT 2830CEMENT WITH 100 SXPERFS: 3014-3058

PERFS: _____

PERFS: _____

PERFS: _____

HOLE SIZE: _____"

5 1/2" 15.5" GRADE

SET AT 3138CEMENT WITH 50 SX STGS

+ 10A4 latex

DH 3138-3185'

FIELD: SQUARE LAKE GB SAFORMATION: GB SA

PBTD: _____

TOTAL DEPTH: 3085OWDD 3185API WELL NO.: 30-016-03926LEASE NAME: NORTH SQUARE LAKE UNIT (Ely Walnut #3) WELL NO.: 51WELLBORE DIAGRAM AS OF DATE: JANUARY, 2005STATE: NEW MEXICO COUNTY: EDDY BLOCK: ULJ SECTION: 25TOWNSHIP: 16S RANGE: 30E LEGAL: 1980' FSL + 1980' FELOPERATOR: CBS OPERATING CORP. WORKING INTEREST: _____ ROYALTY INTEREST: _____COMPLETION DATE: 12-23-42 CURRENT STATUS: (PMP) (FLOW) (INJ) (T/A) (SI) _____REMARKS: 6-4-58 Ran 5 1/2" casing. 4-24-47 Drill dupes to 3185'6-15-82 Convert to water injection

TRANSACTION REPORT

P. 01

NOV-29-2005 TUE 03:03 PM

FOR:

RECEIVE

DATE	START	SENDER	RX TIME	PAGES	TYPE	NOTE	M#	DP
NOV-29	03:00 PM	432 685 1945	3' 00"	10	RECEIVE	OK		