

**PERMIAN RESOURCES, INC.**

March 7, 2000

State of New Mexico  
Oil Conservation Commission  
P.O. Box 2088  
Santa Fe, NM 87501

VIA FAX: 505-827-1389

RE: Request For Increased Injection Pressure  
Authorization to Inject  
Permian Resources, Inc. #2 Wallen Bass Federal  
T20S, R34E, Section 20(n)  
Lea County, New Mexico  
SONM SWD-715

ATTN: Mr. Ben Stone

Mr. Stone:

Permian Resources, Inc. operates the above captioned Yates-Seven Rivers formation water injection well in Lea County, New Mexico. Recently, this well was shut in because the current injection pressures of 1600 psi exceeded the permitted pressure of 695 psi. Injection pressures have consistently been higher than anticipated. Permian recently had a step-rate pressure test performed on this well by Freemyer Technical Services and a copy of that test is included for your review. We believe this test indicates higher pressures can be justified. There are also no other offset producing wells within a 1 mile area and it appears that all abandoned wells were abandoned using required NMOCD standards.

The lease is currently shut in because of lack of disposal and we would like to increase our injection pressure so that we can begin to produce our other wells on this federal lease.

Sincerely,

Robert Marshall  
Vice President

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P. O. BOX 590 • MIDLAND, TEXAS 79702-0590  
PHONE: (915) 685-0113 • FAX: (915) 685-3621

Call him

6915

725

1852

after you  
review

**FAX COVER SHEET**

Freemyer Technical Services  
P.O. Box 7279  
Odessa, Tx 79760

Telephone 1-(888) 978-2243  
Fax 1-(915) 335-8622

Date: 3/7/00

Company Name: PERMIAN RESOURCES

Attention: RANDY BRUNO

Fax Number: 685 3621

Number of pages (including cover): 3

From: GILES KEMP

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## PERMIAN RESOURCES

March 6, 2000

### STEP RATE

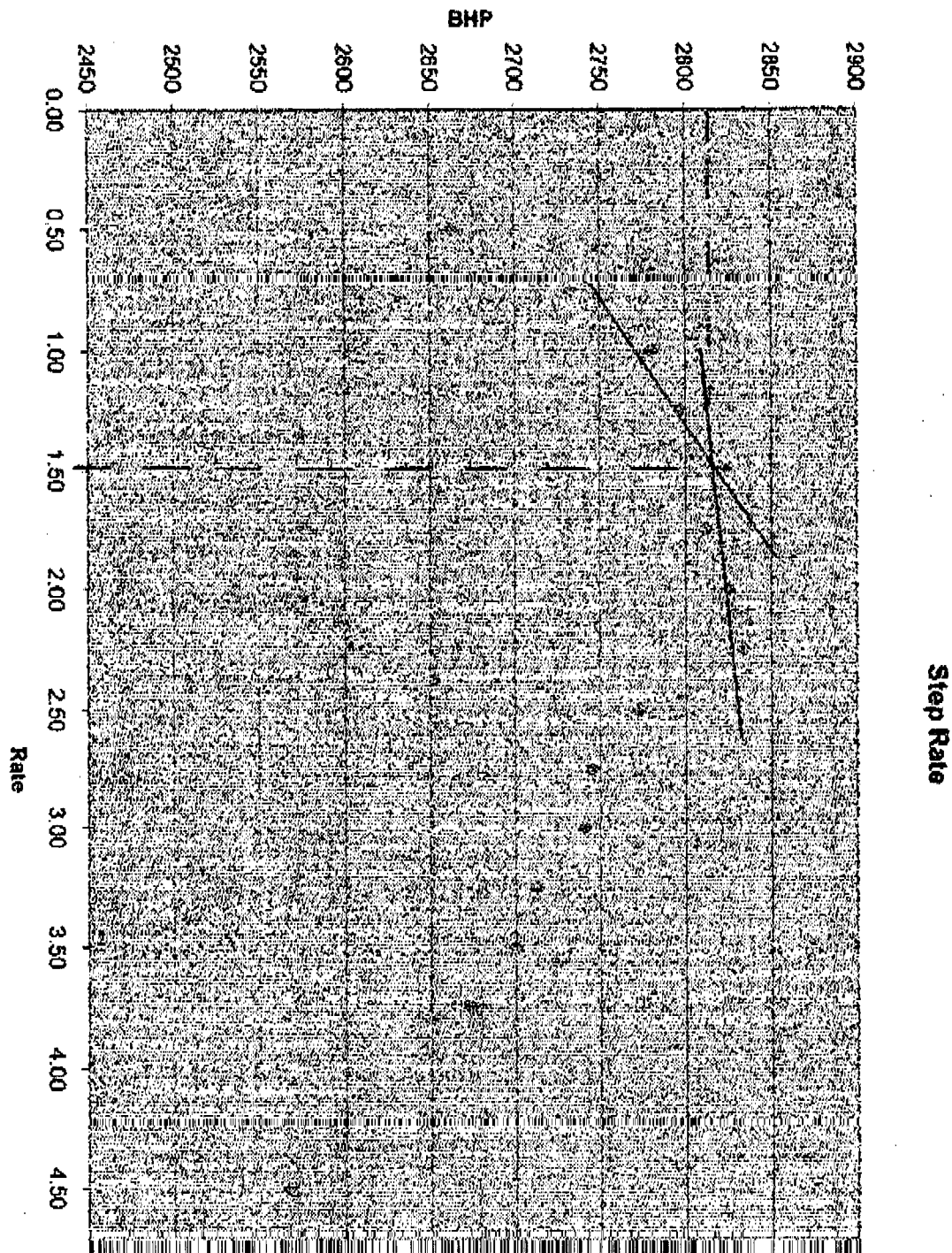
Packer @ 3380'

Bottom perf @ +/- 3800'

Assuming Formation Fluid has a density of 9 lb/gal.

Hydrostatic Head @ 3500' is 1638 psi.

<u>RATE</u>	<u>TBG PRESSURE</u>	<u>FRICTION PRESSURE</u>	<u>BHP</u>
0.50	1060	35	2663
0.75	1150	55	2733
1.00	1210	68	2780
1.25	1260	101	2797
1.50	1330	145	2823
1.75	1360	186	2812
2.00	1430	243	2825
2.25	1500	304	2834
2.50	1500	365	2773
2.75	1530	423	2745
3.00	1600	497	2741
3.25	1650	575	2713
3.50	1720	659	2700
3.75	1780	744	2674
4.50	1960	1030	2567
5.00	2130	1267	2500



**PERMIAN RESOURCES**  
INCORPORATED

TO: BEN STONE

COMPANY: NMOCD

FAX# 505-827-1389

NO. COPIES(INCL. COVER): 25

DATE: 3/7/00

FROM: ROBERT MARSHALL

TELEPHONE: 915-685-0113

FAX: 915-685-3621

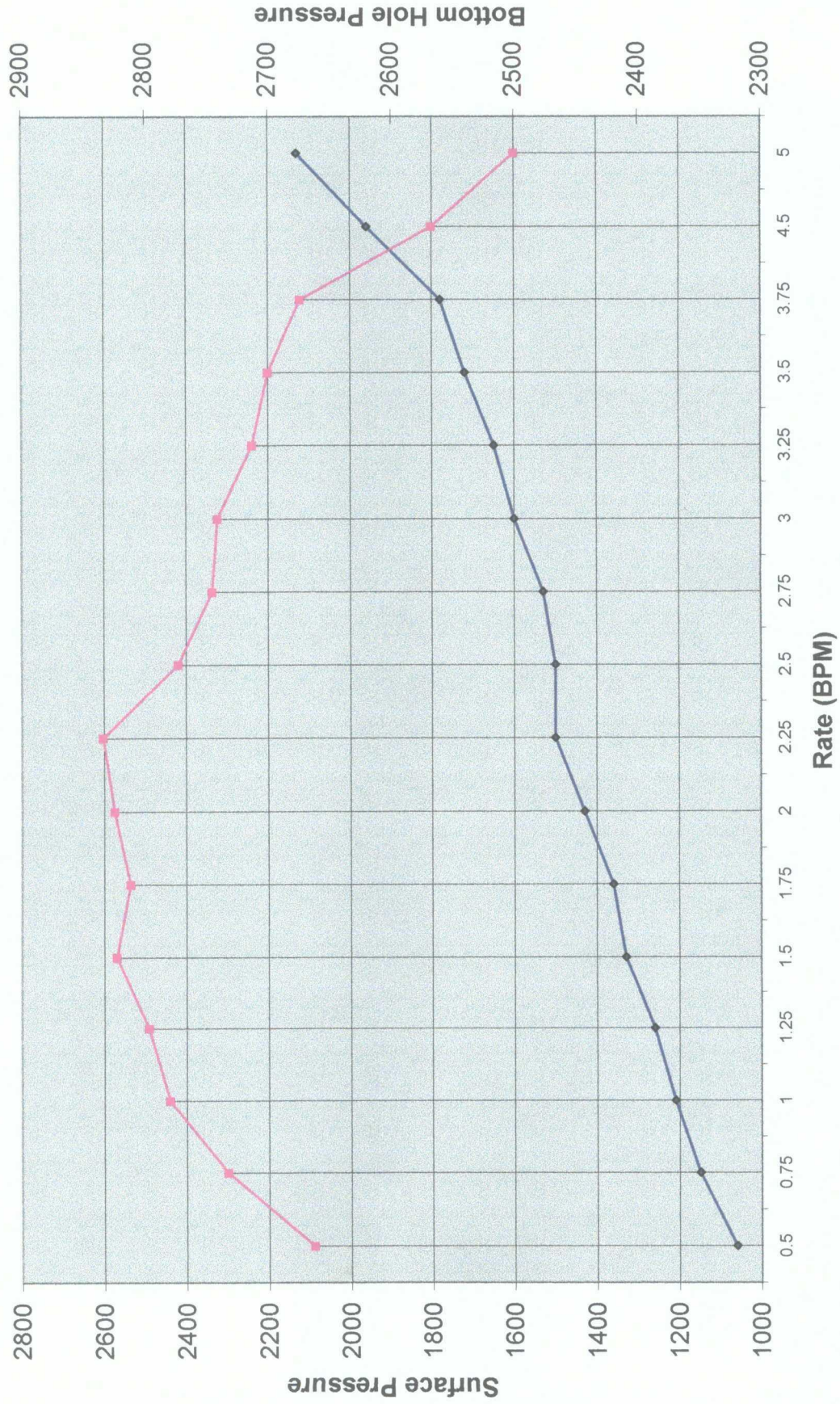
ADDRESS: P.O. BOX 590  
MIDLAND, TEXAS 79702

MESSAGES:

P. O. DRAWER 590 • MIDLAND, TEXAS 79702 • (915) 685-0113



# Permian Resources, Inc. - Wallen Bass Federal Well No.2





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