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NOEL REYNOLDS

Oil and Gas Properties
107 NORTHWEST ENERGY BLDG.
FARMINGTON, NEW MEXICO 87401

November 21, 1980

New Mexico Oil & Gas Commission,
Mr. Joe D. Ramey, Director,
Oil Conservation Division,
P. O. Box 2088,
Santa Fe, N. M. 87501.

Dear Sir:

Your administrative approval is requested for a variance in Commission Order No. WFX-484 which limits the surface injection pressure at the San Luis Field to 0.2 of the well depth (1000') or 200 psi. We have conducted injectivity tests at various pressures on the existing injection wells which indicate a fracture pressure of approximately 400 psi. Attached are tabular data and graphs showing these tests. You will notice that the wells take little or no water at 200 psi. It is suggested that the threshold pressure is approximately 200 psi (surface) or 640 psi (bottom hole) and will require 350 to 400 psi to inject the desired volume of water.

Your early consideration of this request is appreciated. Thank you.

Sincerely,

Torreon Oil Company

By: Wm. R. Reed

WRR/bm

*Frank Chavez advises
this OK. No Freshwater
in the area. This produced water is
good enough for stock. RLL*

OIL CONSERVATION DIVISION

MAR 25 1981

RECEIVED

SAN LUIS FEDERAL
INJECTIVITY TESTS
November 18, 1980

SAN LUIS FEDERAL No. 2

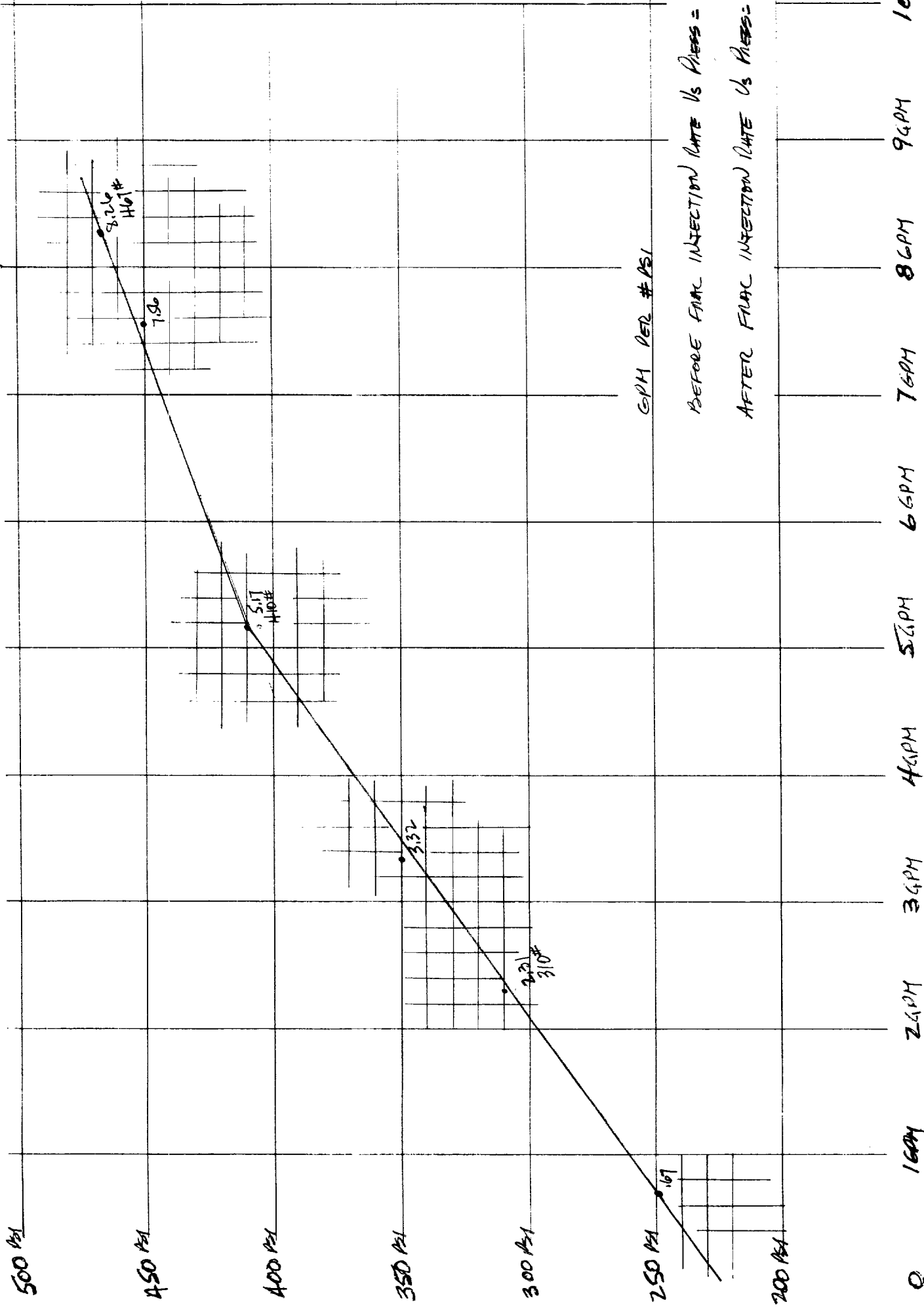
<u>PRESSURE</u>	<u>INJECTION RATE</u>
100 psi	TSTM
150 psi	TSTM
200 psi	TSTM
250 psi	TSTM
300 psi	2.77 GPM
350 psi	4.68 GPM
375 psi	4.2 GPM
380 psi	5.04 GPM
390 psi	5.46 GPM
400 psi	7.56 GPM
410 psi	9.63 GPM

SAN LUIS FEDERAL NO. 4A

50 psi	TSTM
100 psi	TSTM
150 psi	TSTM
200 psi	TSTM
250 psi	.67 GPM
310 psi	2.31 GPM
350 psi	3.32 GPM
410 psi	5.17 GPM
450 psi	7.56 GPM
467 psi	8.26 GPM

SAN LUIS FEDERAL 11/18/80
#4 A

INJECTION WELL



11/18/80
 SAN LUIS FEDERAL
 INTERSECTION WELL # 2

