



STATE OF NEW MEXICO
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

Date: 12/4/92

Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504-2088

RE: Proposed MC _____ Proposed DHC _____
Proposed NSL _____ Proposed SWD _____
Proposed WFX _____ Proposed PMX _____
Proposed NSP _____ Proposed DD _____

INJECTION WELL PRESSURE INCREASE

Gentlemen:

I have examined the application received on 12/3/92

for the ROBERT L. BAYLESS SFPRR # 51
OPERATOR LEASE & WELL NO.

N-21-16N-06W and my recommendations are as follows:
UL-S-T-R

BASED ON A STEP RATE TEST ON NOVEMBER 16, 1992

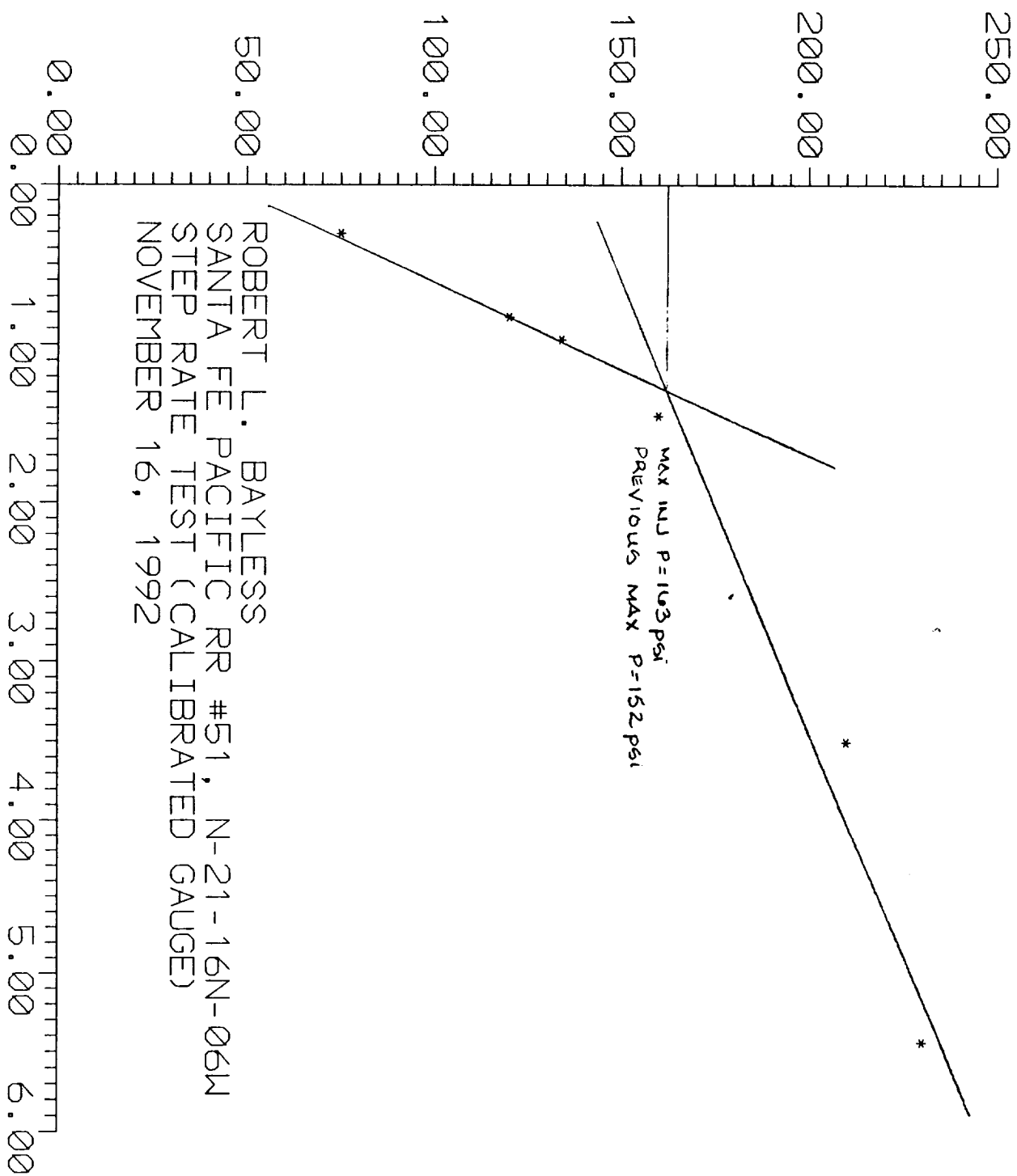
I PROPOSE AN ALLOWABLE MAXIMUM INJECTION

PRESSURE OF 143 psi

* NOTE: THE RESULTS ON THE GRAPH HAVE BEEN ADJUSTED

TO REFLECT RESULTS FROM A CALIBRATED GAUGE.
Yours truly,

Diana Dairhurst



ROBERT L. BAYLESS
SANTA FE PACIFIC RR #51, N-21-16N-06W
STEP RATE TEST (CALIBRATED GAUGE)
NOVEMBER 16, 1992

- SANTA FE PACIFIC RR #51, N-21-16N-06W

<u>TIME</u>	<u>FLOW (gal/min)</u>	<u>PRESSURE (psi)</u>	<u>CALIBRATED</u>
9:55	0.31	85	75
10:10	0.80	115	105
10:25	0.83	130	120
10:40	0.97	144	134
10:55	1.45	170	160
11:10	3.51	220	210
11:25	5.45	240	230

- SANTA FE PACIFIC RR #41, P-20-16N-06W

<u>TIME</u>	<u>FLOW (gal/min)</u>	<u>PRESSURE (psi)</u>
12:45	0.17	115
1:00	0.33	160
1:15	0.33	200
1:30	0.62	235
1:45	2.31	255
2:00	4.45	280

- SANTA FE PACIFIC RR #52, K-21-16N-06W

<u>TIME</u>	<u>FLOW (gal/min)</u>	<u>PRESSURE (psi)</u>
3:53	0.3125	235
4:08	0.52	300
4:23	0.775	350
4:38	0.833	410
4:53	1.25	540
5:08	1.84	680