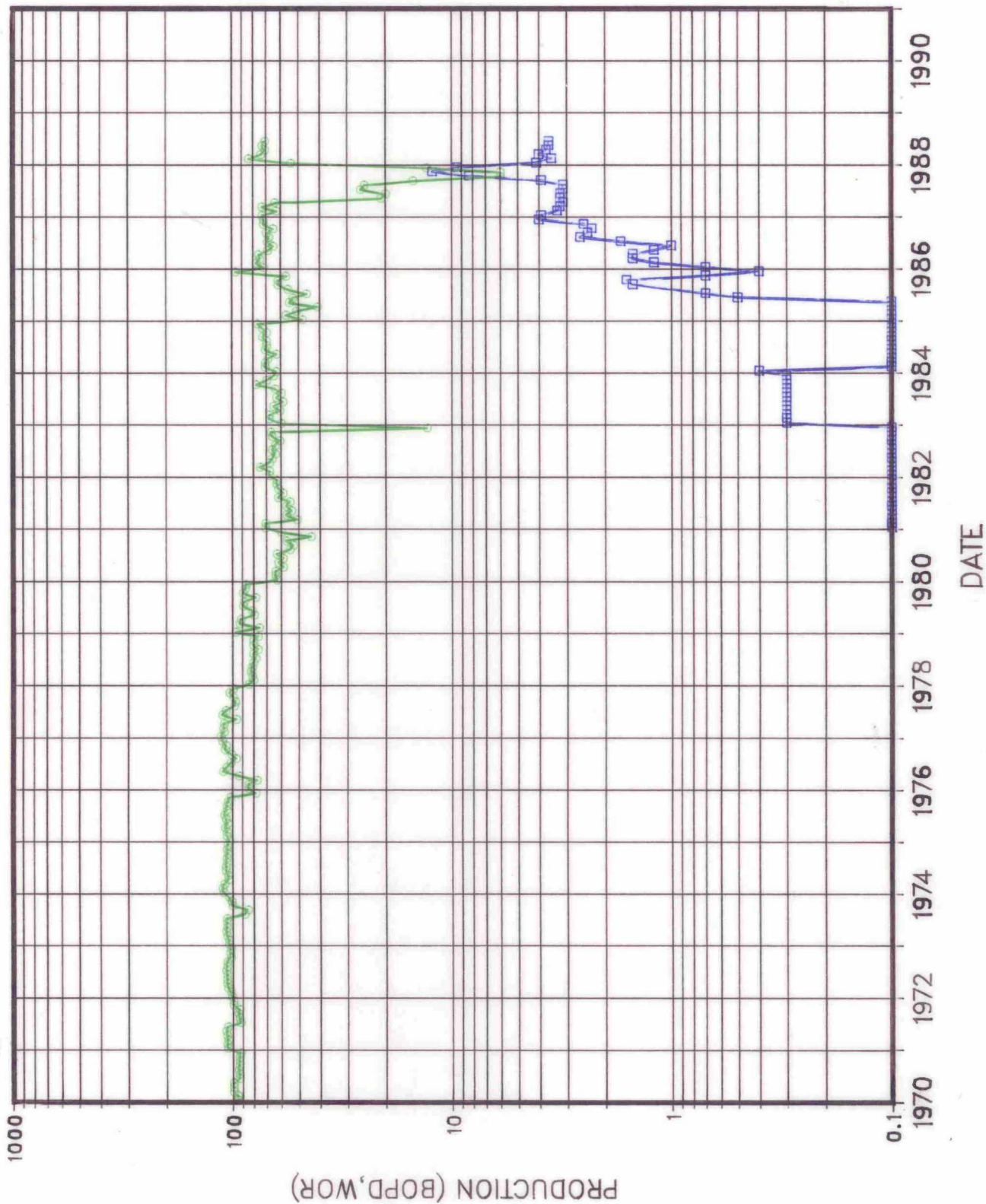
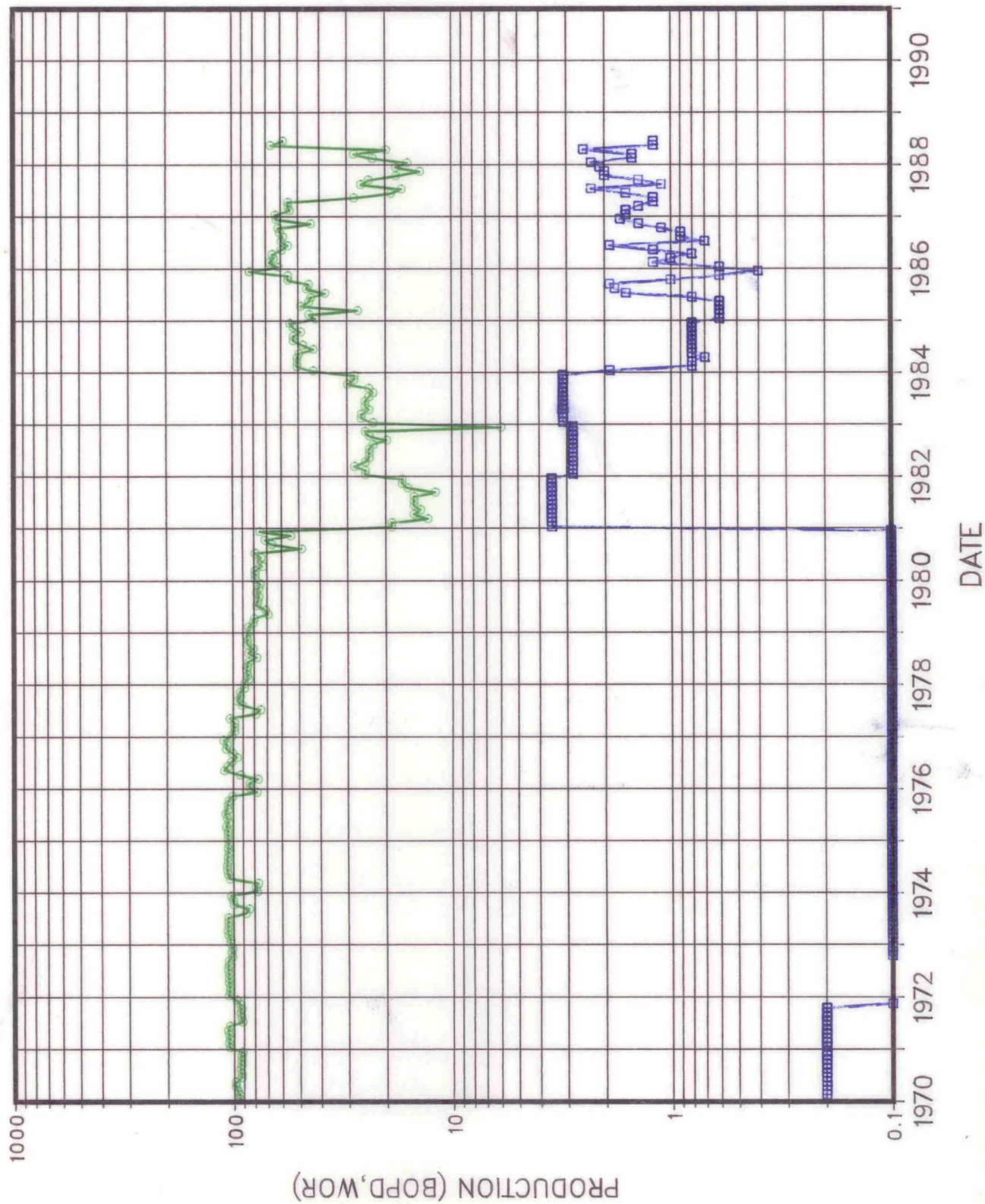


NEW MEXICO K STATE #21 OIL AND WATER PRODUCTION



EXXON CORP. ^{9A}
EXHIBIT NO. 9A
CASE NO 9459 & 9460
AUGUST 17, 1988

NEW MEXICO K STATE #31 OIL AND WATER PRODUCTION



Legend
 ○ OIL PROD BOPD
 □ WOR BBL/BBL

EXXON CORP. ^{9B}
 EXHIBIT NO. 9B
 CASE NO. 9459 & 9460
 AUGUST 17, 1988

Recoverable Oil on Proration Unit

which cannot be captured by

Existing Wells on Unit

$$N_r = \frac{7758 \text{ Ah}\phi (1 - S_{gc} - S_{wc} - S_{of}) E_v}{B_{oc}}$$

where: $S_{gc} = 0.124$ = Current gas saturation.

$S_{wc} = 0.18$ = Current water saturation.

$S_{of} = 0.364$ - Oil saturation in swept reservoir after water drive, @ well abandonment.

$E_v = 0.885$ = Volumetric sweep efficiency of water drive.

$B_{oc} = 1.172$ = Current oil formation volume factor.

$\text{Ah}\phi$ = pore volume, acre pore feet, in top allowable area on proration unit.

Unit L

(Well No. 34)

$\text{Ah}\phi = 51.2$

$N_r = 99,600$ STBO

Unit O

(Well No. 35)

$\text{Ah}\phi = 100.2$

$N_r = 194,900$ STBO

EXXON CORP.

Exhibit No. 10

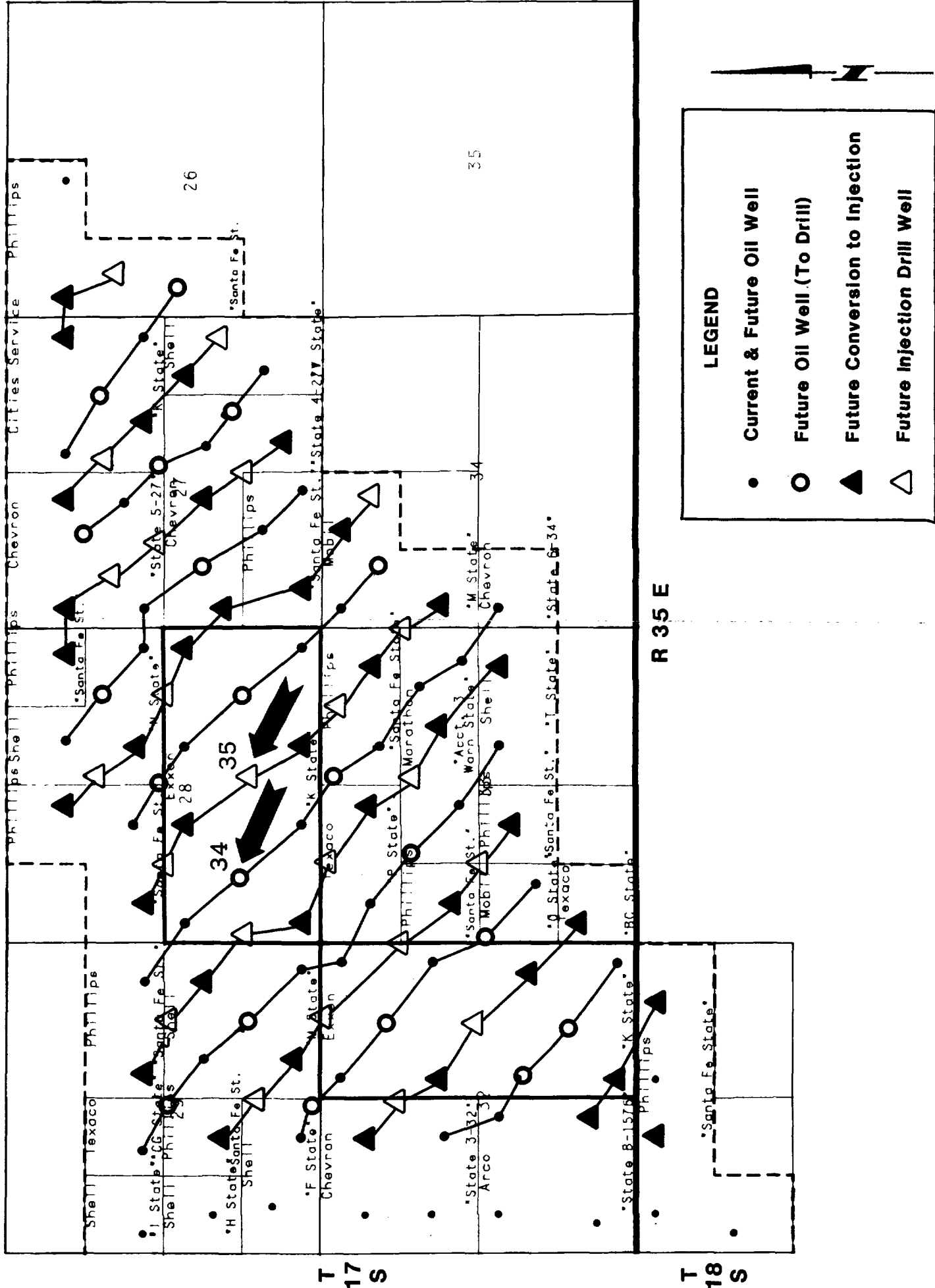
Case No. 9459 & 9460

August 17, 1988 Docket

POSSIBLE NW-SE LINE DRIVE INJECTION PATTERN

Vacuum Glorieta Field (East Half)

Lea County, New Mexico



EXXON CORP.

Exhibit No. //

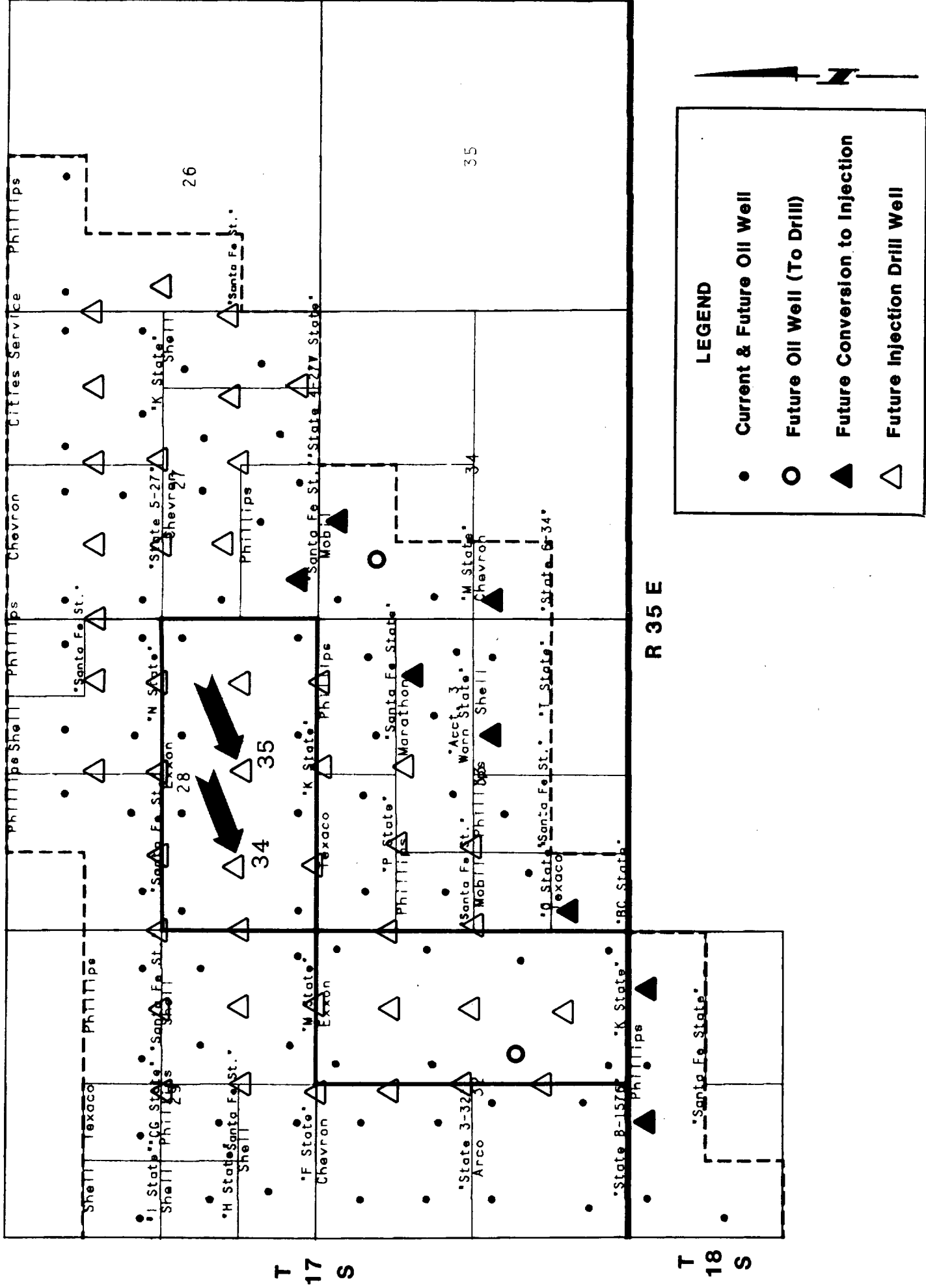
Case No. 9459 & 9460

August 17, 1988 Docket

POSSIBLE FIVE SPOT INJECTION PATTERN

Vacuum Glorieta Field (East Half)

Lea County, New Mexico



EXXON CORP.

Exhibit No. 12

Case No. 9459 & 9460

August 17, 1988 Docket

WELLBORE INCLINATIONS
MAXIMUM HORIZONTAL DEVIATION OF STRAIGHT HOLES

<u>Exxon Well No.</u>	<u>Sec. & Unit No.</u>	<u>**Maximum Possible Horizontal Deviation in Feet @ 6300' DEPTH</u>
New Mexico "K" #31*	28 L	139
New Mexico "K" #29*●	28 K	132
New Mexico "K" #25●	28 J	147
New Mexico "K" #23	28 I	105
New Mexico "K" #32*	28 M	95
New Mexico "K" #27*●	28 N	133
New Mexico "K" #21●	28 O	107
New Mexico "K" #19	28 P	64
New Mexico "K" #30	32 B	121
New Mexico "K" #28	32 A	86

* - Denotes the 4 wells surrounding "K" State #34.
 ● - Denotes the 4 wells surrounding "K" State #35.

** - Calculated using sine of angle.

EXXON CORP.
Exhibit No. 13
Case No. 9459 & 9460
August 17, 1988 Docket