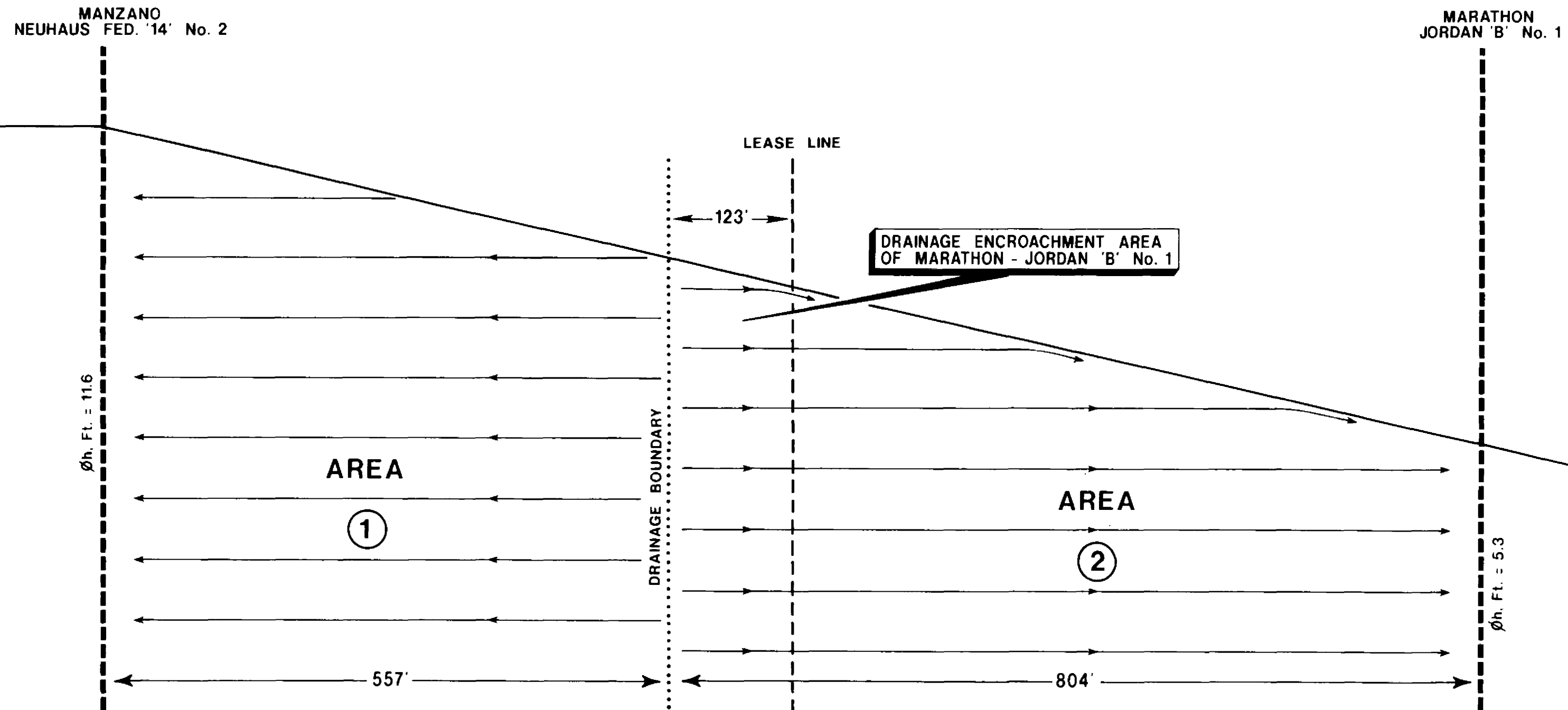


CALCULATED DRAINAGE AREA BOUNDARY LEA (WOLFCAMP) FIELD



Scale: Horiz. 1"=100'
Vert. 1"=2'

EQUAL PRODUCTION RATES

1. RESERVOIR ENGINEERING FACT:

For Equal Rates of Production From the Wells, the Interference Drainage Boundary Between the Two Wells Will Occur at a Drainage Radius From Each Well Where the Reservoir Volumes are Equal.

2. CALCULATED DRAINAGE RADIUS TO INTERFERENCE BOUNDARY BETWEEN WELLS:

557' From Manzano - NEUHAUS FED. '14' No. 2
804' From Marathon - Jordan 'B' No. 1

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Case No. 10796 (De Novo) Exhibit No. 21

Submitted by: Manzano Oil Corporation

Hearing Date: October 14, 1993