

**Lea (Wolfcamp) Field
Lea County, New Mexico**

Jordan B No. 1 and Neuhaus "14" Federal

$$GasVolume(G), Mcf / Ac - Ft = \frac{43.560}{1.000} \left(\frac{T_{sc}}{P_{sc}} \right) \left(\frac{Pr}{Z_r T_r} \right) (\Phi S_g)$$

$$G = 1,508 \frac{3.804}{(.845)(612)} (.087 \times .78)$$

$$G = 753 Mcf / Ac - Ft$$

$$P/Z \text{ Gas-In-Place}(IGIP) = 7.000 MMcf \text{ wet gas}$$

$$DrainageVolume = \frac{IGIP}{G} = \frac{7,000,000 Mcf}{753 Mcf / Ac - Ft.}$$

$$DrainageVolume = 9,296 Ac - Ft$$

Jordan B No. 1 and No. 2 and Neuhaus "14" Federal

$$G = 1,508 \left(\frac{4.697}{(.915)(612)} \right) (.087 \times .78)$$

$$G = 858 Mcf / Ac - Ft$$

$$P/Z \text{ IGIP} = 6,650 MMcf \text{ wet gas}$$

$$DrainageVolume = \frac{IGIP}{G} = \frac{6,650,000 Mcf}{858 Mcf / Ac - Ft.}$$

$$DrainageVolume = 7,751 Ac - Ft.$$

**BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico**

Case No. 10796 (De Novo) Exhibit No. 20

Submitted by: Manzano Oil Corporation

Hearing Date: October 14, 1993

J.R. Butler and Company