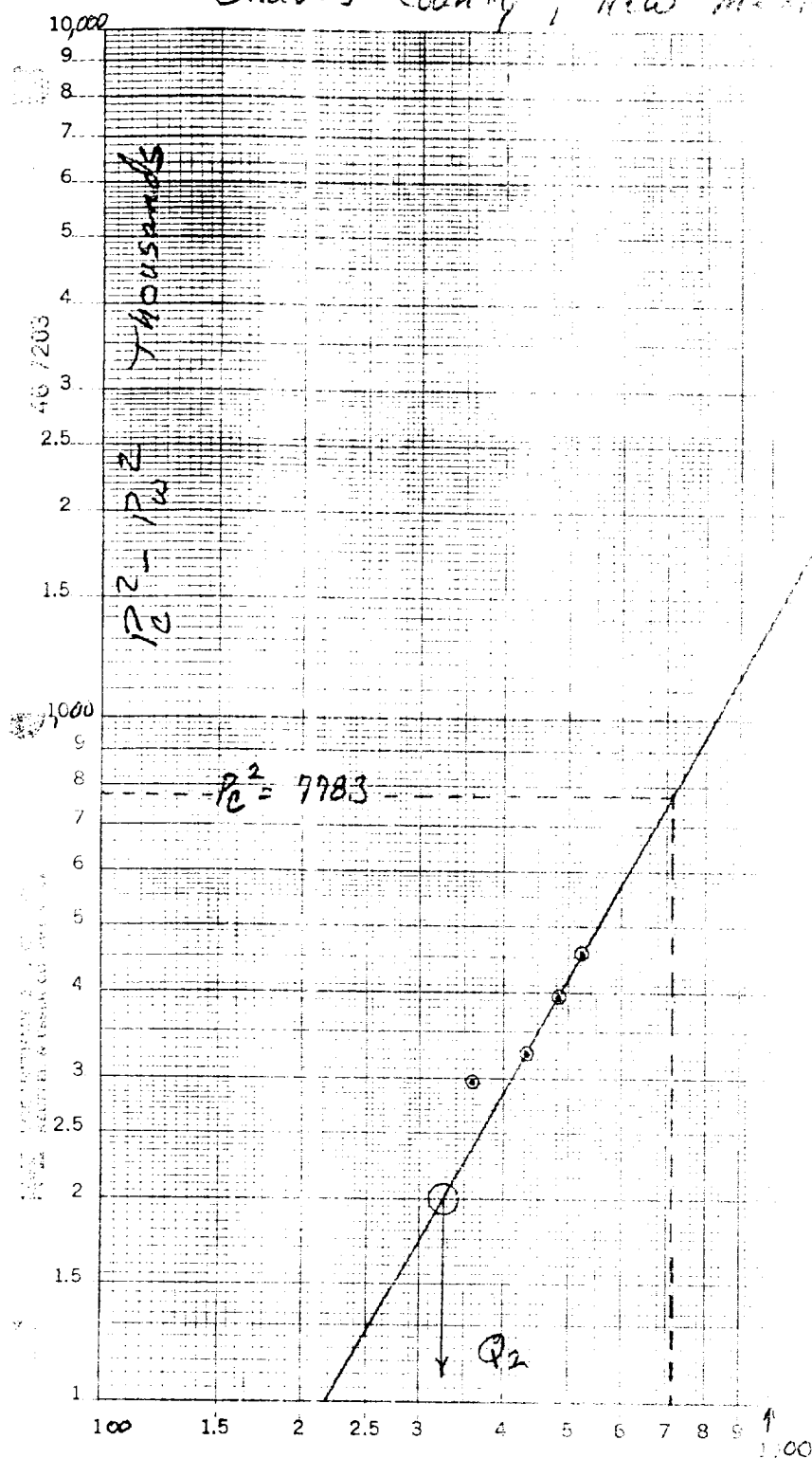


Yates Petroleum Corp.
 Spear "OA" Federal #1
 Unit II Sec 9, T-9S, R-26E
 Chaves County, New Mexico

11/6/81



$$(P_c^2 - P_w^2)_1 = 2000$$

$$(P_c^2 - P_w^2)_2 = 200$$

$$Q_1 = 1340 \text{ mcfpd}$$

$$Q_2 = 395 \text{ mcfpd}$$

$$\log Q_1 = 3.12710$$

$$\log Q_2 = 2.51198$$

$$n = .61522 = .615$$