

**Decline Curve and Estimated Ultimate Recovery Calculations
Yates Tenneco ADP State Com #1**

Qinitial : 360 MCF/D
Qfinal : 290 MCF/D
t : 1 year

$$d = (360-290) / 360 \\ 0.194 \%/\text{yr}$$

Qcurrent : 200 MCF/D
Qabandon : 50 MCF/D

$$RUR = ((Q_{\text{current}} - Q_{\text{abandon}}) * 365) / \ln(1-d)$$

$$\frac{(200-50) 365}{\ln(1-0.194)}$$

254 MMCF

Cumulative Production : 806 MMCF

$$EUR = RUR + \text{Cum}$$

$$254 + 806$$

1060 MMCF

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

Case Nos. 12128 and 12130 Exhibit No. 7

Submitted by: Yates Petroleum Corporation

Hearing Date: April 1, 1999