

**Decline Curve and Estimated Ultimate Recovery Calculations
Yates Lagarto AMZ State #1**

Qinitial : 800 MCF/D
Qfinal : 650 MCF/D
t : 1 year

$$d = (800-650) / 800 \\ 0.188$$

Qcurrent : 400 MCF/D
Qabandon : 50 MCF/D

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

$$\frac{(400-50) 365}{\ln(1-0.188)}$$

613 MMCF

Cumulative Production : 1174 MMCF

$$EUR = RUR + Cum$$

$$613 + 1174$$

1787 MMCF

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

Case Nos. 12128 and 12130 Exhibit No. 9

Submitted by: Yates Petroleum Corporation

Hearing Date: April 1, 1999