## Barber No. 12 - Decline Analysis

## **Assumptions:**

Cum Production thru 12/31/00 = 552 MMCF Current Producing Rate = 1225 MCFD Economic Limit = 10 MCFD Well Life = 20 Years Decline Rate = 24 % Original Recoverable Gas In Place = 0.7478 MCF/Acre-Ft Thickness = 30'

## **Calculations:**

Remaining Recoverable Reserves (1225-10)/.24 X 365 = 1848 MMCF Estimalted Ultimate Recovery = 1848 + 552 = 2400 MMCF Drainage Area = 2400 MCF / 30 Ft / 0.7478 MCF/Acre-Ft = 107 Acres

> BEFORE THE OIL CONSERVATION DIVISION Case No.12587 Exhibit No.<u>17</u> Submitted By: Sapient Energy Corp. Hearing Date: March 1, 2001