

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^{MM}MCF/Acre-Ft

Thickness = 30'

Calculations:

Remaining Recoverable Reserves

$(1225-10)/.24 \times 365 = 1848$ MMCF

Estimated Ultimate Recovery = $1848 + 552$ = 2400 MMCF

Drainage Area = 2400 MCF / 30 Ft / 0.7478^{MM} MCF/Acre-Ft = 107 Acres

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