

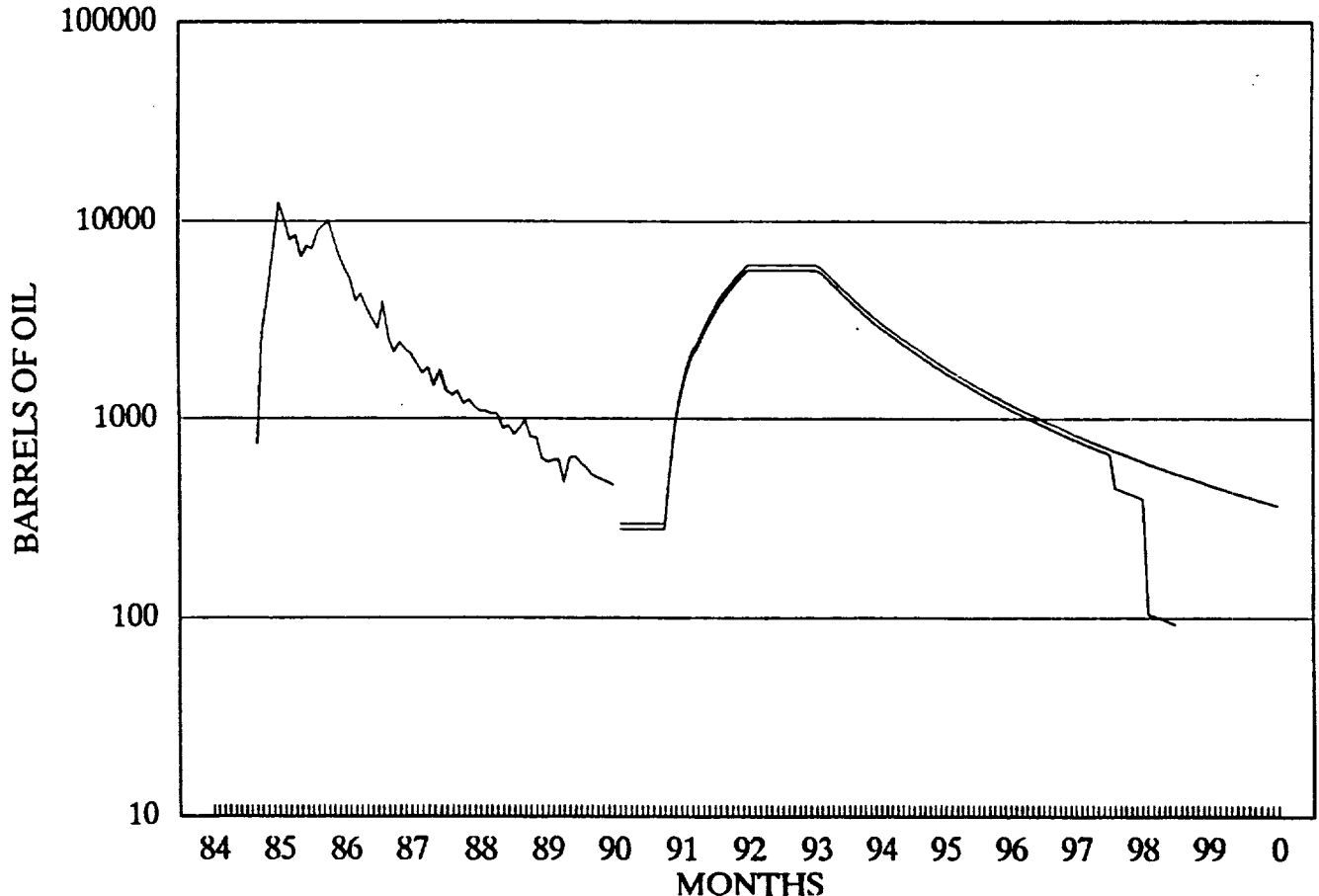
BEFORE EXAMINER STOOD
OIL CONSERVATION DIVISION

YATES EXHIBIT NO. 13

CASE NO. 9809, 9810, 9823

YATES DRILLING COMPANY

STATUTORY UNIT vs VOLUNTARY UNIT & DOYAL WF



PRIMARY PRODUCTION - The single curve to the left of the graph is a plot of primary production from all of the wells that are part of the proposed Cactus Queen Statutory Unit.

SECONDARY PRODUCTION (STATUTORY UNIT) - The upper smooth curve on the right side of the graph is a plot of the predicted recovery from the proposed statutory unit.

SECONDARY PRODUCTION (VOLUNTARY UNIT, DOYAL WATERFLOOD & GALLAGHER ST. #1) - The lower smooth curve on the right side of the graph is a plot of the combined predicted recovery from the proposed voluntary unit, Doyal waterflood project and the Gallagher St. #1. All three of these properties are within the boundary of the proposed statutory unit. The gap between the two secondary curves is caused by the absence of a newly drilled well in the voluntary unit scenario. The second scenario also shows a reduction in recovery from mid 1987 on, due to the higher expenses associated with operating two separate waterflood projects and a single well.

NMOCD CASE NO. _____ EXHIBIT NO. 13
Application of Yates Drilling Company
For a Secondary Recovery Project
(Proposed Cactus Queen Unit)
Chaves County, New Mexico