DIAMOND MOUND/BUFFALO VALLEY

PLANIMETERED GAS-IN-PLACE and RECOVERIES FOR CONTESTED AREA
10/28/96

Sections #26 and #35

Area	1304	Acres
Gas-in-Place	22.08	BCF

Calculated using a computer model of mapped area and the following reservoir properties.

Equations and Reservoir Properties

GIP = 43560(Phi-H)(Area)(1-Sw)(Bg) = 22.08 BCF

Phi-h, and Area calculated by Computer map
Sw = .25
Bg = 35.35(Pi)/(Temp)(Z) = 230 SCF/CF
Pi = 3300 psia
Temp = 600 deg Rankine
Z = .845

UMC Predicted Recoveries:

	Estimated Ultimate Recoveries		
Harris Fed. 8	9.6	BCF	
Harris Fed. 4	0.6	BCF	
White State 2	8.4	BCF	
White State 1	5.1	BCF	
	23.70	BCF	107.34% of GIP

Current Cumulative Production:

	Current Cumulative		
Harris Fed. 8	5.576	BCF	
Harris Fed. 4	0.585	BCF	
White State 2	5.573	BCF	
White State 1	3.672	BCF	
	15.41	BCF	69.77% of GIP

Results

Estimated recoveries exceed calculated Gas-in-Place. This means either the existing wells are recovering gas beyond the boundaries of the two sections, or that the calculated recoveries are too optimistic. Either cause points to the same conclusion, **another well is not required to adequately drain the reserves.**

NEW MEXICO
OIL CONSERVATION DIVISION
UMC EXHIBIT 2
CASE NO. 11514 (de novo)