

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

Sage EXHIBIT NO. 6

CASE NO. 9068

GEOLOGY:

The Tres Papolotes field located in T-14, R-34, Lea County, New Mexico, produces from several members of the Bough "C" formation. The Bough "C" is widely productive along the western platform margin of the Tatum Basin. Dated as Permo-Penn in age, the productive members consist of clean porous white limestone, very fossiliferous, with chert nodules interspersed within the limestone. The depositional model of this reservoir is that most likely algal mats grew and thrived within the photic zone, basinward from the basin edge in a relatively high energy environment, achieving in the process the porous high permeability productive limestone.