



New Mexico Petroleum Recovery Research Center

DRAFT

A Division of
New Mexico Institute of Mining and Technology
Telephone (505) 835-5142

Socorro, NM 87801
Facsimile (505) 835-6031
Verify (505) 835-5406

October 6, 1989

Mr. Bill LeMay, Director
Oil Conservation Division
P.O. Box 2088
310 Old Santa Fe Trail
Santa Fe, NM 87501-2088

RE: NMIORP, Sulimar Queen Field Regulations

Dear Bill:

As you know, the operating rights of the Sulimar Queen Field, which we will be using as a field laboratory, have been transferred to the New Mexico Institute of Mining and Technology. Since our objective in obtaining this field lab is to develop techniques to improve the recovery of oil from known reservoirs by transferring our research to an actual reservoir, one of our first tasks is to obtain more knowledge of the Sulimar Queen by drilling and coring one new well. Currently, wells in the unit are subject to the standard State regulation which calls for situating wells no closer than 330 ft to a 40-acre proration unit boundary. The location for the well that we wish to drill is nonstandard. However, we believe that this location is necessary for the following reasons:

1. We need an area with maximum reservoir thickness to obtain core material.
2. The core should be good quality rock with porosity and permeability suitable for laboratory flow experiments.
3. Based on cumulative water injected into Wells 1-3 and 8-1, the proposed location is at the point of maximum injection interference, hence there maybe an accumulation of trapped oil.
4. The location is 460 ft from Well 1-3 which facilitates multiwell pressure transient testing, interwell tracer work, and cross-borehole seismic research.

Because of the above reasons, we wish to request that the OCD formulate special rules which would permit us to drill anywhere in the unit on the authority of the Artesia OCD office.

Sincerely,

F. David Martin
Director

FDM:jeg
enc.