

C O P Y

P. O. Box 672
 Roswell, New Mexico
 July 3, 1950

The Director
 United States Geological Survey
 Washington, D. C.

RE: Request for Unitization, -Muerfanita Prospect
 Townships 26-27 North, Range 9 West
 San Juan County, New Mexico.

Dear Sir:

Submitted herewith in support of our request for unitization is the geological map showing the subsurface structure within the limits of the outlined area based upon seismograph interpretation. The formations are expected to show oil and gas possibilities at the estimated depths, as follows:

Pictured Cliff	2500'	Gas
Point Lookout	4500'	Gas
Dakota	6800'	Oil

The above estimates are based upon the nearest deep well, Byrd-Frost Harrove #1, Section 4-27N-10W, San Juan County, New Mexico, as correlated with the stratigraphic position of the surface outcrops with the areas which are considered to be at the top of the Torrejon formation.

Very truly yours,

Robert E. Murphy
 District Geologist

REB:es

cc S.P. Mannifin
 District Land Man

EXHIBIT "B"