

SURFACE USE AND OPERATIONS PLAN
MESA PETROLEUM CO
YATES FEDERAL COM #1-Y

RECEIVED
DEC 11 1970
U.S. GEOLOGICAL SURVEY
FEDERAL COMMISSION

The following information and plan is submitted for the subject well by Mesa Petroleum Co.

1. Existing roads in the vicinity of planned well are shown on attached Exhibit I. As shown, the planned well is approximately 6 miles east-southeast of Artesia, New Mexico. The subject well can be reached by traveling 5 miles east of Artesia on U.S. highway 82, then turn south on paved road and travel approximately 1 mile. At this point, the subject location will be about 3/8 mile east, across gentle sloping terrain.
2. The planned access road is depicted by attached Exhibit II. Grading, and topping with caliche, is all that is planned for the proposed access road. The access road will be 12 feet in width (20' ROW width). A typical cross section is shown by Exhibit III. There will be no culverts set because primary drainage for this immediate area is in an east to west direction. Elevation change from existing road to proposed location is about 25 feet in 3/8 mile as indicated by Exhibit V. There are no fences between the present roadway and the proposed location, therefore, cattleguards or gates will not be necessary.
3. Exhibit II illustrates all well within a one mile radius.
4. If the subject well proves commercial, gas separation-process equipment and tank battery will be located on the subject well's drilling pad.
5. Both fresh and brine water utilized to drill the subject well will be hauled to location by truck transport over the existing and proposed access road. The source for brine water is near Carlsbad, New Mexico. Fresh water is located approximately 2 miles northwest of the proposed location and is alongside of US 82.
6. Top soil from the location proper will be stock piled near the location for future re-habilitation use. No surface materials will be disturbed except those necessary for the actual grading - leveling of the drill site and access road. (See Exhibit III). With the exception of the 6" caliche top coat (compacted), all construction materials will be of local origin. Caliche to be used for topping the roadway and location, is located approximately 1 1/2 miles northwest of the proposed location in an existing open pit (SE/4 SE/4 Sec 7, T17S, R27E). The caliche will be transported over the existing and proposed access roadways.