

SURFACE USE AND OPERATIONS PLAN
MESA PETROLEUM CO
ANTELOPE FEDERAL #1
1980' FNL & 1980' FWL
SEC 22, T18S, R23E
EDDY COUNTY, NEW MEXICO
LEASE: NM-10889
JANUARY 29, 1980

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 II. As shown, the planned well is approximately 6-1/2 miles south by southeast of Hope, New Mexico. The subject well can be reached by traveling from Hope 7 miles south on County Road 449 then take the east fork of the paved road for 2.3 miles in a southeasterly direction then due east for 2 miles. At this point, a cattle guard will be necessary to connect the county road with the unimproved ranch road running due north for 3.5 miles and hence 6/10 of a mile to the proposed location.
2. The planned access road is depicted by attached Exhibits II and III. Grading, and topping with caliche, is all that is planned for the proposed access road. The access road will be 12 feet in width (16' ROW width). A typical cross section is shown by Exhibit IV. There will be two culverts set where the proposed road crosses Fourmile Draw to provide a shallow water crossing. Two cattle guards will be necessary, one in section 27, and one in section 3, T19S, R23E where the proposed access road meets the county road.
3. Exhibit III illustrates all wells 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. There are no gas or oil lines in the immediate area.
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 from Artesia, New Mexico unless water wells in the general area of the proposed well prove to be of sufficient quantity and quality to use for drilling purposes.
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 IV). 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 4 miles west of the proposed location in an existing open pit on federal surface in Sec 4, T18S, R21E. The caliche will be transported over existing and proposed access roadways.
7. Drill cuttings will be accumulated in the earthen reserve pit which will also be plastic lined. After the pit has sufficiently dried following drilling operations, the solids accumulation will be buried. Trash and garbage will be contained in an earthen pit and buried once drilling operations are completed. Sewage will be collected in a pit at least 6' deep below an outside latrine; suitable chemicals will be added to aid decomposition of the waste material. The pit will be back filled following completion of drilling operations. All pits will be fenced with normal fencing materials to prevent livestock from entering the area.