



PETROLEUM DEVELOPMENT CORPORATION

9720-B CANDELARIA, NE
ALBUQUERQUE, NEW MEXICO 87112
TELEPHONE (505) 293-4044

MULTI-POINT SURFACE USE AND OPERATIONS PLAN
Petroleum Development Corporation
Sun-McKay Federal #2
1980' FEL & 1980' FNL, Sec. 10, T19S, R32E
Lea County, New Mexico
(640 acres)

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operation.

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of a highway map showing the location of the proposed well, as staked. A paved country road runs north-south, 2.3 miles west of the location of this well, along the west side of Section 32. The paved road connects with Maljamar to the north and Halfway to the south. An existing lease road junctures with the paved country road at the southwest corner of Section 5, T19S, R32E, goes easterly approximately 1-3/4 miles thence southerly approximately 5/8ths of a mile, thence easterly 5/8ths of a mile to Sun-McKay #1, which is the juncture point for the new road.
- B. Exhibit "B" is a plat showing all existing roads within a one-mile radius of the wellsite and the planned access.
- C. The existing lease road is currently in use and serviceable. Periodic grading will maintain the caliche topping. See Exhibits "A" and "B".

2. PLANNED ACCESS ROADS:

- A. Length and width: The access road, from the existing lease road, will be 12' wide and 1600' long. See Exhibit "C".
- B. Surfacing material: eight inches of caliche; watered, compacted and graded.
- C. Maximum grade: three percent.
- D. Turnouts: two equally-spaced passing turnouts will be used.
- E. Drainage design: new road will have a drop of six inches from center line on each side.
- F. Culverts: none necessary