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U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

DEVELOPMENT PLAN FOR SURFACE USE

To be attached to Application for Permit to Drill test well for oil and gas to be located 660' FNL and 660' FWL Section 10, T16N-R8W, McKinley County, New Mexico. The well is to be known as Northern Minerals, Inc., No. 4 Federal.

This well will be drilled by a light-weight, truck-mounted, Failing 2,000 type rig.

The minerals under the land to be drilled on are owned by the United States. The surface is owned by the Fernandez Company of San Mateo, New Mexico.

1. Existing roads including location of the exit from the main highway.

Accompanying this statement is a copy of USGS topographic map, herein called Map 1. The locatable reference point is San Mateo, New Mexico, shown on the Map and circled in blue color. The nearest main access road from which entry to the location can be obtained is state highway #53 which terminates at San Mateo. Access to the location of the well from San Mateo is over some 22 miles of semi-public and private, ranch roads. These are indicated on Map 1 in red color. The location of the well is shown in green circle. All existing roads within a three mile radius of the location of the well are shown on Map 1.

2. Planned access road.

Access to the location from an existing road will be gained by scraping a 12 foot wide trail from the point on Map 1 marked with a red X to the location. This trail is shown in red dotted line. The length of this trail will be approximately $3/8$ mile.

3. Location of existing wells.

There are no wells within a two mile radius of the location of the proposed well.

4. Lateral roads to the well location.

See Map 1.

5. Location of tank batteries and flow lines.

The tank battery will be located approximately 200 feet east of the location of the well at the point shown with an asterisk. Flow lines will be placed directly from the well to the tank battery as shown. There are no existing tank batteries and flow lines within a $\frac{1}{2}$ mile radius of the proposed location.

6. Location and type of water.

Water for the drilling of the well will be obtained from a well located about 2 miles from the location and at the point marked with a green X. There will be no water lines. Water will be hauled by truck over ranch road shown in green line to the point marked with a red X and from there over the red dotted line to the location.

7. Methods of handling waste disposal.

Upon completion of the well, all waste material will be placed in the pit (See Map 2, attached) and covered over and buried.

8. Location of camps.

There will be no camp. Crews will travel daily back and forth to Grants, New Mexico.

9. Location of airstrips.

No airstrip will be constructed.

10. Location of layout to include position of the rig, mud tanks, reserve pits, burn pits, pipe rack, etc.

See Map 2. The topography in the immediate vicinity of the location of the well is gently rolling. See Map 1. The drilling pad will not be compacted or surfaced.

11. Plans for restoration of the surface.

Upon completion of operations, the surface will be cleared of all junk, leveled and re-seeded.

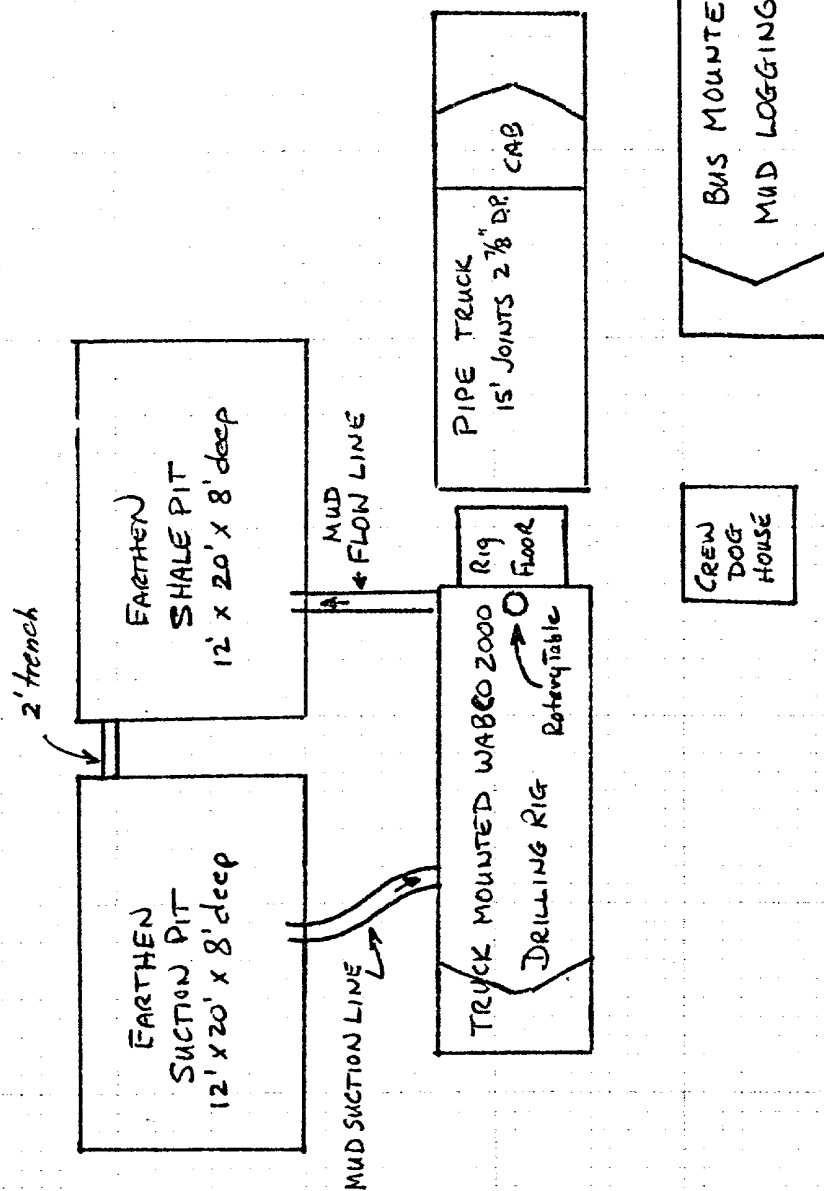
12. Other information.

The topography is gently rolling. Normally this area is quite arid. There is some grass but very little other vegetation. There are no nearby steep hillsides or gullies. No cut and fill will be needed.

Northern Minerals, Inc.

Lloyd Davidson
By: Lloyd Davidson, President
7-20-73

MAP 2
NO 4 FEDERAL



SCALE 1" = 10'

MAP 1
NO. 4 FEDERAL

