

Scoggin Draw Federal "B" Well No. 1

Location

The proposed location will measure 400 X 400 ft (actual area surveyed 4.44 acres) on federal land and will be situated 1980 ft from the south line and 660 ft from the east line.

Section 22, T18S, R27E, NMPM, Eddy County, NM

Thus it will be situated in the:

NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 22, T18S, R27E, NMPM, Eddy County, NM

The associated access road will measure approximately 100 X 1600 ft (actual area surveyed 3.78 acres) and will be situated in the:

NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 22, T18S, R27E, NMPM, Eddy County, NM

NW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 22, T18S, R27E, NMPM, Eddy County, NM

Map Reference: USGS LAKE McMILLAN NORTH QUADRANGLE, 7.5 Minute
1955.

Level of Previous Impact

The proposed location has not been impacted by mechanical means. The access road will cross a two-track road.

Environmental Setting

SUN EXPLORATION's proposed location will be situated on the north-facing shoulder of a locally prominent ridge which overlooks an intermittent drainage. Overlain by a veneer of aeolian material, surficial deposits are underlain by massive gypsum. Areal soils are composed of sandy clay loams, clay loams and silty clay loams. More argillaceous soils are subject to puddling and scaling. Drainage is by ephemeral sheetwash with runoff being to the north and thence into Scoggin Draw. Nearest water occurs at Chalk Bluff Spring, situated 1.25 miles to the west-northwest. Soil individuals