

## Benson "3" Federal Well No. 1

Location

The proposed location will measure 400 X 400 ft (actual area surveyed 4.44 acres) on federal lands and will be situated 760 ft from the north and 2080 ft from the east line.

Section 3, T19S, R30E, NMPM, Eddy County, NM

Thus it will be situated in the:

NW $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 3, T19S, R30E, NMPM, Eddy County, NM

The associated access road will measure approximately 20 X 600 ft (actual area surveyed 1.38 acres) and is situated in the:

NE $\frac{1}{4}$ NW $\frac{1}{4}$ , Section 3, T19S, R30E, NMPM, Eddy County, NM

NW $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 3, T19S, R30E, NMPM, Eddy County, NM

Map Reference: USGS HACKBERRY LAKE QUADRANGLE, 7.5 Minute Series, 1985 (Prov. Ed.)

*The proposed access road will parallel the south side of an existing Phillips Petroleum Company pipeline easement. The site of the location has not been previously impacted by mechanical means.*

Terrain

MERIDIAN OIL COMPANY's proposed location will be situated on the south-facing shoulder of a locally prominent eminence whose surface is overlain by a Holocene- and Pleistocene-aged, aeolian deposit of variable thickness. Associated coppice dunes range between 0.30 and 1.50 m in height. Dune development increases in magnitude toward the south; interdunal areas are uniformly the object of intense sheetwash which discharges into a subsidence basin located southwest of the project area. Some gullying occurs on the south. Overall, this area is coextensive with the Loco Hills polje, a complex, latitudinally shaped collapse.