

WILLIAM B. BARNHILL - NO.1 BRAINERD FEDERAL

660' FNL & 1980' FEL, Section 1, T-22-S, R-21-E, Eddy County, New Mexico

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Surface Use Plan to accompany "Application to Drill, Federal Lease"

1. EXISTING ROADS: Refer to Exhibit "A", county road map. Go south of Artesia to Seven Rivers, just south of Seven Rivers turn west on the Marathon Gas Plant road. Follow the black top to a stop sign at junction with Marathon road, turn west on black top. At about 7.8 miles turn right on Panama-Cawley road at wrecked car on a caliched road. At 2.4 miles turn south on Rocky Arroyo lease road. Follow main lease road through Rocky Arroyo field for 8.1 miles. At this point turn right on lease road towards windmill. At the windmill is the location of the Continental East Texas Hills dry hole. Continue north on ranch road about .7 miles to location flag. Location 265 feet due east of stake. Detailed mileage log attached.
2. PLANNED ACCESS ROAD: Refer to Exhibit "B": this plat shows the proposed location access road. Approximately 265 feet of road will be required. This new road will travel due east from an existing ranch road and will be 12 feet wide, properly crowned and ditched. The ground is a hard surface with 1 to 2 inches of top soil on a limestone and anhydrite outcrop. Sparse vegetation consists of Mescale, Cholla and very low quality range grass.
3. LOCATION OF EXISTING WELLS: Exhibit "C" is a land map of the area showing all existing well within the immediate area. The proposed location is approximately 2-1/4 miles northwest of the Rocky Arroyo field. Three producing gas wells are located within two miles of the location. Two dry holes are located within one mile south of the proposed location. No wells are located within two miles north or west of the proposed location.
4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES: Exhibit "D" indicates the proposed facilities for production if well is productive. Tank battery will be constructed west of the well site near the access road.
5. LOCATION AND TYPE OF WATER SUPPLY: Drilling water will be trucked to the location from any available commercial source over existing roads.
6. SOURCE OF CONSTRUCTION MATERIAL: An old calichie pit exist 0.7 mi. south of the well site at the location of the Continental No.1 East Texas Hills dry hole. It is proposed to obtain the necessary caliche from this pit if of good quality. Another open pit is located 2.4 miles southeast of the proposed location in the Rocky Arroyo field. Use of either of these two sources will not require opening a new pit.

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