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*See Instructions On Reverse Side

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico Energy, Minerals and Natural Resources Department

WELL

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OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

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HOLE PROGNOSIS APPLICATION FOR PERMIT TO DRILL STRATA PRODUCTION COMPANY CERCION FEDERAL #4 WELL 1650' FNL & 1980' FWL SECTION 22, T22S, R32E

In conjunction with form 3160-3, Application for Permit to Drill, Strata Production Company submits the following items in accordance with Onshore Oil and Gas Order Numbers 1 & 2, and with all other applicable federal and state regulations.

- 1. The Geologic surface formation is of Permian Age.
- 2. Estimated tops of geologic markers are as follows:

Rustler	870'	Bone Spring	8610'
Top of Salt	1020'	T.D.	8750'
Base of Salt	4410'		
Lamar	4720'		

3. The estimated depths at which water, oil or gas formations are expected to be encountered are:

*Water: 150' **Oil or Gas: Delaware 4720' - 8750'

* NOTE: Groundwater to be protected by 13 3/8" surface casing with cement circulated to the surface.

**NOTE: Potentially productive horizons to be protected by 5 1/2" production casing with cement tied back to intermediate casing.

- 4. Casing Program: (See Form 3160-3)
- 5. Pressure Control Equipment: See Exhibit "D", BOP diagram.

6. Mud Program: See Application to Drill 3160-3.

- 7. Auxiliary Equipment: None required.
- 8. Testing, Logging, and Coring Program:

Two (2) man Mudlogging unit from top of Delaware to TD DLL-MSFL, CNL-Density, Gamma Ray, Caliper.

9. Abnormal Pressures, Temperature, or other Hazards:

Loss of circulation is possible in the Delaware section of the hole, however, no loss was seen in the recent drilling of offsetting wells.

10. Anticipated starting date: September 15, 1992

Forecasted duration of operations: Drilling: 25 days Completion: 15 days



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