

HOLE PROGNOSIS
APPLICATION FOR PERMIT TO DRILL
STRATA PRODUCTION COMPANY
NASH FEDERAL UNIT #10 WELL
1750' ENL & 1850' FEL
Sec. 12, T23S, R29E

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:

	Surface	Bone Spring	6290'
Rustler			7000'
Top of Salt	350'	T.O.	
Base of Salt	2820'		
Lamar	3100'		

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

*Water: None - Located near salt lake
**Oil or Gas: Delaware 3180' - 6990'

* 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 10 DLL-MSFL, ENL-Density, Gamma Ray, Caliper.

9. Abnormal Pressures, Temperatures, 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: June 30, 1978

Forecasted duration of operations:

Drilling: 20 days
Completion: 16 days