

HOLE PROGNOSIS
APPLICATION FOR PERMIT TO DRILL
STRATA PRODUCTION COMPANY
SUNRISE FEDERAL #1 WELL
1980' FNL & 660' FEL
SECTION 21-7S-34E
ROOSEVELT COUNTY, NEW MEXICO

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 and 2, and all other applicable federal and state regulations.

1. Geologic Name of Surface Formation:

Tertiary

2. Estimated Tops of Geologic Markers:

Base Salt	2150'	P-1	4338'
Yates	2365'	P-2	4420'
San Andres	3650'	P-3	4536'
Pi Marker	4188'		

3. Estimated Depths of Anticipated Fresh Water, Oil or Gas:

Surface	150'	Fresh Water
San Andres	4338' - 4502'	Oil and/or Gas

No other formations are expected to produce oil, gas or fresh water in measurable quantities. The surface fresh water sands will be protected by 8 5/8" casing set from surface to 2142' and was cemented with 900 sacks cement. Any shallower zones above TD which contain commercial quantities of oil and/or gas will have cement circulated across the zone by inserting a cementing stage tool into the 5 1/2" production casing which will be run at TD.

4. Casing Program:

<u>Hole Size</u>	<u>Interval</u>	<u>OD Csg</u>	<u>Weight, Grade, Jt. Cond, Type</u>
7 7/8"	0-4803'	5 1/2"	11.6#, J-55, STC, New

Production Casing: If appropriate, 5 1/2" casing will be set at Total Depth. Strata will utilize cement in sufficient quantities to circulate cement 500' into the 8 5/8" surface casing with approximately 600 sacks Class "C" with additives.

RECEIVED

MAY 1 8 1995

ADD HOURS
OFFICE