

Attachment to "Application for Permit to Drill" Form 9-331 C

South Mattix Unit Federal #28, Unit A, 680' FNL and 810' FEL, Section 22,
Township 24 South, Range 37 East, Lea County, New Mexico

1. Location (See Attached Form C-102)
2. Elevation (See Attached Form C-102)
3. Geologic name of surface formation
Unknown
4. Type of drilling tools and associated equipment to be utilized.
(See Form 9-331 C)
5. Proposed drilling depth. (See Form 9-331 C)
6. Estimated tops of important geologic markers.
Anhydride 991
Glorietta 4782
Upper Yeso 5050
7. Estimated depths at which anticipated water, oil, gas or other mineral bearing
formations are expected to be encountered.
Glorietta 4782
Upper Yeso 5050
8. Proposed casing program including size, grade, and weight of each string and whether
it is new or used. (See Form 9-331 C)
9. Proposed setting depth of each casing string and the amount and type of cement (including
additives) to be used. (See Form 9-331 C)

10. Operator's minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof showing sizes, pressure ratings (or API series) and the testing procedures and testing frequency. (See Attached BOP Program)

11. Type and characteristics of the proposed circulating medium or mediums to be employed for rotary drilling and the quantities and types of mud and weighting material to be maintained.

O - Surface Casing Point -- Native Mud

SCP - TD -- Brine with minimum properties to maintain good hole conditions.

12. Testing, logging and coring programs to be followed with provisions made for required flexibility.

Gamma Ray - Compensated Neutron - Formation Density, Caliper - Dual laterolog with Micro-SFL.

3. Any anticipated abnormal pressures or temperatures expected to be encountered or potential hazards such as hydrogen sulfide gas, along with plans for mitigating such hazards.

None

- Anticipated starting date and duration of operation.

ASAP

- Other facets of the proposed operation, operator wishes to point out for the Geological Survey's consideration of the application.

None