

APPLICATION FOR PERMIT TO DRILL
ANADARKO PETROLEUM CORPORATION
EXXON FEDERAL WELL NO. 1
1980' FNL & 660' FWL
SEC. 19, T19S, R33E; NMPM

In conjunction with Form 3160-3, Application for Permit to Drill, Anadarko Petroleum Corporation submits the following items of pertinent information in accordance with Onshore Oil & Gas Order Nos. 1 & 2, and with all other applicable federal and state regulations.

1. The geologic surface formation is of alluvium and Bolson deposits of quaternary age.
2. Estimated tops of geologic markers are as follows:

Rustler	1110'	Delaware	4930'
T. Salt	1245'	Delaware (pay sd)	5980'
B. Salt	2960'	Bone Springs	7700'
Yates	2960'		
T. Reef	3230'		

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

* Water: 150' - 1110' Red Bed
** Oil: 4930' - 7700' Delaware

*Groundwater to be protected by 10-3/4" surface casing with cement circulated to the surface.

**Potentially productive horizons to be protected by 5-1/2" production casing with cement tied back into the next casing string, ie: intermediate (if set), or surface casing (if intermediate is not set).

4. Proposed Casing Program:

Surface

0' - 1140' (1140') 10-3/4", 40.5#, K-55, ST&C

Intermediate (OPTIONAL)

Note: This intermediate casing is OPTIONAL. It will only be set if lost circulation problems develop while drilling the interval from 1140' to 4500'.

0'-2200'	(2200')	8-5/8", 24#, K-55, ST&C
2200'-2900'	(700')	8-5/8", 24#, S-80, ST&C
2900'-4500'	(1600')	8-5/8", 28#, S-80, ST&C

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