

APPLICATION FOR PERMIT TO DRILL
ANADARKO PETROLEUM CORPORATION
BOGART FEDERAL COM WELL # 1
2030' FNL & 1830' FWL
Sec. 28, T17S, R30E; 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 of quaternary age.
2. Estimated tops of geologic markers are as follows:

T. Salt	570'	T. San Andres	3162'
B. Salt	1170'	T. Lovington	3280'
T. Tansill	1182'	T. Abo	6300'
T. Yates	1315'	T. Wolfcamp	7900'
T. 7-Rivers	1628'	T. Penn	9250'
T. Queen	2344'	T. Strawn	10400'
T. Grayburg	2734'	T. Atoka	10650'
T. Loco Hill	2850'	T. Morrow Clast.	11150'
T. Metex	2918'	T. Lower Morrow	11300'
T. Premier	3098'	T. Barnett	11400'

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

*Water: 200' Red bed
**Oil: 2918' Grayburg
***Oil: 6300' Abo
***Gas 11300' Morrow

- *Groundwater to be protected by 13-3/8" surface casing with cement circulated to the surface.
**Potentially productive horizon (oil) to be protected by 9-5/8" intermediate casing with cement tied back into the surface casing string.
***Potentially productive horizons (oil & gas) to be protected by 4 1/2" casing with an anticipated cement top @ 6000'.

4. Proposed Casing Program:

Surface Casing

0'-550' (550') 13-3/8", 48#, H-40, ST & C

Intermediate Casing

0'-3200' (3200') 9-5/8", 36#, K-55, ST & C
3200'-3500' (300') 9-5/8", 36#, S-80, ST & C

Production Casing

0'-1000' (1000') 4-1/2", 11.6#, N-80, Butt
1000'-10100' (9100') 4-1/2", 11.6#, N-80, LT & C
10100'-10600' (500') 4-1/2", 11.6#, S-95, LT & C