

ATTACHMENT TO APPLICATION FOR
PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Well: Federal "4" Well No. 2

Location: 660' FNL & 1980' FWL, Sec. 4, T-10-S, R-37-E

County: Lea State: New Mexico

Surface Elevation: 3975.2' Proposed TD: 5100'

Surface Formation: Upper Pliocene

FORMATION TOPS

<u>Depth</u>	<u>Formation</u>	<u>Oil</u>	<u>Gas</u>	<u>Water</u>	<u>Minerals</u>
0	Upper Pliocene			X	
2265	Rustler			X	
2970	Yates			X	
4250	San Andres	X			

7. The auxiliary drilling equipment that will be used on the rotary drilling rig will include a Kelly Cock and a sub with a full opening valve will be available on the rig floor.
8. A 60 foot core will be cut on this well starting at a depth of 4980'. A Gamma Ray-Nuetron log will be run upon reaching total depth.
9. No abnormal pressures or temperatures or hazardous gases are anticipated to be encountered in this well.
10. Anticipated starting date will be May 20, 1978 and approximately 20 days will be required to drill and complete the well.

PRESSURE CONTROL EQUIPMENT

Blowout preventer stack (See Exhibit "D") will be installed after surface pipe set at 450'.

Testing frequency every 8 hours.