

7. After setting the 8-5/8" casing string and before drilling into the Wolfcamp formation, the blowout preventers and related control equipment shall be pressure tested to rated working pressures by an independent service company. Any equipment failing to test satisfactorily shall be repaired or replaced. This office should be notified in sufficient time for a representative to witness the tests and shall be furnished a copy of the pressure test report.
8. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be installed and operating before drilling into the Wolfcamp formation and used until production casing is run and cemented. Monitoring equipment shall consist of the following:
  - (1) A recording pit level indicator to determine pit volume gains and losses.
  - (2) A mud volume measuring device for accurately determining mud volume necessary to fill the hole on trips.
  - (3) A flow sensor on the flow-line to warn of any abnormal mud returns from the well.
9. Notify the Survey in sufficient time to witness the cementing of the 8-5/8" casing.
10. Cement behind the 13-3/8" and 8-5/8" casing must be circulated.
11. Please have anyone contacting the Survey in regard to this well to identify the well with all of the information required above for the well sign.

Sincerely yours,

(Sigsbee) ALBERT R. STALL

Albert R. Stall  
Acting District Engineer



**LTR**



**Job separation sheet**





CITIES SERVICE COMPANY  
ENERGY RESOURCES GROUP

Box 1919  
Midland, Texas 79702  
(915) 684-7131

August 14, 1979

United States Department of the Interior  
Geological Survey  
P. O. Drawer "U"  
Artesia, New Mexico 88210

Gentlemen:

Re: Application for Permit to Drill  
Government "S" No. 2  
Eddy County, New Mexico

Cities Service Company respectfully requests permission to drill the Government "S" No. 2 located 660' FSL and 1980' FEL, Section 3-20S-28E, Eddy County, New Mexico, Lease No. NM-9818.

The location, work area and access road has been staked. It is approximately 11 miles NNE of Carlsbad, New Mexico in the Winchester Area.

In accordance with the requirement stated in NTL-6 of the National Environmental Policy Act, our Application for Permission to Drill and supporting evidence is hereby submitted:

1. Form 9-331C, Application for Permit to Drill.
2. Form C-102, Well Location and Acreage Dedication Plat certified by John W. West, Registered Land Surveyor #676 in the State of New Mexico.
3. The elevation of the unprepared ground is 3271.0 feet above sea level.
4. The geologic name of the surface formation is "Permian Rustler".
5. Rotary drilling equipment will be utilized to drill the well to TD 11,400' and run casing. This equipment will then be rigged down and the well will be completed with a pulling unit.
6. Proposed total depth is 11,400'.