

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 2377
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		
2. NAME OF OPERATOR Cities Service Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Box 1919 Midland, TX 79702		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FSL, 1980' FWL of Section 12, Township 20S, Range 28E, Eddy County, NM		8. FARM OR LEASE NAME GOVERNMENT Y
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 11 miles Northeast of Carlsbad, NM		9. WELL NO. 2
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660' East		10. FIELD AND POOL, OR WILDCAT Und. Burton Flat Mor-
16. NO. OF ACRES IN LEASE 320		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA row Sec 12, T20S, R28E
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		12. COUNTY OR PARISH Eddy
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 11,500'		13. STATE NM
19. PROPOSED DEPTH 11,500'		20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3257' GR		22. APPROX. DATE WORK WILL START* May 1, 1980

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17½"	13-3/8"	48	600	600 sacks
12½"	8-5/8"	24 & 32	3000	1650 sacks
7-7/8"	5½"	17 & 20	11500	750 sacks

It is proposed to drill to a total depth of 11,500' to test the Morrow formation. The blow out prevention program is as follows:

1. one set of blind rams.
2. one set of drill pipe rams.
3. one Hydril.
4. one rotating head.

The acreage allocated to this well is not dedicated to any gas gatherer.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED E. Spiller TITLE Region Oper. Mgr. DATE 3/17/80  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: