

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK
 b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE
 2. NAME OF OPERATOR
 Southern Union Exploration Company
 3. ADDRESS OF OPERATOR
 First International Bldg., Suite 1800, Dallas, Texas 75270
 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 810' FSL, 1520' FEL
 At proposed prod. zone
 Same as Above.
 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 18 miles south of Farmington, New Mexico
 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 810'
 16. NO. OF ACRES IN LEASE 320
 17. NO. OF ACRES ASSIGNED TO THIS WELL 160 Acres
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1520'
 19. PROPOSED DEPTH 1500 FT.
 20. ROTARY OR CABLE TOOLS Rotary
 21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 22. APPROX. DATE WORK WILL START* 9-17-79

5. LEASE DESIGNATION AND SERIAL NO.
 NM 33030
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
 SX - Federal 25
 9. WELL NO.
 #1
 10. FIELD AND POOL, OR WILDCAT
 Pictured Cliffs
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 25, T26N, R13W
 12. COUNTY OR PARISH
 San Juan
 13. STATE
 New Mexico

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10 5/8	7"	20	210	Circulate
5 1/2	2 7/8	6.40	1500	800 Sacks

1. We propose to drill to 210 feet and set 7 inch surface, and cement to the surface.
2. Drill out with 5 1/2 to depth of 1500 feet, then run 2 7/8 tubing and cement to the surface.
3. The Pictured Cliffs Formation will be perforated and evaluated for gas production.
4. 1 1/4" tubing will be used to produce the well.

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 Ronald A. Sautz TITLE Drilling & Production Engineer DATE 9/5/79

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY: