

P. O. BOX 1980
ROSWELL, NEW MEXICO 88240
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-025-27669

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
LC 063623-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Arco Federal

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
Sawyer-San Andres

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Lot 3
4-10S-38E

12. COUNTY OR PARISH
Lea

13. STATE
N.M.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
14 Miles East and 13.7 miles North of Tatum, N.M.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
457' ±

16. NO. OF ACRES IN LEASE
613.07

17. NO. OF ACRES ASSIGNED TO THIS WELL
33.86 (Lot 3)

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1320'

19. PROPOSED DEPTH
5200' San Andres

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3895 GL

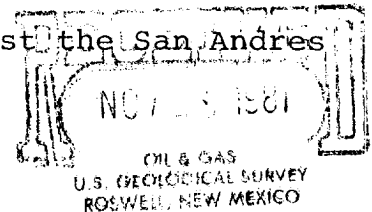
22. APPROX. DATE WORK WILL START*
December 1, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24# K55	400'	300 sx Circulated
7 7/8"	4 1/2"	9.5# K55	5200'	625 sx Circulated
				To isolate all water, oil and gas zones

It is proposed to drill this well to 5200' to test the San Andres formation for production of oil and gas.

See attached "Supplemental Drilling Data".



Gas is not dedicated.

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 Jerry W. Long TITLE Agent DATE November 16, 1981
 (This space for Federal or State office use)

PERMIT NO. APPROVED APPROVAL DATE

APPROVED BY JAMES A. GILLHAM TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

DEC 1 1981
 JAMES A. GILLHAM
 DISTRICT SUPERVISOR

*See Instructions On Reverse Side