

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

(Other instructions on reverse side)

Budget Bureau No. 1004-0136
Expires August 31, 1985

LEASE DESIGNATION AND SERIAL NO.

S-NM-5010 LC 054453

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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

ARCO Oil and Gas Company, a Division of Atlantic Richfield Co.

3. ADDRESS OF OPERATOR

P.O. Box 1610, Midland, Texas 79702

4. LOCATION OF WELL (Report clearly and in accordance with any State requirements.)

At surface 1980' FNL & 1980' FEL Unit G

At proposed Prod. zone Approximately the same

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

DUTHIE ANDREWS' COM(VN)

9. WELL NO.

#7

10. FIELD AND POOL, OR WILDCAT

Jalmat

11. SEC., T., M., OR BLK.

AND SURVEY OR AREA Unit Letter G

Sec 19, T23S-R38E 37E

12. COUNTY

Lea

13. STATE

NM

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. line, if any) 660'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED TO THIS WELL

320

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

19. PROPOSED DEPTH

3400'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether GR or KB)

3325.3 GL

22. APPROX. DATE WORK WILL START

Spud 4/90

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT ¹¹³
12-1/4"	8-5/8"	24#	350'	300 (circulate) WITNESS
7-7/8"	5-1/2"	15.5#	3400'	1050 (circulate)

Pursuant to the "Onshore Oil and Gas Order #1" attachments are as follows:

1. Exception for unorthodox gas well location: Administration Order NSL-2756(SD)
2. Certified Location Plat
3. Drilling Plan with attachments
4. Surface Use Plan with attachments
5. Release of Damage Claim

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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

Lonny D. Reynolds

TITLE

Area Drilling Engineer

DATE

3/9/90

(This space for Federal or State Use) R. D. Reynolds

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

AREA MANAGER
CARLSBAD RESOURCE AREA

DATE

5-10-90

CONDITIONS OF APPROVAL, IF ANY:

***See Instructions On Reverse Side**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NSL-2756(SA)