

NM OIL CON. COMMISSION
DRAWER DD
ARTESIA, NM 88210

Form 3160-3
(December 1990)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved,
Budget Bureau No. 1004-0136
Expires: December 31, 1991

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM 0331649 (A)		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Collins & Ware, Inc.			7. UNIT AGREEMENT NAME		
3. ADDRESS AND TELEPHONE NO. 508 W. Wall, Suite 1200, Midland, Texas 79701 (915) 687-3435			8. FARM OR LEASE NAME, WELL NO. Ram Ewe Federal #2		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* 470' FSL & 2310' FWL, UL "N" At proposed prod. zone Same			9. API WELL NO. 30-015-27736		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 4 miles SW from Carlsbad, New Mexico			10. FIELD AND POOL, OR WILDCAT Happy Valley Delaware		
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 470' / 330'		16. NO. OF ACRES IN LEASE 440		17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 990'		19. PROPOSED DEPTH 5100		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3350 GL				22. APPROX. DATE WORK WILL START* Unknown	

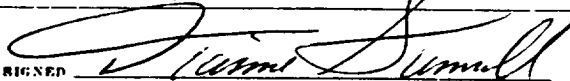
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8 K55	54.5#	500	400 SX - <u>Circulated</u>
11	8 5/8 J55	24#	1650	650 sx - <u>Circulated</u>
7 7/8	5 1/2 K55	15.5#	5100	800 sx - <u>Tie back into 8 5/8"</u>

Operator proposed to drill the Delaware formation to test for possible commercial production of oil and gas. If productive, production casing will be set to TD. If non-productive, the well will be P&A'd in accordance with Federal and State regulations and according to good engineering practice. Specific programs according to Onshore Oil and Gas Order #1 are outlined in the following attachments:

- | | |
|--|---|
| 1. Well location and acreage dedication plat.
2. Drilling Program
Exhibit #1: BOP and choke manifold
3. Surface Use and Operation Plan
Exhibit #2: Existing Roads
Exhibit #2A: Planned Access Roads
Exhibit #3: One-mile Radius Map with Lease Boundry
Exhibit #3A: Well Status | Exhibit #4: Drilling Rig Layout
Exhibit #5: Production Facilities Layout |
|--|---|

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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.  **Dianne Sumrall**
SIGNED _____ TITLE **Production Clerk** DATE **11/10/94**

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

APPROVED BY **(ORIG. SGD.) RICHARD L. MANTIS** **AREA MANAGER** DATE **12/15/94**

*See Instructions On Reverse Side