

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

# APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEEN</b> <input type="checkbox"/>		7. UNIT AGREEMENT NAME	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. FARM OR LEASE NAME, WELL NO. <b>BARCLAY FEDERAL</b> 7	
2. NAME OF OPERATOR <b>ARCO Permian</b> 990		9. API WELL NO. 20860	
3. ADDRESS AND TELEPHONE NO. P.O. Box 1610, Midland, TX 79702 915-688-5570		10. FIELD AND POOL, OR WILDCAT LW, LIVINGSTON RIDGE (DEL) S, 96149	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At surface 1980' FSL, 1980' FWL At proposed prod. zone SAME		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 12-23S-R31E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 21 MILES EAST FROM LOVING		12. COUNTY OR PARISH EDDY	13. STATE NM
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1980	16. NO. OF ACRES IN LEASE 1280.81	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. 2000'	19. PROPOSED DEPTH 8450'	20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3506'		22. APPROX. DATE WORK WILL START* 8/97	

## SECRETARY'S POTASH

## R-10 OPEN CASING AND

# ~~CARLSBAD CONTROLLED WATER BASIN~~

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	13-3/8 H-40	48 ST&C	860	CIRCULATE WITNESS
11	8-5/8 K-55	32 ST&C	4600	CIRCULATE WITNESS
7-7/8	5-1/2 J-55	15.5, 17 LT&C	8450	480

SUBJECT WELL IS PLANNED AS A 8450' STRAIGHT HOLE.  
3,000 PSI BOPE WILL BE USED FROM 860' TO TD.

ATTACHMENTS ARE AS FOLLOWS:

1. CERTIFIED LOCATION PLAT
2. DRILLING PLAN WITH ATTACHMENTS
3. SURFACE USE PLAN WITH ATTACHMENTS

**APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED**

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1997 JUL 11 A 9:11  
DEPT OF LAND MGMT  
ROSSLAND OFFICE

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. SIGNED Elizabeth H. Crober TITLE REGULATORY COMPLIANCE DATE 7-9-97

(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:**

APPROVED BY WILLIAM H. W. WILEY TITLE KINDS STATE DIRECTOR DATE 7-5-77

**\*See Instructions On Reverse Side**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully 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.