

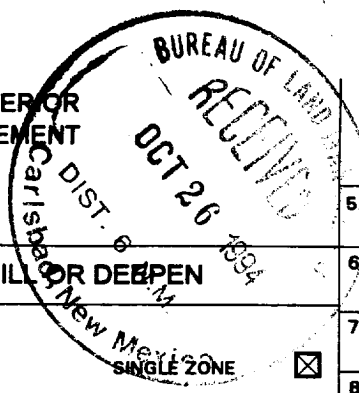
**NM OIL CONS. COMMISSION**  
**DRAWER DD**  
**ARTESIA, NM 88210**

Form 3160-3  
 (December 1990)

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

FORM APPROVED  
 Budget Bureau No. 1004-0136  
 Expires: December 31, 1991

SUBMIT IN TRIPLICATE



*clsf*

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

5. Lease Designation and Serial No. **NM 0441951-A**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and Number  
**WHITE CITY '31' FEDERAL**  
*16201*

9. API Well No.  
*30-015-2824*

10. Field and Pool, Exploratory Area  
**WHITE CITY PENNSYLVANIA**  
*(GAS) 87280*

11. SEC., T., R., M., or BLK. and Survey or Area  
 Sec. 31, Township 24-S, Range 26-E

12. County or Parish **EDDY** 13. State **NM**

14. Distance in Miles and Direction from Nearest Town or Post Office\*  
**19 MILES SOUTH OF CARLSBAD, NM**  
*NOV 30 '94*

15. Distance From Proposed\* Location to Nearest Property or Lease Line, Ft. (also to nearest drlg. unit line, if any) **1662'**

16. No. of Acres in Lease **879.52**

17. No. of Acres Assigned To This Well **640**

18. Distance From Proposed Location\* to Nearest Well, Drilling, Completed or Applied For, On This Lease, Ft. **1st WELL**

19. Proposed Depth **11850'**

20. Rotary or Cable Tools **R**

21. Elevations (Show whether DF, RT, GR, etc.)  
**GR-3458' Carlsbad Controlled Water Basin**

22. Approx. Date Work Will Start\*  
**11/20/94**

**23 PROPOSED CASING AND CEMENT PROGRAM**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	WC40, 13 3/8	48#	400'	450 SACKS - CIRCULATE
12 1/4	WC50, 9 5/8	36#	1650'	725 SACKS - CIRCULATE
8 3/4	L-80, 7	23# & 26#	8500'	2315 SACKS - CIRCULATE
6 1/8	L-80, 4 1/2 LINER	13.50#	11850' (TOP @ 8000')	760 SACKS - CIRCULATE

**CEMENTING PROGRAM:**  
 SURFACE - 450 SACKS CLASS C w/ 2% CACL2 (15.6PPG, 1.19CF/S, 6.3GW/S).  
 1st INTER - 525 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8PPG, 1.94CF/S, 10.4GW/S). F/B 200 SACKS CLASS H (15.6PPG, 1.18CF/S, 5.2GW/S).  
 2nd INTER - 1st STG: 645 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8PPG, 1.94CF/S, 10.4GW/S). F/B 200 SACKS CLASS H (15.6PPG, 1.18CF/S, 5.2GW/S).  
 DV TOOL @ 6000' - 2nd STG: 1370 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8PPG, 1.94CF/S, 10.4GW/S). F/B 100 SACKS CLASS H (15.6PPG, 1.18CF/S, 5.2GW/S).  
 PRODUCTION LINER - 760 SACKS CLASS H w/ 2 GPS D600, 0.2 GPS M45, 2% B28, .3% D800 (15.6PPG, 1.20CF/S, 5.33GW/S).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.  
*Approval Subject to General Requirements and Special Stipulations Attached*

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 true verticle depths. Give blowout preventer program, if any.

24. I hereby certify that the foregoing is true and correct

SIGNATURE *C. Wade Howard* TITLE **Eng. Assistant** DATE **10/25/94**

TYPE OR PRINT NAME **C. Wade Howard**

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE **NOS DATED 10-7-94**

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.

APPROVED **MORIG SOD RICHARDS** TITLE **ASST. DIR.** DATE **11/23/94**

CONDITIONS OF APPROVAL, IF ANY:

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.