

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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  
 R & C Drilling, Company, Inc.

3. ADDRESS OF OPERATOR  
 1775 Broadway New York, New York 10019

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 1450' FSL, 790' FSL, T27N, R8W, N40W  
 At proposed prod. zone  
 5280' San Juan County, New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

5. LEASE DESIGNATION AND SERIAL NO.  
 SF-078481-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Graham

9. WELL NO.  
 48

10. FIELD AND POOL, OR WILDCAT  
 Blanco Mesa Verde

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 10-T27N, R8W

12. COUNTY OR PARISH      13. STATE  
 San Juan                      New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 1450' FSL 790' W/4

16. NO. OF ACRES IN LEASE  
 160

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 320 ( 3/2 Sec. 10 )

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

19. PROPOSED DEPTH  
 4420

20. ROTARY OR CABLE TOOLS  
 Rotary

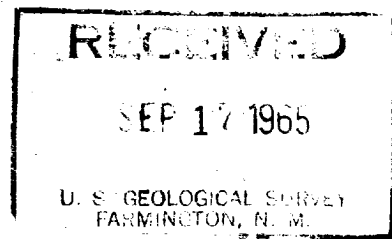
21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5872 GR

22. APPROX. DATE WORK WILL START\*  
 9-20-65

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15	10 3/4	36#	210	200
9 3/4	7 1/2	24#	2300	200
6 3/4	4 1/2	11.60#	650	350

Dakota production depleted.  
 Shall squeeze Dakota perforation: ( 6277-6524 ) with 100 sacks cement.  
 Shall set 4 1/2" casing plug at 4450'.  
 Shall log and perforate Mesa Verde formation and sand-water frac.  
 Shall run 2 3/8" tubing to base of Mesa Verde  
 Blowout preventer shall be in use during entire operation.



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. SIGNATURE: *William C. Russell* TITLE: President DATE: 9-15-65

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

