

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 Unknown

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

BCO, Inc.

## 3. ADDRESS OF OPERATOR

P. O. Box 669 Santa Fe, New Mexico 87501

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

At surface

790' FNL 790' FWL Section 17 T22N R9W NMPM

At proposed prod. zone

Same

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

15 miles Nageezi, New Mexico 87037

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. line, if any)

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

## 16. NO. OF ACRES IN LEASE

2240.94

## 17. NO. OF ACRES ASSIGNED

TO THIS WELL 40

## 19. PROPOSED DEPTH

See below

## 20. ROTARY OR CABLE TOOLS

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

GR 6424

## 22. APPROX. DATE WORK WILL START\*

9/19/77

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

Set cement retainer at 3100' and plug Gallup perforations (3655-3842) with 75 sacks of cement, thereby abandoning well permanently from T.D. thru 3100'. Gallup zone is presently capable of 1 BOPD, 10 BWPD and no gas. It is not economic to operate this well any longer.

Perforate w/2 shots at 2900' and try to get circulation to surface. If successful, cement with 350 sacks 50-50 POZ.

If unsuccessful, try to block squeeze between 2580-2900.

If unsuccessful, perforate 2850;2844;2823;2814;2810;2800;2706;2694;2655;2645;2626 & 2614 and squeeze perfs with cement.

If successful cement job obtained, perforate and test the following:

Menefee: 2619-2622 & 2648-2651 Point Lookout: 2697-2700 Mancos Transition: 2802-01  
2818-20; 2845-47

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

*Harry R. Byrd*

TITLE President

DATE 9/13/77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

SEP 14 1977