

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-24218

## 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

BCO, Inc.

## 3. ADDRESS OF OPERATOR

135 Grant, Santa Fe, NM 87501

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

At surface

745' FSL &amp; 790' FWL

At proposed prod. zone

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

approx. 1 mile west of Lybrook, NM

## 15. DISTANCE FROM PROPOSED\*

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

745'

## 16. NO. OF ACRES IN LEASE

1086 more or less

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.1693' from  
BCO, Inc.  
Dunn #7

## 19. PROPOSED DEPTH

6527'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

7130' GL

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

ASAP

23. PROPOSED CASING AND CEMENTING PROGRAM  
This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	
12-1/4"	8-5/8"	23#	200'	190 cu.ft. circ. to surface
7-7/8"	4-1/2"	11.6#	6527'	2773 cu.ft. circ. to surface

Plan to drill a 12-1/4" hole and set 200' of 8-5/8" OD, 23#, new surface casing; then plan to drill a 7-7/8" hole to total depth with gel-water-mud program to test Gallup and Graneros formations. Plan to run IES and CDL logs. If determined productive, will run 4-1/2", 11.6#, new N-80 casing, selectively perforate, frac, clean out after frac and complete well.

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 Elizabeth B. Keeshan TITLE Vice-President DATE 5-6-88  
Elizabeth B. Keeshan  
(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

All distances must be from the outer boundaries of the Section.

Operator BCO, Inc.		Lease Dunn		Well No. 15
Unit Letter M	Section 9	Township 23 North	Range 7 West	County Rio Arriba
Actual Footage Location of Well: 745 feet from the South line and 790 feet from the West line				
Ground Level Elev. 7130	Producing Formation Graneros/Gallup	Pool Undesignated Graneros/ Lybrook Gallup EXT	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

RECEIVED PLM MAIL ROOM 30 MAY -6 PM 2:50 FARMINGTON LEASING AREA FARMINGTON, NEW MEXICO		SECTION 9	
BCO, Inc. #SF-078272 790' — (●) — 745'			

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Elizabeth B. Keeshan

Name  
Elizabeth B. Keeshan

Position  
Vice-President

Company  
BCO, Inc.

Date  
5-6-88

EDGAR L. RISENHOF  
NEW MEXICO  
1979  
I have surveyed the well location and plan and collected from field notes and other data by me or under my supervision, and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed  
April 5, 1988

Registered Professional Engineer  
and/or Land Surveyor

Edgar L. Risenhofer

Certificate No. 5979

