

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-078272
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"/>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME
2. NAME OF OPERATOR BCO, Inc.		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 669 Santa Fe, New Mexico 87501		8. FARM OR LEASE NAME Dunn
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2070' FNL 2260' FWL Sec 10 T23N R7W NMPM At proposed prod. zone Same		9. WELL NO. 2
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Lybrook Gallup Dakota
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 380'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 10 T23N R7W NMPM
16. NO. OF ACRES IN LEASE 1086		12. COUNTY OR PARISH 13. STATE Rio Arriba New Mexico
17. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3000'		18. NO. OF ACRES ASSIGNED TO THIS WELL 40
19. PROPOSED DEPTH 7200		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7265 GR		22. APPROX. DATE WORK WILL START* See Below

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	120	Circulate
7 7/8	4 1/2 or 5 1/2	10.5 or 15.5	7200	3 Stage details below

## PROPOSED WORK

Drill 12 1/4" hole to approximately 120'. Circulate cement. Drill 7 7/8" hole to bottom of Dakota formation or approximately 7200'. Set 4 1/2 or 5 1/2 casing whichever is available, and three stage cement with 125 sack from Dakota to Gallup, 125 sacks over Gallup and recommended Halliburton volume to try and cement from top of Gallup to as near the surface as possible. Perforate and complete Dakota zone. If commercial a request to co-mingle with Gallup will probably be made. Proposed completion for Gallup will be made at that time.

## DATE OF PROPOSED WORK

Surface casing will be set as soon as approval is obtained.  
Hole will be drilled as soon as casing and drilling contractor obtained.  
We expect this to be the 1st quarter of 1975.

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 prevention program, if any.

24. SIGNER Harry R. Bugh TITLE President DATE 11-18-74

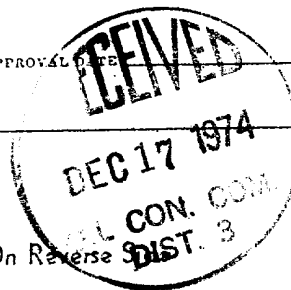
(This space for Federal or State office use)

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

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse



**MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

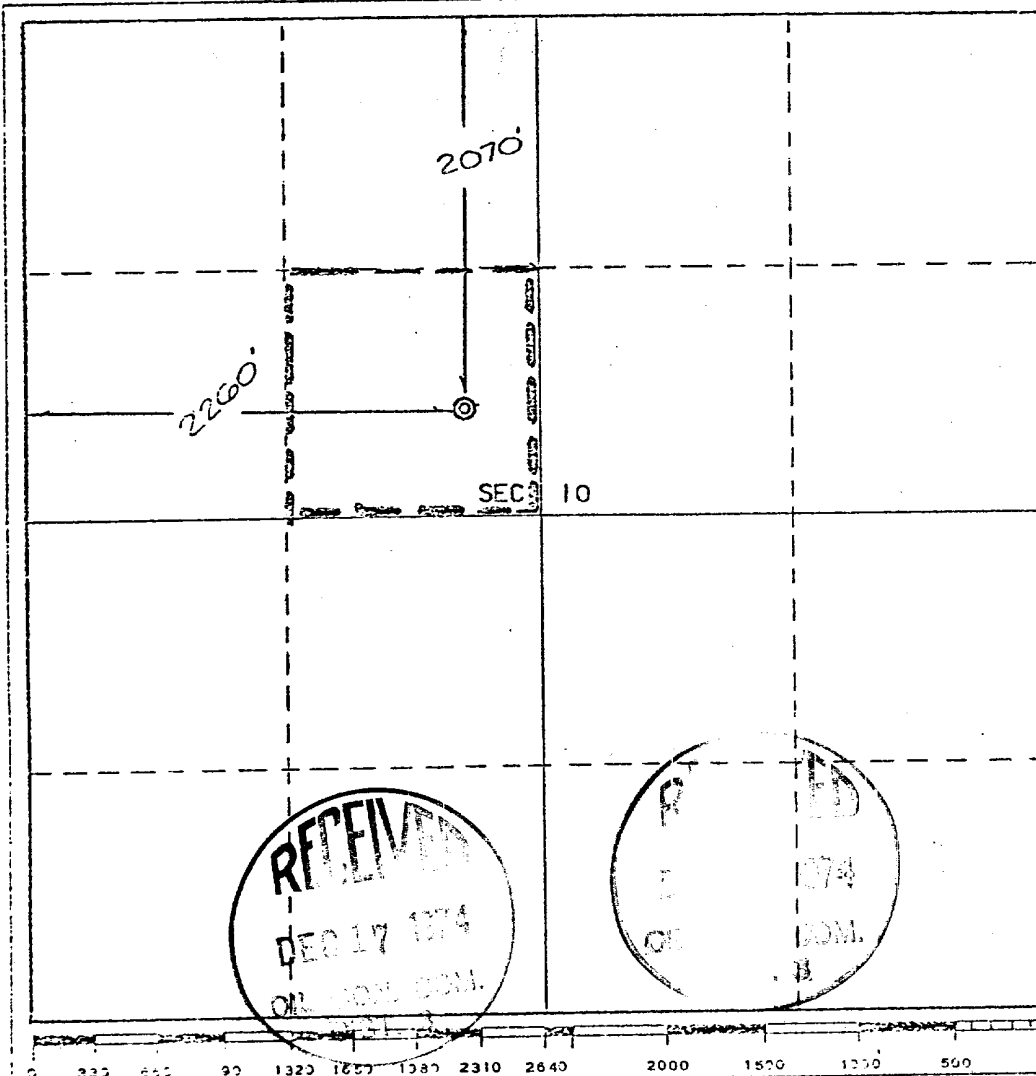
Operator <b>BCO, Inc.</b>			Lease <b>Dunn</b>		Well No. <b>2</b>
Unit Letter <b>F</b>	Section <b>10</b>	Township <b>23 North</b>	Range <b>7 West</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>2070</b> feet from the <b>North</b> line and <b>2260</b> feet from the <b>West</b> line					
Ground Level Elev. <b>7265</b>	Producing Formation <b>Gallup</b>		Pool <b>Lybrook Gallup</b>		Dedicated Acreage: <b>40</b> 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 N/A

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 Commission.



**CERTIFICATION**

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

*Harry R. Bigbee*  
Name

**Harry R. Bigbee**

Position

**President**

Company

**BCO, Inc.**

Date

**11-18-74**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

**November 9, 1974**

Registered Professional Engineer and/or Land Surveyor

*E. V. Echhawk*  
Certificate No. **3502**

**E.V. Echhawk LS**

Existing wells •  
Proposed location ②

Sheet 1

LYBROOK QUADRANG  
NEW MEXICO

7.5 MINUTE SERIES (TOPOG)

