

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

RECEIVED

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

BCO, Inc.

3. ADDRESS OF OPERATOR

135 Grant Ave., Santa Fe, NM 87501

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

At surface

800' FSL 1840' FEL Sec 21, T24N, R7W, Rio Arriba Co.

At proposed prod. zone

Same

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

Approximately 5 miles North of Escrito Trading Post, NM

15. DISTANCE FROM PROPOSED\*

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

520 feet

16. NO. OF ACRES IN LEASE

240

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

W 80

18. DISTANCE FROM PROPOSED LOCATION\*

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

2830 feet

19. PROPOSED DEPTH

5800'

20. ROTARY OR CABLE TOOLS

Rotary

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

GR 6875'

DRILLING OPERATIONS AUTHORIZED ARE

SUBJECT TO COMPLIANCE WITH ATTACHED

PROPOSED CASING AND CEMENTING PROGRAM  
"GENERAL REQUIREMENTS"

22. APPROX. DATE WORK WILL START\*

7/18/84

23.

This action is subject to administrative  
appeal pursuant to 30 CFR 280.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	
12 1/4"	8 5/8" New	24# 8 Rd.	200'±	150 sacks Class H
7 7/8"	4 1/2" New	11.6# N80	5800'	1525 Sacks Class H

Drill surface hole to 200'±. Cement to surface with approximately 150 sacks Class H, 3% CaCl, 1/4# flocele. Drill 7 7/8" hole to TD 5800'. Run 4 1/2" casing to TD. Cement to be as follows:

First Stage:

10 Bbls. of mud flush, 175 Sacks Class H 2% CaCl, 8# salt, 1/2# flocele, 6 1/4# gilsonite, mixed at 15.2#'s. Yield 1.36 cubic feet per sack for a total of 238 cubic feet. Top of cement will be reported on subsequent Sundry Notice based on the cement log.

Second Stage:

10 Bbls. of water, 1000 gallons of FLO CHECK, 5 Bbls. of water, approximately 1350 sacks of 65/35 Class H, 3% gel, 12 1/2# gilsonite, 5.6# salt, 8.2 Calseal mixed at 13.35#'s. Yield 1.68 cubic feet per sack. Plan to circulate to surface. Actual Second Stage will be determined after caliper log determines area to be cemented.

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 flowout program, if any.

24.

SIGNED

Harry R. B.

TITLE

President

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL:

TITLE

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JUL 19 1984  
OIL CON. DIV  
DIST. 3

NMOCC

\*See Instructions On Reverse Side

APPROVED

AS AMENDED

JUL 17 1984

/s/ J. Stan McKee

AREA MANAGER  
FARMINGTON RESOURCE AREA

## OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-102  
Revised 10-1-77STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

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

Operator <b>BCO Inc.</b>		Lease <b>Federal 3-21</b>		Well No. <b>4</b>	
Unit Letter <b>0</b>	Section <b>21</b>	Township <b>24 North</b>	Range <b>7 West</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>800</b> feet from the <b>South</b> line and <b>1840</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6875</b>	Producing Formation <b>Gallup</b>		Pool <b>Escrito Gallup</b>		Dedicated Acreage: <b>80</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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

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OIL CON. DIV.  
DIST. 3

Sec. 21

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JUL 19 1984

SUGAR CREEK

800'

1840'

## 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

June 19, 1984

EDGAR L. RISENHOOVER  
NEW MEXICO  
5979  
REGISTERED LAND SURVEYOR  
I hereby certify that the location shown on this plat was taken 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.

Date Surveyed

June 11, 1984

Registered Professional Engineer  
and/or Land Surveyor*Edgar L. Risenhoover*

BCO, Inc.  
Exhibit 1  
3-21 #4

Oil Well



Proposed Location

Proposed Construction Road

