

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

NM-8005

OF INDIAN ALLOTTEE OR FEDERAL LAND

1. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

UNIT AGREEMENT NAME

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

FARM OR LEASE NAME

2. NAME OF OPERATOR

BCO, Inc.

Federal D

3. ADDRESS OF OPERATOR

135 Grant Ave., Santa Fe, NM 87501

WELL NO.

4

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

At surface

10. FIELD AND POOL, OR WILDCAT

South Bisti Gallup Ext

At proposed prod. zone 960' FNL & 865' FEL

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec 10, T23N, R9W, NMPM

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

Approximately 2.1 miles SW of Nageezi, NM

12. COUNTY OR PARISH

San Juan

13. STATE

NM

15. DISTANCE FROM PROPOSED*

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

1292'

16. NO. OF ACRES IN LEASE

2406.65

17. NO. OF ACRES ASSIGNED
TO THIS WELL

E/80

18. DISTANCE FROM PROPOSED LOCATION* approx. 1950ft.
TO NEAREST WELL, DRILLING COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

from BCO's prpsd

19. PROPOSED DEPTH

5200'

20. ROTARY OR CABLE TOOLS

Rotary

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

GL 6993'

22. APPROX. DATE WORK WILL START*

ASAP

23. PROPOSED CASING AND CEMENTING PROGRAM

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
GENERAL REQUIREMENTS

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	GENERAL REQUIREMENTS
12 1/4"	8-5/8"	24#	200'	150 sx (190 cu.ft.)
7-7/8"	4 1/2"	11.6#	5200'	1260 sx (1487 cu.ft.)

Plan to drill a 12 1/4" hole and set 200' of 8-5/8" OD, 24#, limited service, range 3 surface casing; then plan to drill a 7-7/8" hole to total depth with gel-water-mud program to test the Gallup formation. Plan to run IES and CDL logs. If determined productive, will run 4 1/2", 11.6#, J-55 and 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

President

DATE

10/11/90

(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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Appropriate
Office
Lease - 4 copies
No Lease - 3 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

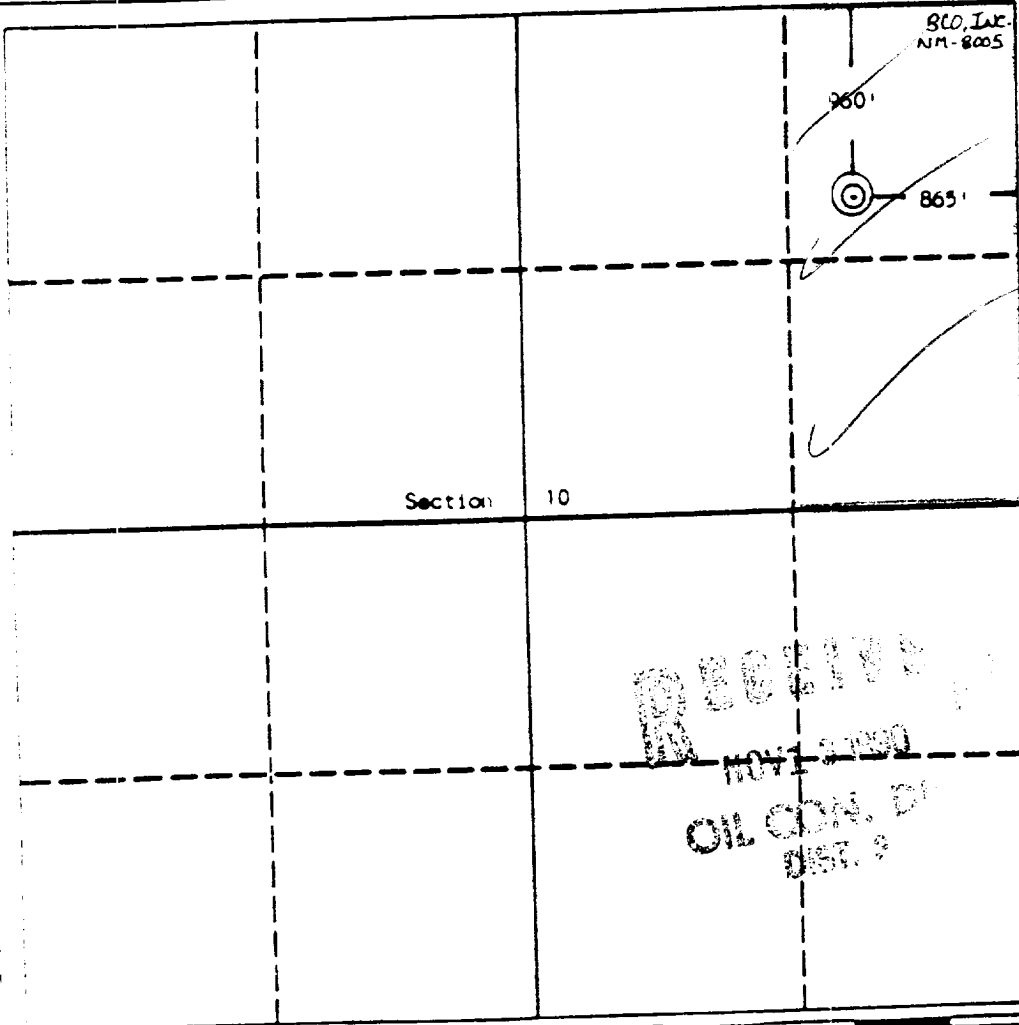
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator BCO, Inc.		Lease Federal D		Well No. 4
Unit Letter A	Section 10	Township 23 North	Range 9 West	County San Juan
Actual Footage Location of Well: 960 feet from the North line and 865 feet from the East line				
Ground level Elev. 6893		Producing Formation Gallup		Dedicated Acreage: 80 Acres
South Bisti Ext				

- Outline the acreage dedicated to the subject well by colored pencil or leadless marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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, force-pooling, or otherwise) or until a non-standard unit, encompassing such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature
Elizabeth B. Keeshan
Printed Name
Elizabeth B. Keeshan
Position
President
Company
BCO, Inc.
Date
10/11/90

SURVEYOR CERTIFICATION

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
August 29, 1990

Signature & Seal of Professional Surveyor
EDGAR L. RISENHOOVER
NEW MEXICO
3779
Certificate No. 5970
Edgar L. Risenhoover