

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY30-645-24377
LAND ACQUISITION AND REVENUE

NM-8005

FEDERAL GOVERNMENT OF THE UNITED STATES

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

2. TYPE OF WELL

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

3. NAME OF OPERATOR

BCO, Inc.

4. ADDRESS OF OPERATOR

135 Grant Ave., Santa Fe, NM 87501

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

At surface

At proposed prod. zone

660' FSL & 660' FWL

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

Approximately 3.1 miles SW of Nageezi, NM

7. DISTANCE FROM PROPOSED

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

660'

8. NO. OF ACRES IN LEASE

2406.65

9. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL DRILLING COMPLETED
OR APPLIED FOR ON THIS LEASE, FT.approx. 2311 ft.
from BCO's prpsd

10. PROPOSED DEPTH

5000'

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

GL 6730'

This action is subject to technical and
procedural review pursuant to 43 CFR 165.3
and appeal pursuant to 43 CFR 165.4.

12. PROPOSED DRILLING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	3-5/8"	24#	200'	150 sx (190 cu.ft.)
7-7/8"	4 1/2"	11.6#	5000'	1250 sx (1475 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 prevention program, if any.

24.

SIGNED

Elizabeth B. Keeshan
Elizabeth B. Keeshan

TITLE

President

DATE

10/11/90

(This space for Federal or State office use)

AS AMEND

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY

ale

NMOCD

*See Instructions On Reverse Side

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

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

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

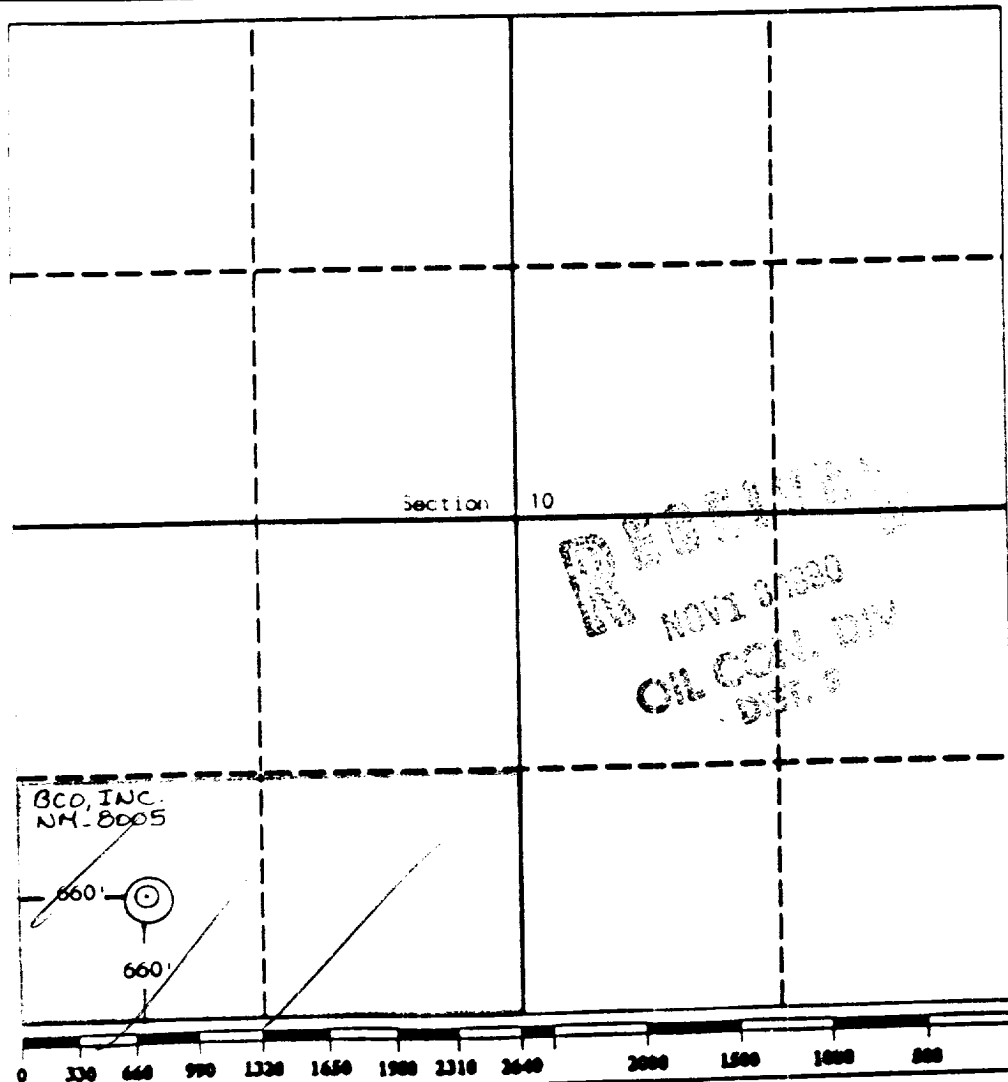
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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. 6
Unit Letter M	Section 10	Township 23 North	Range 9 West	County San Juan	
Actual Footage Location of Well: 660 feet from the South line and 660 feet from the West line					
Ground level Elev. 6730	Producing Formation Gallup	Pool South Bisti Ext.	Dedicated Acreage: 80 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hectare 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 interest 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, eliminating 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.

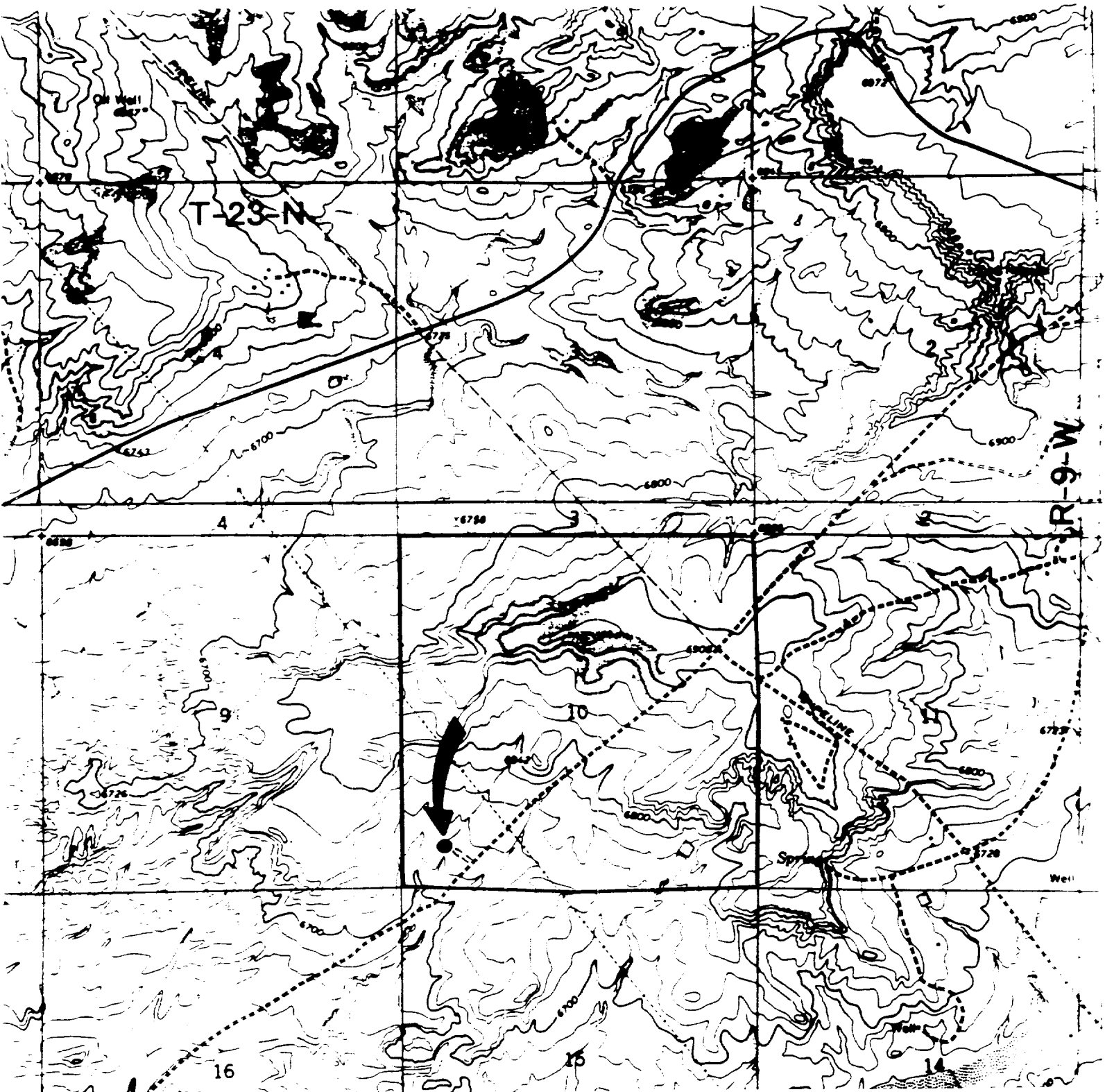
Signature
Elizabeth B. Keeshan
Printed Name
Elizabeth B. Keeshan
Position
President
Company
BCO, Inc.
Date
10/11/90

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
Edgar L. Risenhoover, Surveyor
NEW MEXICO
3972



Existing Roads

Exhibit E

Vicinity of nearest town or reference pt.
approx. 3.1 miles sw of Nageezi Trading
Post

Type of surface dirt

Conditions good

Other _____

Reference map: USGS map Crow Mesa West,
New Mexico, provisional ed 1985; Blanco
Trading Post, NM 1966; Kimbeto, NM 1967;
Lybrook NW, NM 1966

Planned Access Road(s)

Exhibit E

Width 20' Maximum grades 1%

Drainage design as required

Cuts & Fills see diagram

Surfacing material none

Turnouts

Culverts

Gates

Cattleguards

Fence cuts

Waterbars

Access road(s) do/do not cross (Fed, Ind land.

BCO, Inc. - Federal D #6