

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-043-20337  
9. LEASE DESIGNATION AND SERIAL NO.

NM-6682

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

P.O. Box 669 Santa Fe, New Mexico 87501

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

At surface

1800' FSL and 1760' FEL Sec. 34 T23N R7W

At proposed prod. zone

Same

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

Approximately 6 miles south and 9 miles east of Nageezi, NM

7. DISTANCE FROM PROPOSED

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, ET.

(Also to nearest city, town, etc., if any)

1760'

8. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,

OR OTHER FOR, ON THIS PLANE, ET.

1670

9. NO. OF ACRES IN LEASE

2080

10. NO. OF ACRES DESIGNATED  
TO THIS WELL

40

11. PROPOSED DEPTH

5200' Gallup

12. LOGARY OR CABLE TOOLS

Rotary

13. STRATIGRAPHY (Show whether DE, RT, GR, etc.)

6965' GR.

14. APPROX. DATE WORK WILL START\*

7-1-78

15.

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" NEW     | 24.00#          | 140'          | 75 sacks           |
| 6 3/4"       | 4 1/2" NEW     | 10.50#          | 5200          | At least 200 sacks |

As required by NTL-6 the following information is provided:

1. LOCATION -- See #4 & #11 above. Registered surveyors signed plat attached.
2. ELEVATION -- See #21 above.
3. SURFACE GEOLOGIC FORMATION -- Tertiary
4. TYPE OF DRILLING -- Rotary
5. PROPOSED DEPTH -- Base of Gallup which is approximately 5200'.
6. ESTIMATED TOPS -- Kirkland 1000, Pictured Cliffs 1400', Chacra 1800', Cliff House 3000', Point Lookout 3800', Mancos 3950', Gallup 4900'.
7. MINERAL BEARING -- It is anticipated water will be encountered from 100' below the surface to the base of the Ojo Alama at about 850'. It is our anticipation oil and or gas will be found in the Chacra and Gallup. Other formation tops listed in 6 above will probably carry water.

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 blow out prevention program, if any.

24.

SIGNED *Harry R. Bugh*

TITLE President

DATE 5-22-78

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*Okaf*

RECEIVED

MAY 24 1978

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

NM-6682

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

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

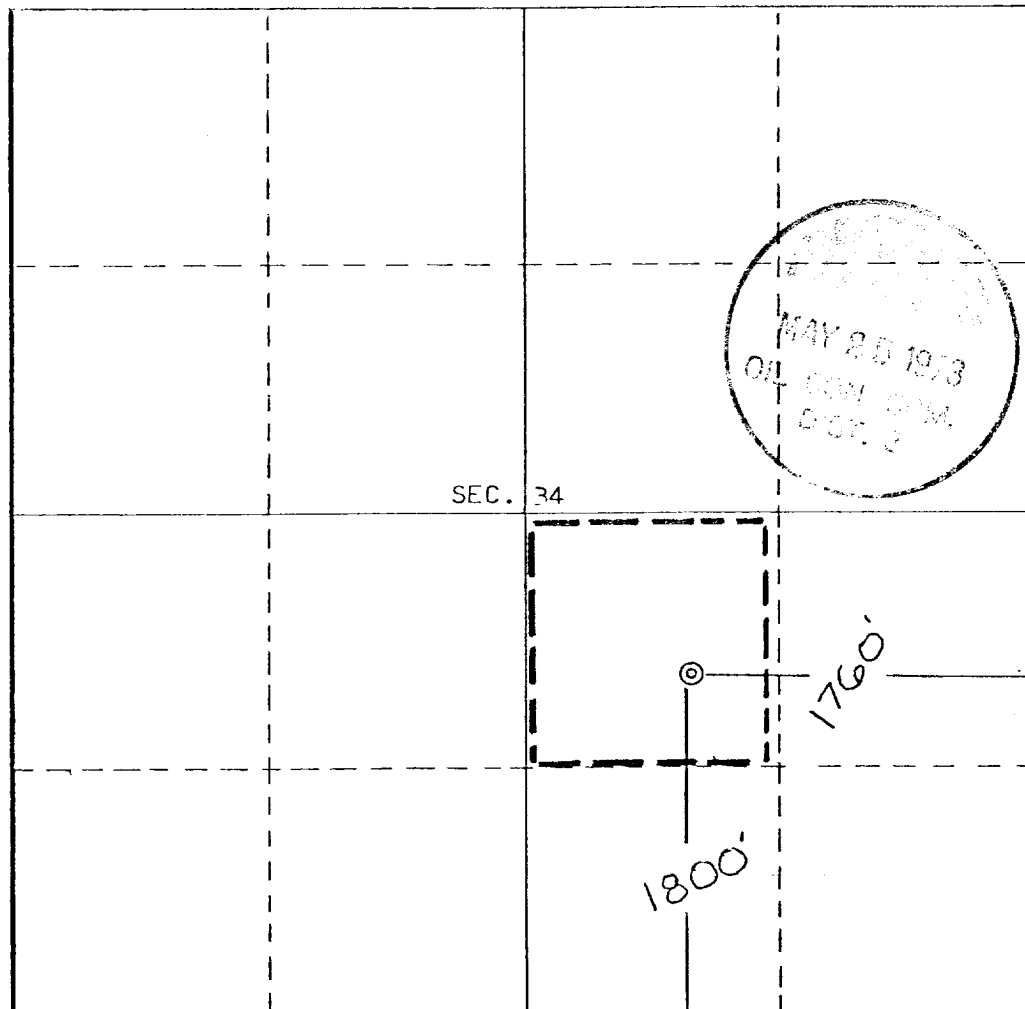
|                                   |                               |                              |                                                                 |                    |
|-----------------------------------|-------------------------------|------------------------------|-----------------------------------------------------------------|--------------------|
| Operator<br>BCO, Inc.             |                               | Lease<br>Federal B           |                                                                 | Well No.<br>3      |
| Unit Letter<br>J                  | Section<br>34                 | Township<br>23 North         | Range<br>7 West                                                 | County<br>Sandoval |
| Actual Footage Location of Well:  |                               |                              |                                                                 |                    |
| 1800 feet from the South line and |                               | 1760 feet from the East line |                                                                 |                    |
| Ground Level Elev.<br>6965        | Producing Formation<br>Gallup | Pool<br>Undesignated         | Dedicated Acreage: <input checked="" type="checkbox"/> 40 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 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

5-18-78

REGISTERED LAND SURVEYOR  
STATE OF NEW MEXICO  
Reg. No. 3602  
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.  
E.V. ECHOHAWK

Date Surveyed

April 4, 1978

Registered Professional Engineer and/or Land Surveyor

*E.V. Echhawk*  
Certificate No. 3602

E.V. Echhawk LS

