

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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
1700' FNL and 950' FWL Sec. 33 T23N R7W

6. Proposed prod. zone

7. Same

8. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
Approximately 6 miles south and 9 miles east of Nageezi, NM

9. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest city, town, etc., if any)
950'

10. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR PLUGGED FOR, ON THIS LEASE, FT.
2540

11. PROPOSED DEPTH
5200' Gallup

12. PROPOSED CEMENT AND CEMENTING PROGRAM

13. PROPOSED CEMENT AND CEMENTING PROGRAM

14. PROPOSED CEMENT AND CEMENTING PROGRAM

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41. PROPOSED CEMENT AND CEMENTING PROGRAM

42. PROPOSED CEMENT AND CEMENTING PROGRAM

30-043-2033

5. LEASE DESIGNATION AND SERIAL NO.

NM-16586

6. H. INDIAN, ALIQUOT OF TRACT NAME

7. UNIT AGREEMENT NAME

8. FIRM OR LEASE NAME

Federal I

9. WELL NO.

4

10. FIELD AND TOOL, OR WHIPCAT

Undesignated Gallup

11. EXC. T., R., M., OR B.L. AND SURVEY OR AREA

Sec. 33 T23N R7W

12. COUNTY OR TOWNSHIP

Sandoval NM

13. NO. OF ACRES ASSIGNED TO THIS WELL

40

14. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START

7-1-78

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 flow-out program, if any.

24.

SIGNED Harry R. Byrd 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:

Chas

RECEIVED

MAY 24 1978

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

NEW 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.

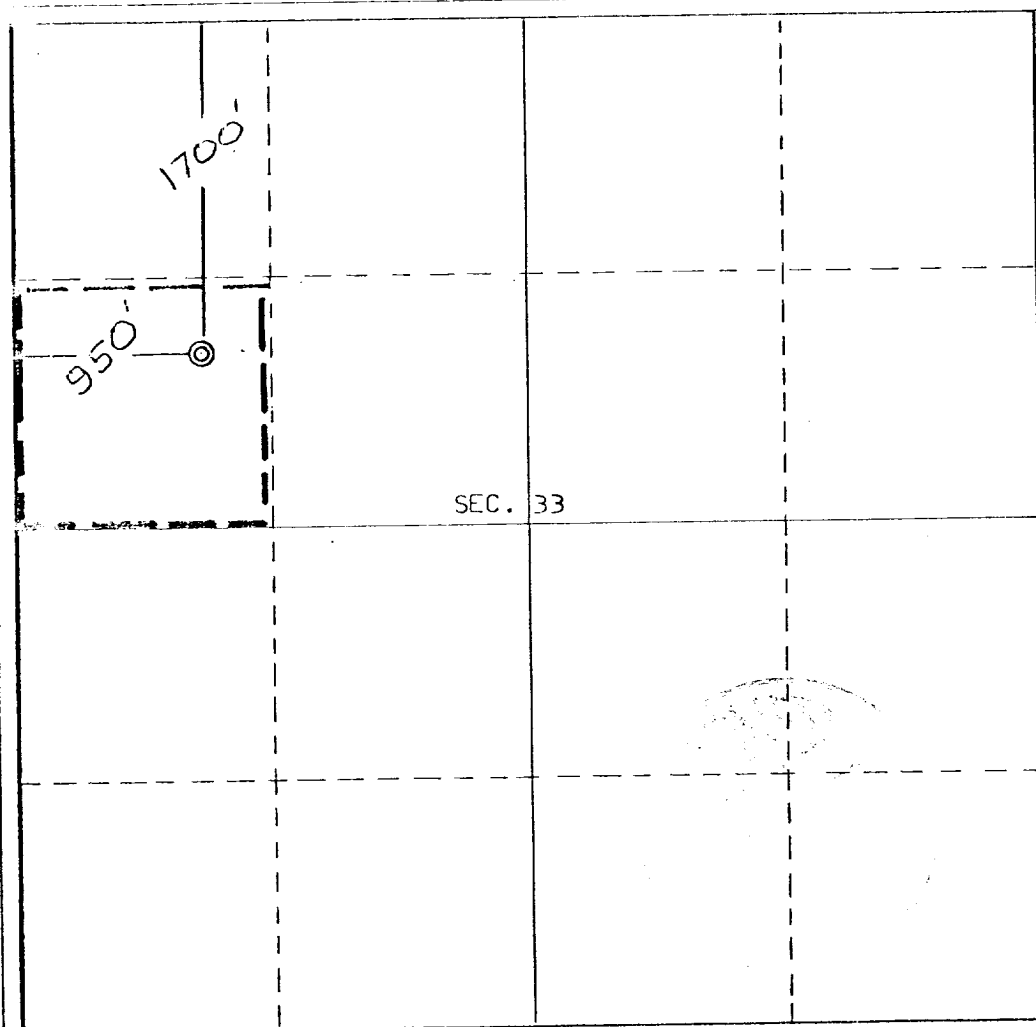
Operator BCO, Inc.		Lease Federal I		Well No. 4
Unit Letter E	Section 33	Township 23 North	Range 7 West	County Sandoval
Actual Footage Location of Well: 1700 feet from the North line and 950 feet from the West line				
Ground Level Elev. 6856	Producing Formation Gallup	Pool Undesignated	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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, 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

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

Date Surveyed

April 4, 1978

Registered Professional Engineer
and/or Land Surveyor

E. V. Echohawk
Certificate No. 3602

E. V. Echohawk LS

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

R7W

EXHIBIT #1

R7W

BCO, INC.
B#2 through B#6 NM-6682
I#1 through I#4 NM-16586

I#4
NM-16586

