

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 ☐

2. NAME OF OPERATOR
BCO, INC.

3. ADDRESS OF OPERATOR
135 Grant, Santa Fe, New Mexico 87501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
990' FNL 2240' FEL Sec. 3 T23N R7W
At proposed prod. zone
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
Approximately 1-1/2 miles north of Lybrook, N.M.

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any)
400'

16. NO. OF ACRES IN LEASE
1086 more or less

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT.
1600' - crow fly to BCO Dunn #10 well
to be drilled in 1982.

19. PROPOSED DEPTH
6500' Lower Graneros

20. ROTARY OR CABLE TOOL
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 6922

22. APPROX. DATE WORK WILL START
5-1-82

30-039-22935

5. LEASE DESIGNATION AND SERIAL NO.
SF-078272

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Dunn

9. WELL NO.
9

10. FIELD AND POOL, OR WILDCAT
Lybrook Gallup & ;
Undesignated Graneros

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 3 T23N R7W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
N.M.

23. 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#	290' KB	175 sacks Class B 3% CaCl
7-7/8"	4-1/2" New	11.6 # N-80	6500'	1350 sacks See NTL-6 Item 9

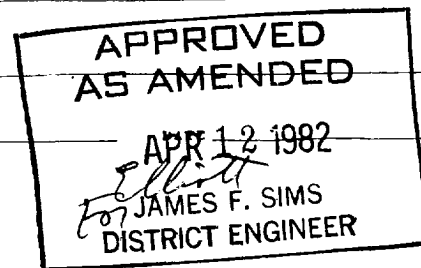
As required by NTL-6 the following information is provided:

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 -- Below Lower Graneros but before 1st Dakota - approx. 6500'
6. ESTIMATED TOPS -- Pictured Cliffs 2100, Chacra 2550, Cliff House 3600, Point Lookout 4350, Gallup 5450, Greenhorn 6300, Graneros 6350.
7. MINERAL BEARING -- It is anticipated water will be encountered from 100' below the surface to the base of the Ojo Alamo at about 1530'. It is our anticipation oil and/or gas will be found in the Chacra, Gallup, Greenhorn and Dakota. Other formation tops listed in 6 above will probably carry water. Operator intends to commingle the Gallup, Greenhorn and Graneros formations. A request to commingle these zones was heard by the NMOCC on 3-16-82. A copy of the order approving commingling will be filed with a sundry notice prior to commencing drilling operations on this 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 Harry R. Boyle TITLE President DATE 3/23/82
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:



NMOCC

*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

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

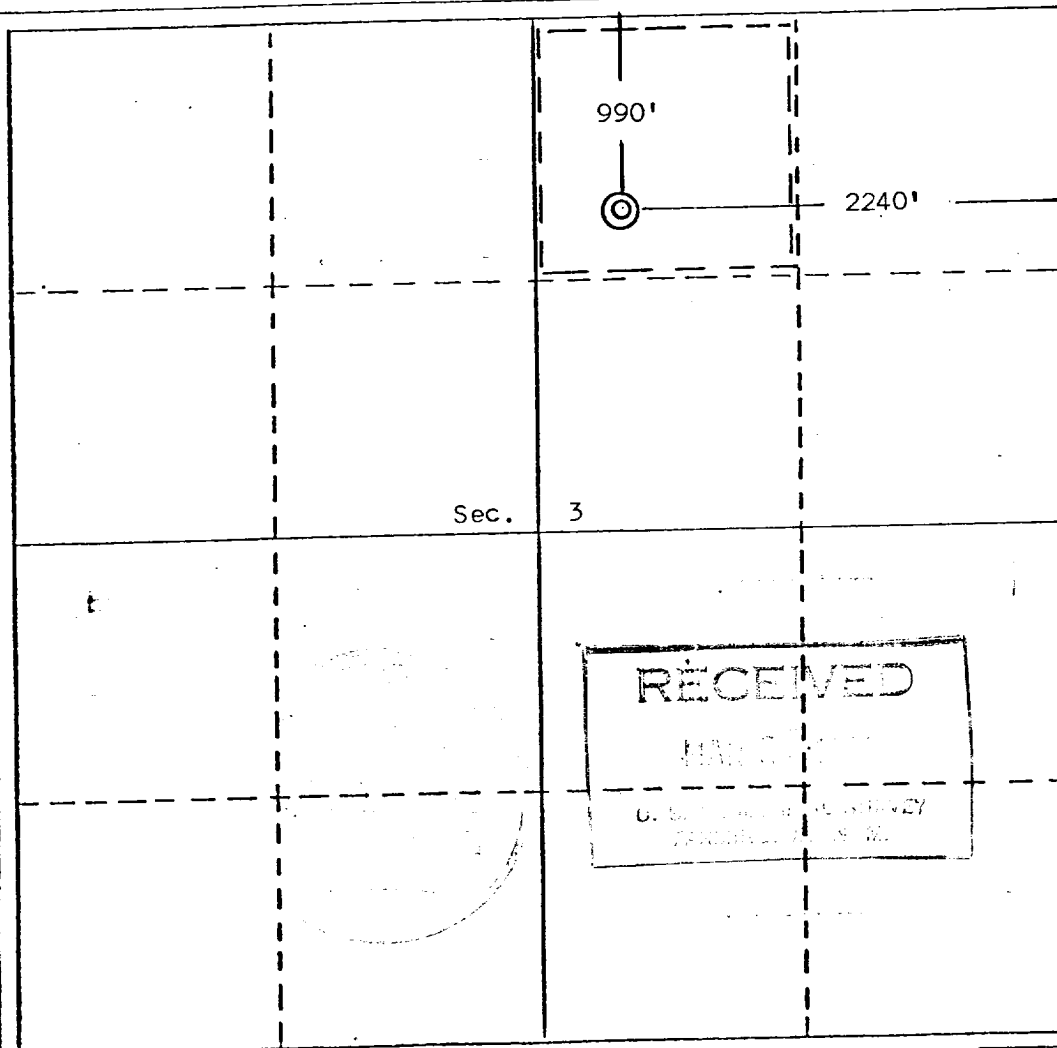
Operator BCO Inc.		Lease Dunn		Well No. 9	
Unit Letter B	Section 3	Township 23 North	Range 7 West	County Rio Arriba	
Actual Footage Location of Well: 990 feet from the North line and 2240 feet from the East line					
Ground Level Elev. 6922	Producing Formation Gallup, Greenhorn & Graneros		Pool Lybrook Gallup (includes Greenhorn) & Undesignated Graneros		Dedicated Acreage: 40 Acres

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



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
3-23-82

EDGAR L. RISENHOVER
NEW MEXICO
5979
I hereby certify that the well location shown on this plat was obtained 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.

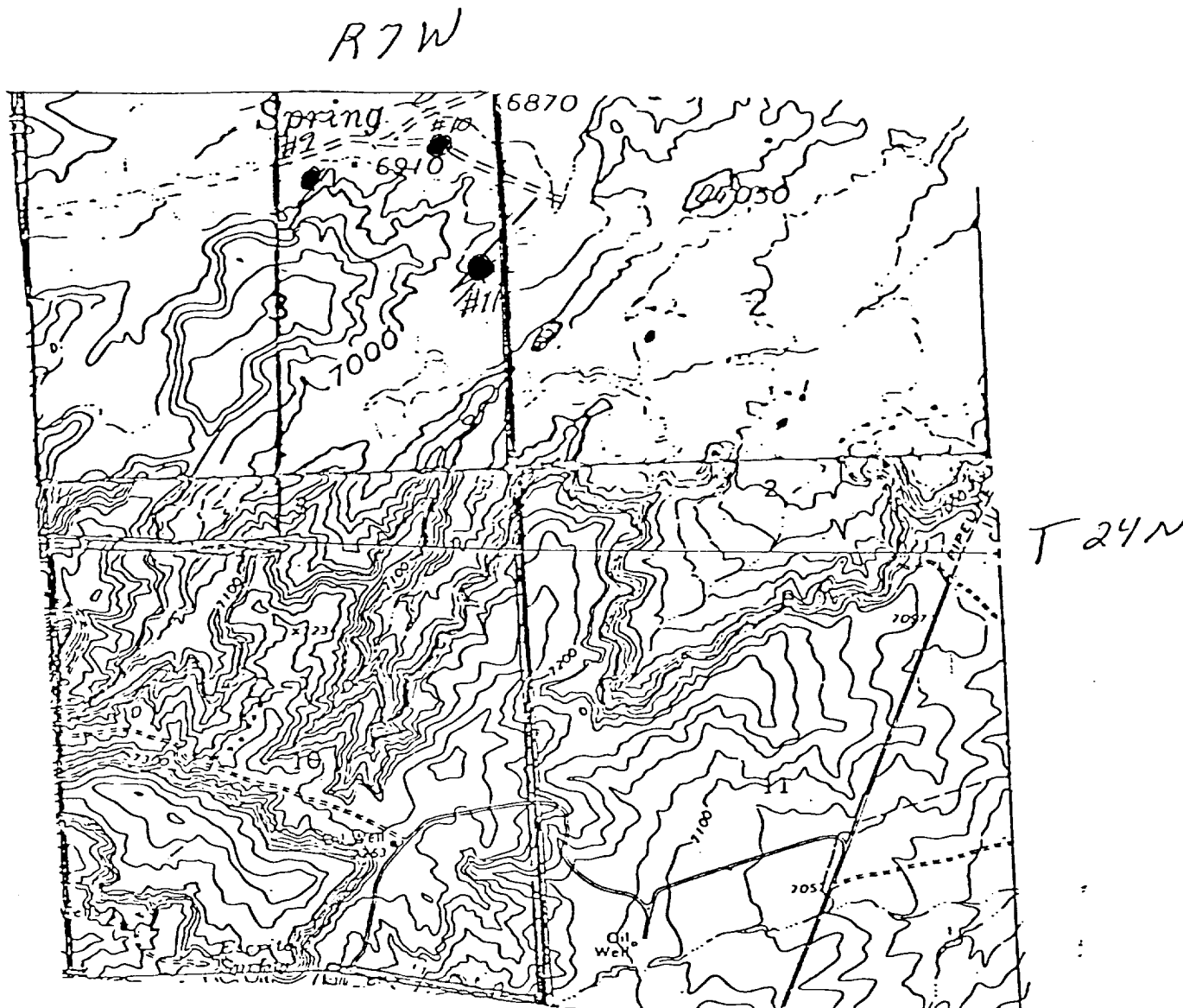
Date Surveyed
December 23, 1981

Registered Professional Engineer
and/or Land Surveyor

Edgar L. Risenhoover
Certificate No. 5979

Edgar L. Risenhoover, L.S.

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600



Proposed Locations

Note: This well is part of a three well development program in the NE/4 of Sec. 3 T24N R7W all of which are on Federal Lease #SF-078272. All of the proposed locations are shown above.