

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

30-043-20884  
5. LEASE DESIGNATION AND SERIAL NO.

NM-58878

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal L

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Alamito Gallup EXT

11. SEC. T. R. M. OR BLK.  
AND SURVEY OR AREAG  
Sec. 28, T 23N, R 7W, NMPM

12. COUNTY OR PARISH

Sandoval

13. STATE

NM

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

approx. 2 1/2 miles SW of Lybrook, NM

15. DISTANCE FROM PROPOSED\*

TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

525'

16. NO. OF ACRES IN LEASE

400 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.

2945' from

Federal L #1

19. PROPOSED DEPTH

5422'

20. ROTARY OR CABLE TOOLS

Rotary

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

6995' GL

22. APPROX. DATE WORK WILL START\*

ASAP

23. PROPOSED CASING AND CEMENTING PROGRAM

This action is subject to technical and

procedural review pursuant to 43 CFR 3165.4

and appeal pursuant to 43 CFR 3165.4.

190 cf circ. to surface

2165 cf circ. to surface

SIZE OF HOLE

SIZE OF CASING

WEIGHT PER FOOT

SETTING DEPTH

12-1/4"

8-5/8"

23#

200'

7-7/8"

4-1/2"

11.6#

5422'

Plan to drill a 12-1/4" hole and set 200' of 8-5/8" OD, 23#, new surface casing; then plan to drill a 7-7/8" hole to total depth with gel-water-mud program to test Gallup formation. Plan to run IES and CDL logs. If determined productive, will run 4-1/2", 11.6#, new J-55 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  
Elizabeth B. Keeshan

TITLE

Vice President

DATE

May 6, 1988

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

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

Operator BCO, Inc.		Lease Federal <u>L</u>		Well No. <u>2</u>
Unit Letter G	Section 28	Township 23 North	Range 7 West	County Sandoval
Actual Footage Location of Well: 1845 feet from the North line and 1720 feet from the East line				
Ground Level Elev. 6995	Producing Formation Gallup	Pool Alamito Gallup <u>EXT</u>	Dedicated Acreage: 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 Division.

RECEIVED BIM MAIL ROOM 88 MAY -6 PM 2:48 FARMINGTON RESOURCE AREA FARMINGTON, NEW MEXICO	SECTION 28	
	BCO, Inc. NM-58878	
1845'		
1720'		
RECEIVED MAY 18 1988 OIL CON. DIV. DIST. 3		

CERTIFICATION

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

Elizabeth B. Keeshan

Name  
Elizabeth B. Keeshan

Position  
Vice-President

Company  
BCO, Inc.

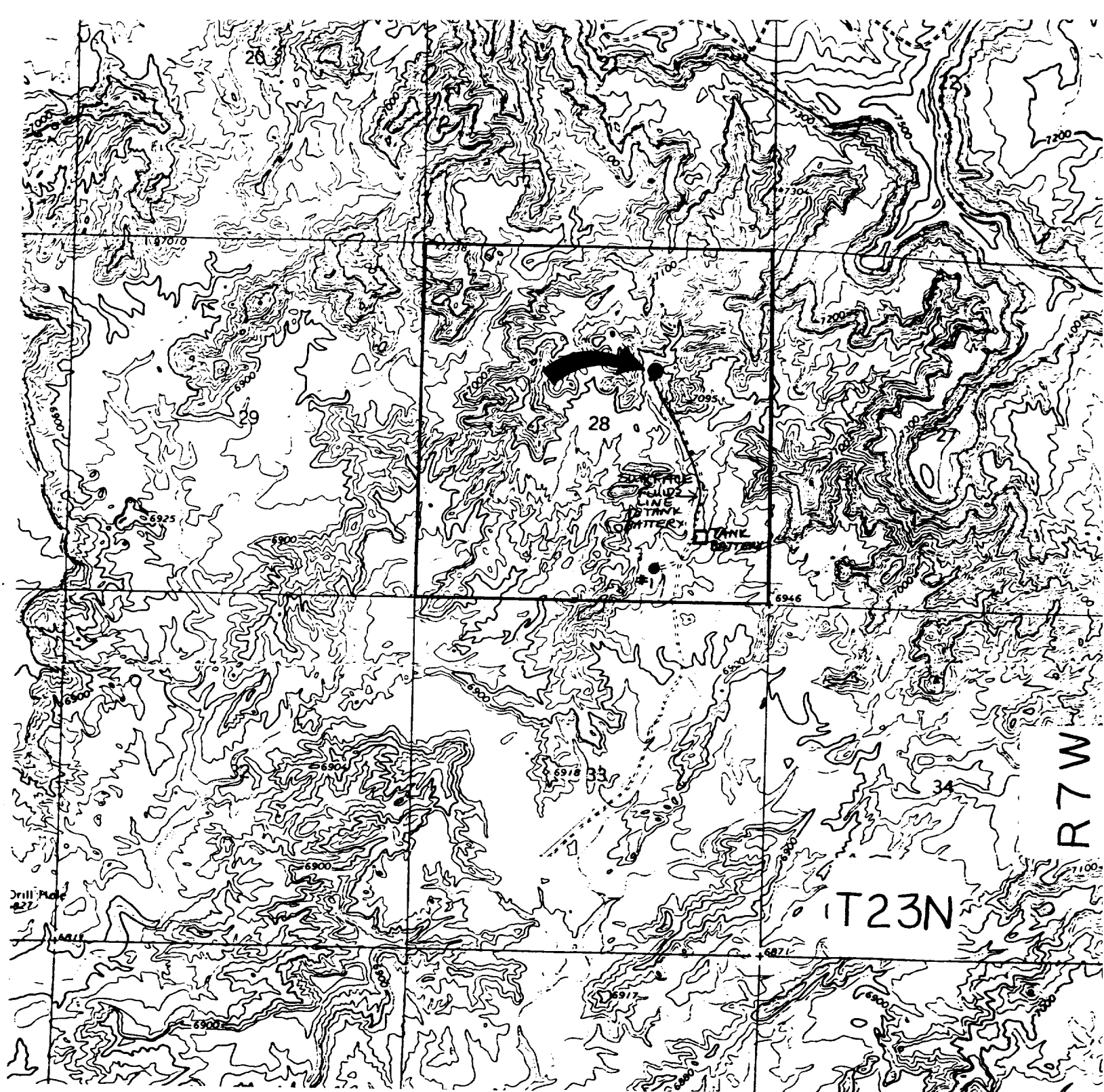
Date  
May 6, 1988

ENGAR L. RISENHOOVER  
NEW MEXICO  
5979  
I have examined this plat and find it correct to the best of my knowledge and belief.

Date Surveyed  
April 4, 1988

Registered Professional Engineer  
and/or Land Surveyor

Engar L. Risenhoover  
Certificate No. 5979



BCO, Inc. - Federal L #2  
Existing Roads

Exhibit E

Vicinity of nearest town or reference pt.  
See Exhibit V, Vicinity Map

Type of surface dirt

Conditions good

Other \_\_\_\_\_

Reference map: USGS map Lybrook, NM

7.5 min., 1966

BCO, Inc. - Federal L #2  
Planned Access Road(s)


Exhibit E


Width 25' Maximum grades 3%


Drainage design as required


Cuts & Fills see diagram


Surfacing material none

 Turnouts

 Culverts

 Gates

 Cattleguards

 Fence cuts

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