

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>				5. LEASE DESIGNATION AND SERIAL NO. NM-6681	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR BCO, Inc.				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 135 Grant, Santa Fe, NM 87501				8. FARM OR LEASE NAME Federal C	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 400' FSL & 2240' FWL At proposed prod. zone				9. WELL NO. 3	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* approx. 4 miles SW of Lybrook, NM				10. FIELD AND POOL, OR WILDCAT Alamito Gallup	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 400'				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA N Sec. 31, T23N, R7W, NMPM	
16. NO. OF ACRES IN LEASE 640 more or less				12. COUNTY OR PARISH Sandoval	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40				13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2394' from Federal C #1				20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6830' GL				22. APPROX. DATE WORK WILL START* ASAP	
23. DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS" PROPOSED CASING AND CEMENTING PROGRAM				This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and applicable to 43 CFR 3105.4.	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		
12-1/4"	8-5/8"	23#	200'	190 cf circ. to surface	
7-7/8"	4-1/2"	11.6#	5098'	2165 cf circ. to surface	

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.

SIGNED

Elizabeth B. Keeshan
Elizabeth B. Keeshan

TITLE

Vice President

DATE

5-6-88

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

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 Federal C		Well No. 3
Unit Letter N	Section 31	Township 23 North	Range 7 West	County Sandoval
Actual Footage Location of Well: 400 feet from the South line and 2240 feet from the West line				
Ground Level Elev. 6830	Producing Formation Gallup	Pool Alamito Gallup	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 OIL MIN. ROOM 88 MAY -6 PM 2:47 FARMINGTON REGISTRATION AREA FARMINGTON, NEW MEXICO	SECTION 31
	BCO, Inc. NM-6681
2240'	400'

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

5-6-88

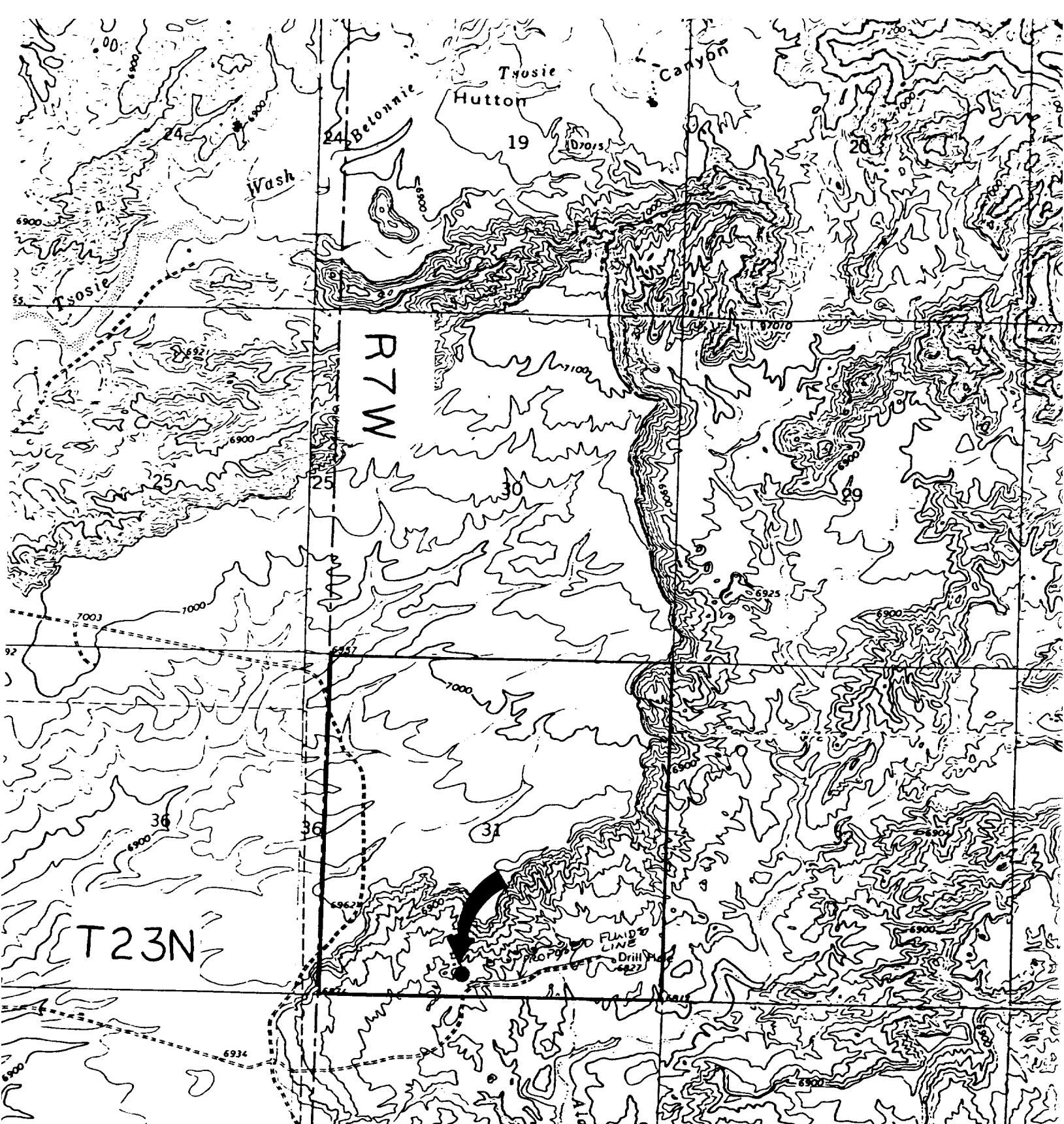
EDGAR L. RISENHOOVER
NEW MEXICO
I hereby certify that the location shown on this plat is the location of the well as shown on the actual surveys made by me or under my supervision, and that the same is true to the best of my knowledge and belief.

Date Surveyed

April 4, 1988

Registered Professional Engineer
and/or Land Surveyor

Edgar L. Risenhoover



Existing Roads

BCO, Inc. - Federal C #3

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

Type of surface dirt

Conditions good

Other

Reference map: USGS map Lybrook, New Mex.

Exhibit E

Planned Access Road(s)

Exhibit E

Width _____ Maximum grades _____

Drainage design _____

Cuts & Fills _____

Surfacing material _____

Turnouts

Culverts

Gates

Cattleguards

Fence cuts

NO ACCESS ROAD
REQUIRED