

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells) ✓

30-039-25349

5. Indicate Type of Lease

STATE ☒ PER ☐

6. State Oil & Gas Lease No.  
V-2258.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒ RE-ENTER ☐ DEEPEN ☐ PLUG BACK ☐

b. Type of Well:

OIL WELL ☒ GAS WELL ☐ OTHER ☐

SINGLE ZONE ☒ MULTIPLE ZONE ☐

7. Lease Name or Unit Agreement Name

STATE "J" 1910

8. Well No.

7. 160

9. Pool name or Wildcat

LYBROOK GALLUP JT w/ #1

2. Name of Operator

BCO, INC. 1883

3. Address of Operator

135 GRANT, SANTA FE, NM 87501. 42283

4. Well Location

Unit Letter G : 2230 Feet From The NORTH Line and 2265 Feet From The EAST Line  
Section 16 Township 23N Range 7W NMPM RIO ARRIBA County

10. Proposed Depth  
5800'

11. Formation  
GALLUP

12. Rotary or C.T.  
ROTARY

13. Elevations (Show whether DF, RT, GR, etc.)

7255' GR

14. Kind & Status Plug Bond

50,000 BLANKET PLUGGING  
BOND ON FILE W/OCD

15. Drilling Contractor

WALTERS DRILLING

16. Approx. Date Work will start

JANUARY 1, 1994

17.

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | BACKS OF CEMENT | EST. TOP SURFACE |
|--------------|----------------|-----------------|---------------|-----------------|------------------|
| 12.250"      | 8.625"         | 24# J55.        | 360'          | 275.            | SURFACE.         |
| 7.875"       | 4.500"         | 11.6# J55.      | 5800'         | 1550.           | SURFACE.         |

Plan to drill a 12.250" hole and set 360' of 8.625" casing. Thence drill a 7 7/8" hole to total depth with gel-water mud program to test Gallup formation. Plan to run dual induction and density log. If productive, will set 4 1/2" casing and cement. Cement volumes will be adjusted after logging to ensure that cement is circulated.

Well will be perforated, fracture stimulated and placed on production following the drilling process.

This Approval  
Expires 12-14-94  
And Will Not Be  
Extended

RECEIVED

DEC 13 1993

OIL CON. DIV.  
DIST. 3

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE

Rick Wilcox

TITLE

Senior Field Engineer

DATE

12-13-93

TYPE OR PRINT NAME

Rick Wilcox

TELEPHONE NO. 568-4420

(This space for State Use)

APPROVED BY

Ernie Busch

TITLE

ORIGINAL SIGNED BY ERNIE BUSCH

DATE

12-14-93  
DEC 14 1993

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

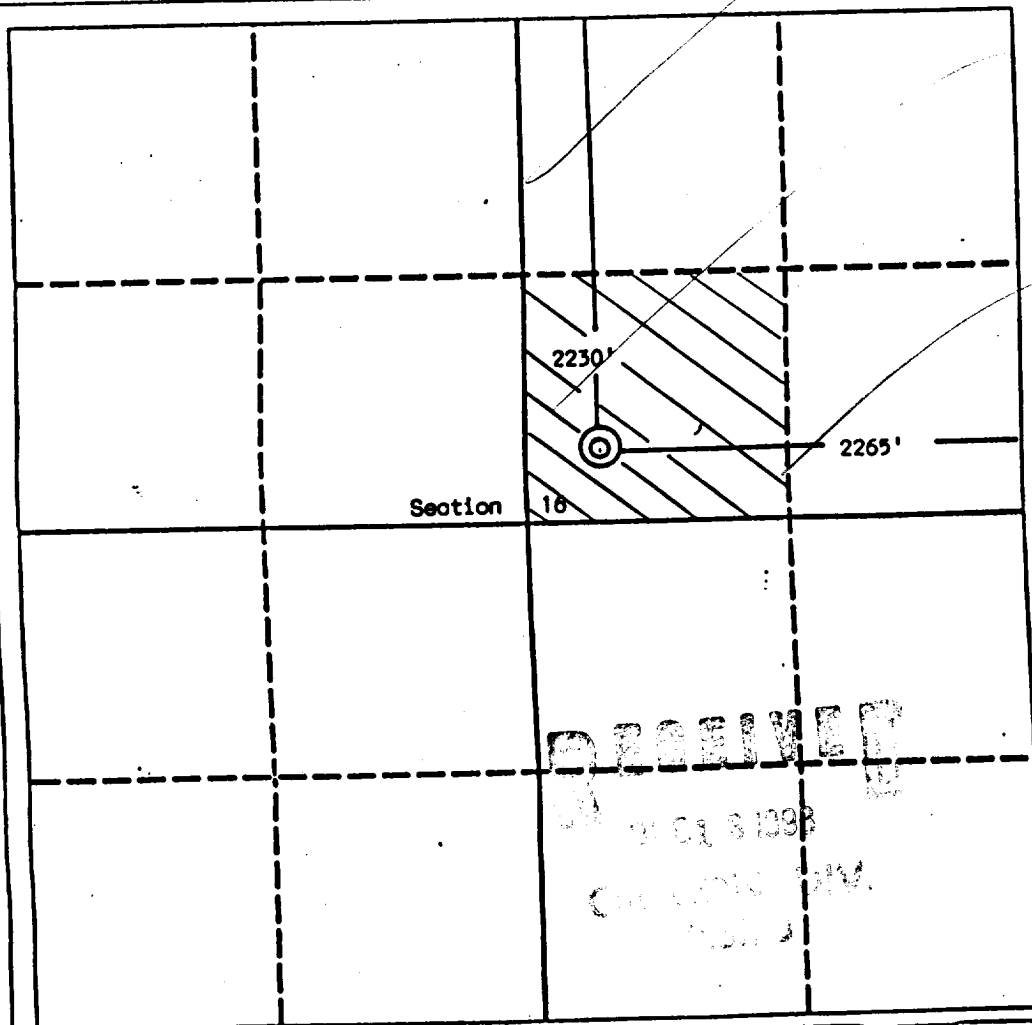
DISTRICT I  
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WELL LOCATION AND ACREAGE DEDICATION PLAT  
All Distances must be from the outer boundaries of the section

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |                        |                                    |                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------|------------------------------------|----------------------|
| Operator<br>BCO, Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                               | Lease<br>State J       |                                    | Well No.<br>7        |
| Unit Letter<br>G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Section<br>16                 | Township<br>23 North   | Range<br>7 West<br>NMPM            | County<br>Rio Arriba |
| Actual Footage Location of Well:<br>2230 feet from the North line and 2265 feet from the East line                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |                        |                                    |                      |
| Ground level Elev.<br>7255' Est.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Producing Formation<br>Gallup | Pool<br>Lybrook Gallup | Dedicated Acreage:<br>40/100 Acres |                      |
| <p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>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).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?<br/><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)</p> <p>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 interest, has been approved by the Division.</p> |                               |                        |                                    |                      |



OPERATOR CERTIFICATION

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

Signature  
Rick Wilcox  
Printed Name  
Rick Wilcox  
Position  
Senior Field Engineer  
Company  
BCO, INC.  
Date  
12/09/93

SURVEYOR CERTIFICATION

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.

Date Surveyed  
November 30, 1993

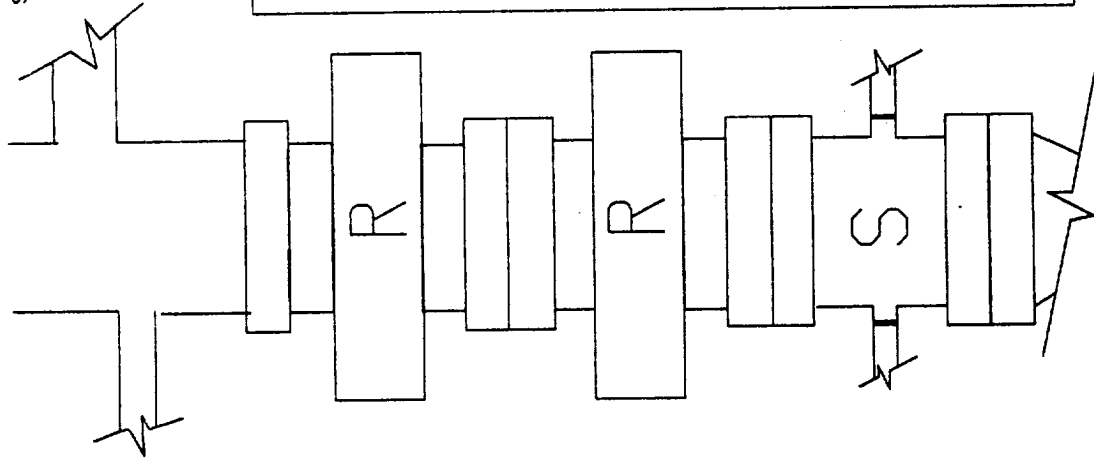
Signature & Seal of Professional Surveyor  
Edgar L. Risenhoover  
Certificate No. 5979  
Edgar L. Risenhoover, P.S.

# BCO, INC.

## 2M BOP ARRANGEMENT SRR

R-SINGLE RAM TYPE PREVENTOR WITH ONE SET OF RAMS, EITHER BLANK OR FOR PIPE

S-DRILLING SPOOL WITH SIDE OUTLET CONNECTIONS FOR CHOKE AND KILL LINES



## CHOKE MANIFOLD ASSEMBLY FOR 2M RATED WORKING PRESSURE-SURFACE INSTALLATION

