

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)

30-025-31689

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

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

Cave Estate 27

2. Name of Operator

Columbia Gas Development Corporation

8. Well No.

27-1

3. Address of Operator

P. O. Box 1350, Houston, TX 77251-1350

9. Pool name or Wildcat

Wildcat

4. Well Location  
Unit Letter

K

2392

Feet From The

South

Line and

2392

Feet From The

West

Line

Section

27

Township

14S

Range

38E

NMPM

Lea

County

10. Proposed Depth

9800'

11. Formation

U. Wolfcamp

12. Rotary or C.T.

Rotary

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

3758' Gr.

14. Kind & Status Plug. Bond

Blanket

15. Drilling Contractor

Undetermined

16. Approx. Date Work will start

8/28/92

17. PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
| 17-1/2       | 13-3/8         | 48              | 500'          | 530             | Surface  |
| 12-1/4       | 8-5/8          | 24 & 32         | 4500'         | 2050            | Surface  |
| 7-7/8        | 5-1/2          | 17              | 9800'         | 900             | 8500'    |

Drilling Program:

- 1) Set 20" conductor @ 40'
- 2) Drlg 17-1/2" hole to 500'. Run & cmt 13-3/8" to surface w/530 sx.
- 3) Drlg 12-1/4" hole to 4500'; Run & cmt 8-5/8" to surface w/2050 sx.
- 4) Drlg 7-7/8" hole to 9800'. Log. If productive, run & cmt 5-1/2" production casing.

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

Wendy G. DesOrmeaux

TITLE

Regulatory Coordinator

DATE

8/17/92

TYPE OR PRINT NAME

Wendy G. DesOrmeaux

713/

TELEPHONE NO. 871-3482

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON  
DISTRICT I SUPERVISOR

AUG 19 '92

APPROVED BY

TITLE

DATE

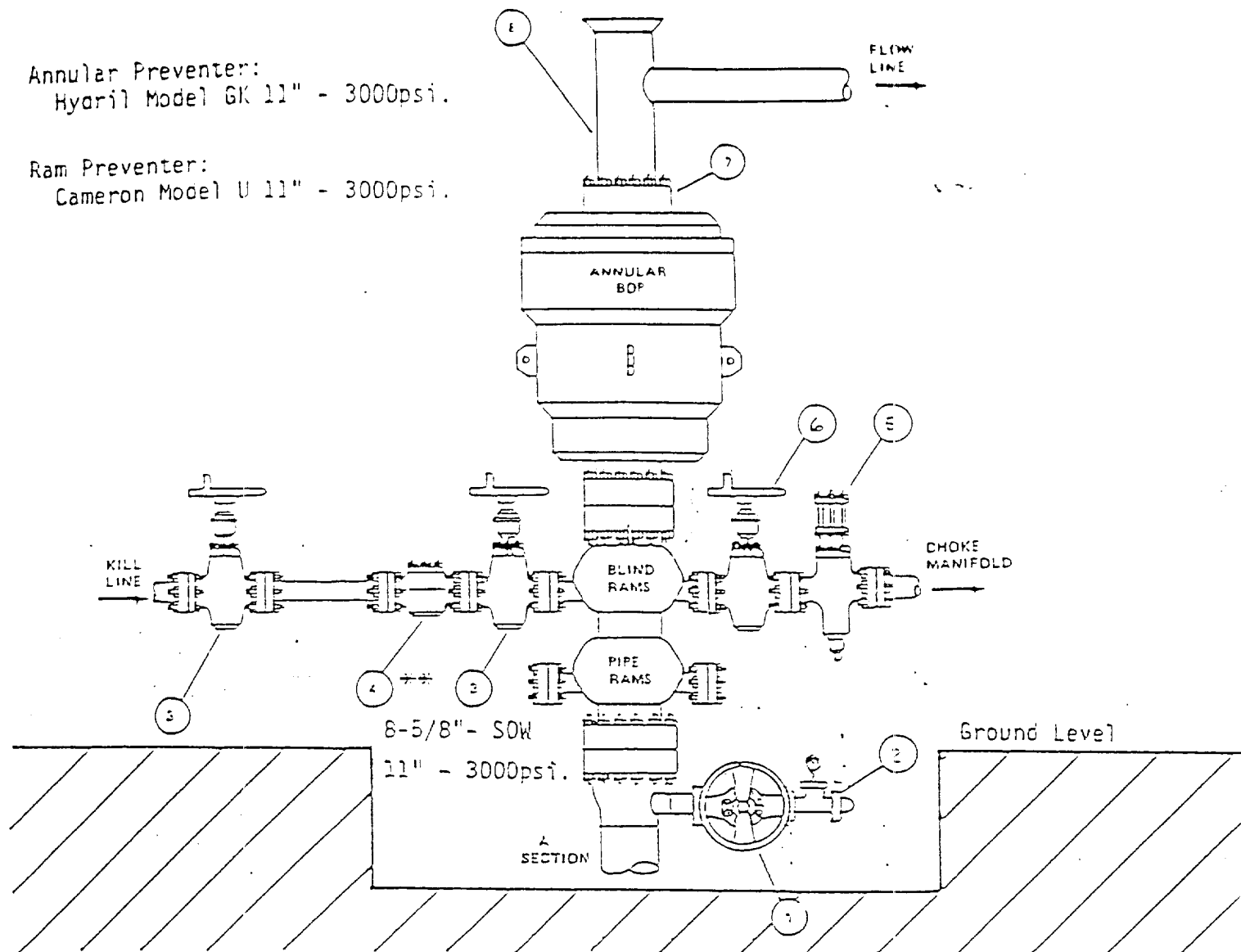
CONDITIONS OF APPROVAL, IF ANY:

752-3146

Permit Expires 6 Months From Approval  
Date Unless Drilling Underway.

Annular Preventer:  
Hyril Model GK 11" - 3000psi.

Ram Preventer:  
Cameron Model U 11" - 3000psi.



1. Screwed or flanged plug or gate valves — 2" minimum nominal dia. — same working pressure as "A" section.
2. Tee with tapped bullplug, needle valve, and pressure gauge.
3. Flanged plug or gate valve — 2" minimum nominal dia. — same working pressure as BOP stack.
4. Flanged flapper type check valve — 2" minimum nominal dia. — same working pressure as BOP stack.
5. Flanged hydraulically controlled gate valve — 3" minimum nominal dia. — same working pressure as BOP stack.
6. Flanged plug or gate valve — 3" minimum nominal dia. — same working pressure as BOP stack.
7. Top of annular preventer must be equipped with an API flange ring gasket. All flange studs must be in place or holes filled in with screw type plugs.
8. The I.D. of the bell nipple must not be less than the minimum I.D. of the BOP stack.

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Revised 1-1-89

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1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

|                                            |               |                       |                           |               |                                |
|--------------------------------------------|---------------|-----------------------|---------------------------|---------------|--------------------------------|
| Operator<br>COLUMBIA GAS DEVELOPMENT CORP. |               |                       | Lease<br>CAVE ESTATE '27' |               | Well No.<br># <del>27</del> -1 |
| Unit Letter<br>K                           | Section<br>27 | Township<br>14- SOUTH | Range<br>38- EAST         | County<br>LEA |                                |

|                                                                                                    |                                 |  |                 |                                |  |
|----------------------------------------------------------------------------------------------------|---------------------------------|--|-----------------|--------------------------------|--|
| Actual Footage Location of Well:<br>2392 feet from the SOUTH line and 2392 feet from the WEST line |                                 |  |                 |                                |  |
| Ground level Elev.<br>3758'                                                                        | Producing Formation<br>Wolfcamp |  | Pool<br>Wildcat | Dedicated Acreage:<br>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).

na

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.? na

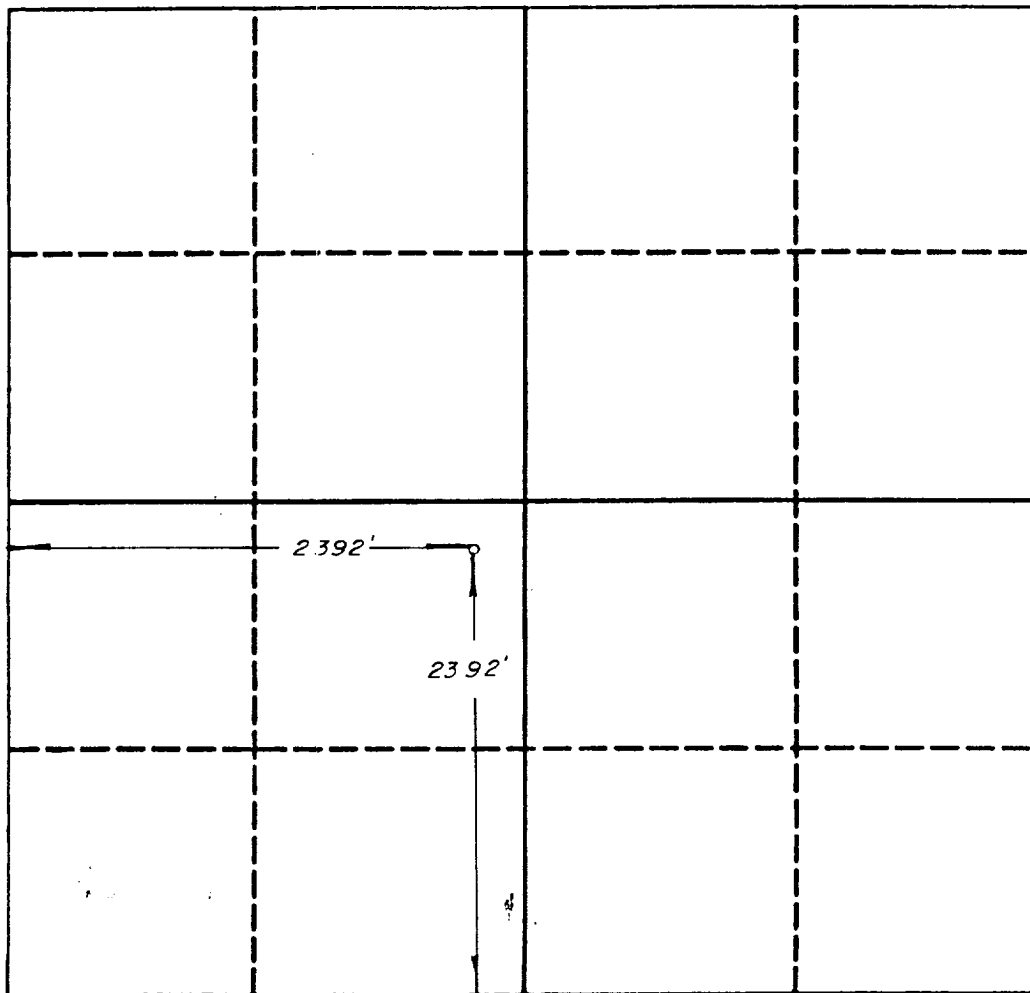
☐ Yes

☐ 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature *Wendy DesOrmeaux*

Printed Name Wendy DesOrmeaux

Position

Regulatory Coordinator

Company

Columbia Gas Development

Date

July 28, 1992

Date

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.

JULY 22, 1992

Date Surveyed

Signature & Seal of Professional Surveyor

Signature *Paul B. Presner*

Certificate No.

4882

7622-018204

EE

AUG 21 1964

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