

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

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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)

30-059-2030D

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 CO2

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

7. Lease Name or Unit Agreement Name

Bravo Dome Carbon Dioxide Gas Unit - 2233

2. Name of Operator

Amoco Production Company

8. Well No.

331G

3. Address of operator

P.O. Box 606 Clayton N. Mex. 88415

9. Pool name or Wildcat

Tubb

4. Well Location

Unit Letter G : 1999 Feet From The East Line and 2012 Feet From The North Line

Section 33 Township T 22 N Range R 33 E NMPM Union County

10. Proposed Depth

2303

11. Formation

Tubb

12. Rotary or C.T.

Rotary

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

4768

14. Kind & Status Plug. Bond

Blanket On File

15. Drilling Contractor

N/A

16. Approx. Date Work well start

06-15-93

17.

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING    | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT      | EST. TOP |
|--------------|-------------------|-----------------|---------------|----------------------|----------|
| 12 1/4"      | 8 5/8" Steel      | 24#             | 700'          | Circulate to Surface | Surface  |
| 7 7/8"       | 4 1/2" Fiberglass | 2000# psi       | 2118'         | Circulate to Surface | Surface  |
|              |                   |                 |               |                      |          |

Propose to Drill & Equip well in the Tubb formation. To reach total depth, a 3 7/8" open hole will be air drilled approximately 185' below 4 1/2" casing.

Mud Program: 0-700' gel-Spud Mud  
700-2200' Starch/Gel  
2200-2325 Air

BOP Program Attached

APPROVAL VALID FOR \_\_\_\_\_ DAYS  
PERMIT EXPIRES 12-31-93  
UNLESS DRILLING UNDERWAY.

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

Joy Filkins

TITLE

Administrative Secretary

DATE

5-6-93

TYPE OR PRINT NAME

Joy Filkins

TELEPHONE NO. (713) 556-3613

(This space for State Use)

APPROVED BY

[Signature]

TITLE

DISTRICT SUPERVISOR

DATE

5-14-93

CONDITIONS OF APPROVAL, IF ANY

# OIL CONSERVATION DIVISION

P.O. Box 2000

Santa Fe, New Mexico 87504-2000

## DISTRICT I

P.O. Box 1901, Hobbs, NM 88240

## DISTRICT II

P.O. Drawer 80, Artesia, NM 88210

## DISTRICT III

1800 Rio Rancho Rd., Artesia, NM 87410

## WELL LOCATION AND ACREAGE DEDICATION PLAT

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

|                                                                                                                                |                                    |                             |                                                    |                       |                                       |
|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------|----------------------------------------------------|-----------------------|---------------------------------------|
| Operator<br><b>AMOCO PRODUCTION COMPANY</b>                                                                                    |                                    |                             | Lease<br><b>BRAVO DOME CARBON DIOXIDE GAS UNIT</b> |                       | Well No.<br><b>1</b>                  |
| Unit Letter<br><b>G</b>                                                                                                        | Section<br><b>33</b>               | Township<br><b>22 NORTH</b> | Range<br><b>33 EAST</b>                            | County<br><b>NMCM</b> | <b>UNION</b>                          |
| Actual Footage Location of Wells<br><b>1999</b> feet from the <b>EAST</b> line and <b>2012</b> feet from the <b>NORTH</b> line |                                    |                             |                                                    |                       |                                       |
| Ground Level Elev.<br><b>4753.50'</b>                                                                                          | Producing Formation<br><b>TUBB</b> |                             | Pool<br><b>BRAVO DOME CARBON DIOXIDE GAS</b>       |                       | Dedicated Acreage<br><b>640</b> Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or ink 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 communication, unitization, forced-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 communication, unitization, forced-pooling, or otherwise, or until a non-standard unit, eliminating such interests, 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

*Joy Gillins*

Printed Name

*Joy Gillins*

Position

*Secretary*

Company

*Amoco Production*

Date

*5/6/93*

### 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

**MARCH 15, 1993**

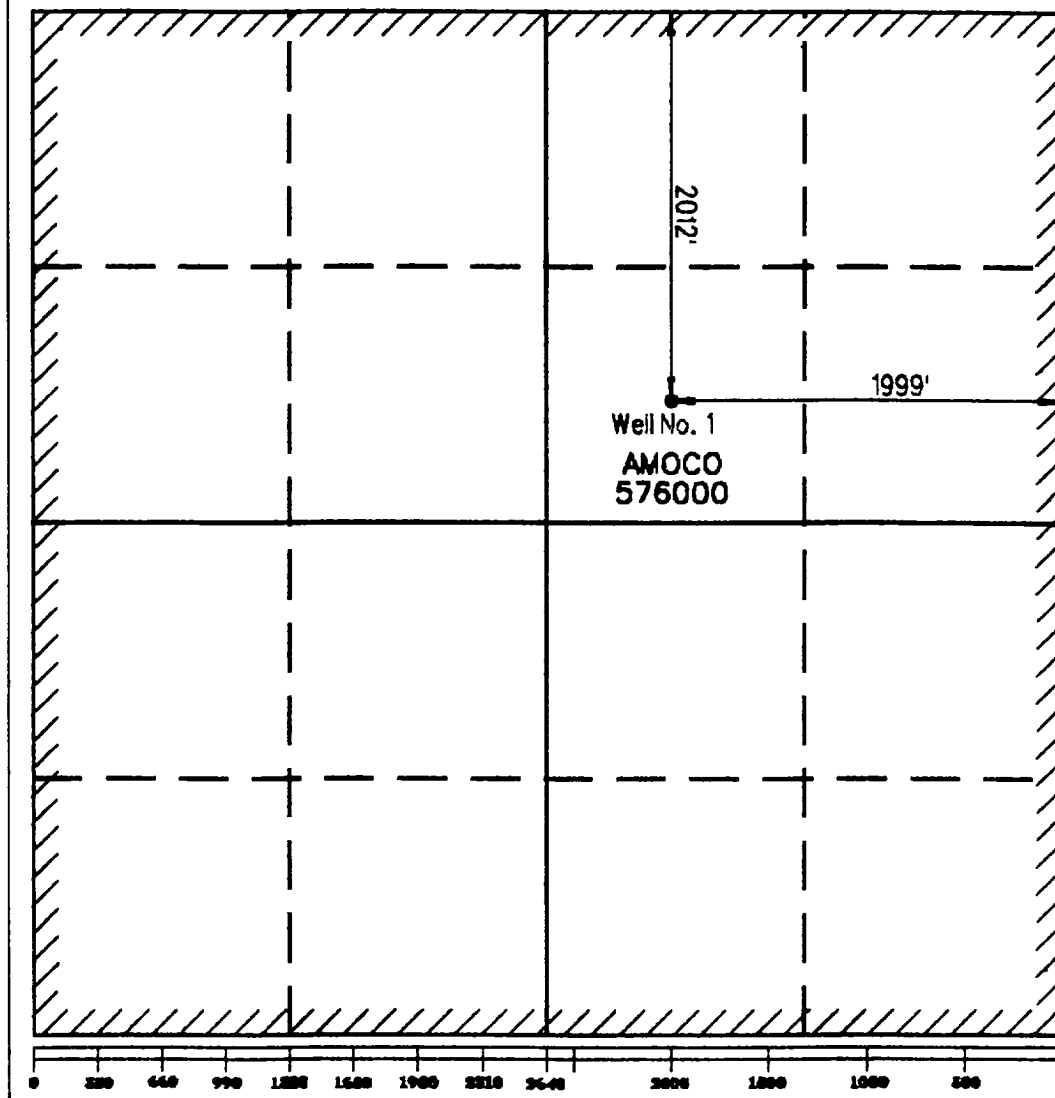
Signature & Seal of  
Professional Surveyor

*Larry A. Fisher*

**LARRY A. FISHER**

Certificate No.

**11013**

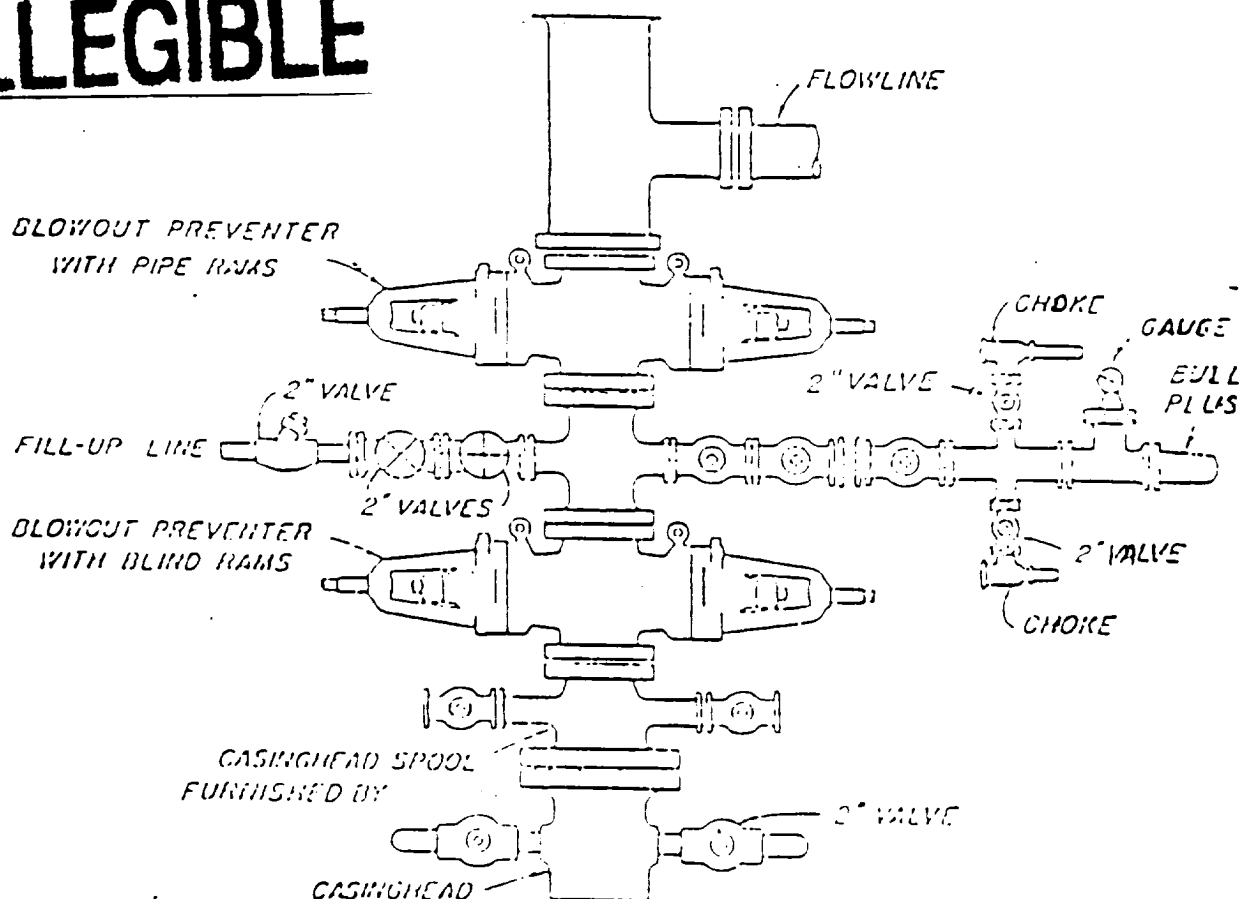


# Attachment

1. Blow-out preventers and master valve to be fluid operated and oil fittings must be in good condition, 3,000# W.P. (6,000 p.s.i. test), minimum.
2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
3. nipple above blow-out preventer shall be same size as casing being drilled through.
4. Kelly cock required, 3,000# W.P. (6,000 p.s.i. test) minimum.
5. CUSCO or comparable safety valve must be available on rig floor at all times with proper connection or sub, 3,000# W.P. (6,000 p.s.i. test), minimum.
6. Blow-out preventers and master valve while drilling intermediate hole to 6000' may be 2,000# W.P. (4,000 p.s.i. test), minimum.
7. Choke assembly, beyond second valve from cross, may be positioned (Optional) outside of derrick foundation.
8. Spool or cross may be eliminated if connections are available in the lower part of the blow-out preventer body.
9. Plug valves - gate valves are optional. Valves shown as 2" are minimum size.
10. Casing head and casing head spool, including attached valves, to be furnished by Amoco.
11. Rams in preventers will be installed as follows:
 

|                                               |                                               |
|-----------------------------------------------|-----------------------------------------------|
| When drilling, use:                           | When running casing, use:                     |
| Top Preventer - Drill pipe rams               | Top Preventer - Casing rams                   |
| Bottom Preventer - Blind rams or master valve | Bottom Preventer - Blind rams or master valve |

**ILLEGIBLE**



BLOWOUT PREVENTER HOOK-UP

Amoco Production Company

EXHIBIT D-1 MODIFIED