

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-101  
Revised 10-1-78

|                        |                                     |
|------------------------|-------------------------------------|
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| SANTA FE               |                                     |
| FILE                   | <input checked="" type="checkbox"/> |
| U.S.G.S.               |                                     |
| LAND OFFICE            |                                     |
| OPERATOR               |                                     |

|                                |                                         |
|--------------------------------|-----------------------------------------|
| 5A. Indicate Type of Lease     |                                         |
| STATE <input type="checkbox"/> | FEE <input checked="" type="checkbox"/> |
| 5. State Oil & Gas Lease No.   |                                         |

API # 30-059-20279

## 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"/>  |  | Bravo Dome Carbon Dioxide Gas Unit               |  |
| b. Type of Well                  |  | OIL WELL <input type="checkbox"/>               |  | GAS WELL <input checked="" type="checkbox"/> |  | CO2 OTHER                           |  | Bravo Dome Carbon Dioxide Gas Unit               |  |
| 2. Name of Operator              |  | Amoco Production Company                        |  | 3. Address of Operator                       |  | P.O. Box 68 Hobbs, New Mexico 88240 |  | 9. Well No.                                      |  |
| 4. Location of Well              |  | UNIT LETTER <u>F</u>                            |  | LOCATED <u>1650</u>                          |  | FEET FROM THE <u>North</u> LINE     |  | Bravo Dome Carbon Dioxide Gas Unit 640-Acre Area |  |
| AND <u>1650</u>                  |  | FEET FROM THE <u>West</u> LINE OF SEC. <u>6</u> |  | TWP. <u>18-N</u>                             |  | RCC. <u>36-E</u>                    |  | 17. County                                       |  |
|                                  |  |                                                 |  |                                              |  |                                     |  | <u>Union</u>                                     |  |
| 19. Proposed Depth               |  | 2900'                                           |  | 15A. Formation                               |  | Tubb                                |  | 20. Method of C.T.                               |  |
| 21A. Kind & Status Plug. Bond    |  | Blanket-on-file                                 |  | 21B. Drilling Contractor                     |  | N/A                                 |  | Rotary                                           |  |
| 22. Approx. Date Work will start |  | A.S.A.P.                                        |  |                                              |  |                                     |  |                                                  |  |

## PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT   | EST. TOP |
|--------------|----------------|-----------------|---------------|-------------------|----------|
| 12-1/4"      | 9-5/8"         | 32.30#          | 700'          | Circulate         | surface  |
| 8-3/4"       | 7"             | 20.0#           | 2900'         | Tieback to 9-5/8" | surface  |

Propose to drill and equip well in the Tubb formation. After reaching TD logs will be run and evaluated. Perforate and stimulate as necessary in attempting commercial production.

Mud Program: 0 - 700' Native Spud Mud  
700 - TD KCL Salt Water Gel-Starch

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 3-20-86  
UNLESS DRILLING UNDERWAY

BOP Diagram attached.

0+5-NMOCD,SF 1-J. R. Barnettt, HOU Rm. 21.156 1-F. J. Nash, HOU Rm. 4.206 1-WF, C 1-WF,  
1-Susp, 1-CMH 1-Amerada 1-Amerigas 1-Cities Service 1-Conoco 1-CO2 in Action 1-Sun  
1-Excelsior 1-Tex 1-Exxon

4. ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PROD. ZONE. GIVE SHUT-IN PREVENTER PROGRAM, IF ANY.

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

Signed Charles M. Loring Title Administrative Analyst (SG) Date 9-18-85

APPROVED BY Roy E. Johnson TITLE DISTRICT SUPERVISOR DATE 9-20-85

CONDITIONS OF APPROVAL, IF ANY:

COLLECT AND BACK SAMPLING FOR  
NEW MEXICO BUREAU OF MINES, GEOLOGY  
AT AT LEAST TEN FOOT INTERVALS

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

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>1836061F</b> |
| Unit Letter<br><b>F</b>                                                                                                        | Section<br><b>6</b>                | Township<br><b>T18N</b>                 | Range<br><b>R36E</b>                               | County<br><b>UNION COUNTY</b>          |                             |
| Actual Footage Location of Well:<br><b>1650</b> feet from the <b>NORTH</b> line and <b>1650</b> feet from the <b>WEST</b> line |                                    |                                         |                                                    |                                        |                             |
| Ground Level Elev.<br><b>4465</b>                                                                                              | Producing Formation<br><b>Tubb</b> | Pool<br><b>Bravo Dome 640 Acre Area</b> |                                                    | Dedicated Acreage:<br><b>640</b> 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 Unitization

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 Commission.

|                                                                                                                                                |  |
|------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p>1023</p> <p>Amoco Prod. Co.<br/>Sun Prod. Co.<br/>George C. Copeland et ux<br/>W. N. Copeland et ux<br/>Joe H. Staley et al</p> <p>1650</p> |  |
| <p>141 PT</p> <p>Amoco Production Company<br/>George C. Copeland et ux<br/>W. N. Copeland et ux</p>                                            |  |

CERTIFICATION

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

Name Charles M. Herring  
Position Admin. Analyst (SG)  
Company Amoco Production Company  
Date 9-18-85

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 7-22-85  
Registered Professional Engineer and/or Land Surveyor  
N. M. L. S. & NO. 5103  
Certificate No. E. SHIELDS

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

STANDARD 2000 PSI W.P. BOP STACK

1. Blow-out preventers may be manually operated.
2. All equipment must be in good condition, 2,000 psi W.P. (4,000 psi test) minimum.
3. Bell nipple above blow-out preventer shall be same size as casing being drilled through.
4. Kelly cock to be installed on kelly.
5. Full opening safety valve 2,000 psi w.p. (4,000 psi test) minimum must be available on rig floor at all times with proper connection or subs to fit any tool joint in string.
6. Spool or cross may be eliminated if connections are available in the lower part of the blow-out preventer body.
7. Double or space saver type preventers may be used in lieu of two single preventers.
8. BOP rams to be installed as follows:
 

|                  |   |                           |
|------------------|---|---------------------------|
| Top preventer    | - | Drill pipe or casing rams |
| Bottom preventer | - | Blind rams                |

\*Amoco District Superintendent may reverse location of rams.
9. Extensions and hand wheels to be installed and braced at all times.
10. Manifold valves may be gate or plug metal to metal seal 2" minimum.

