

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)
30-059-20298

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 - 2134

2. Name of Operator
 Amoco Production Company

8. Well No.
 291K

3. Address of operator
 P.O. Box 606 Clayton N. Mex. 88415

9. Pool name or Wildcat
 Tubb

4. Well Location
 Unit Letter K : 1966 Feet From The West Line and 2006 Feet From The South Line
 Section 29 Township T 21 N Range R 34 E NMPM Union County

| | | |
|---|---|--------------------------------|
| 10. Proposed Depth 2463 | 11. Formation Tubb | 12. Rotary or C.T. Rotary |
| 13. Elevations (Show whether DF,RT,GR,etc.) 4928 | 14. Kind & Status Plug. Bond Blanket On File | 15. Drilling Contractor N/A |
| 16. Approx. Date Work well start 06-15-93 | | |

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 | 2388' | 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 75' 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:

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-188
Revised 1-1-89

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

DISTRICT I
P.O. Box 1900, Hobbs, NM 88240

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

DISTRICT III
1800 Rio Bravo Rd., Aztec, NM 87418

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

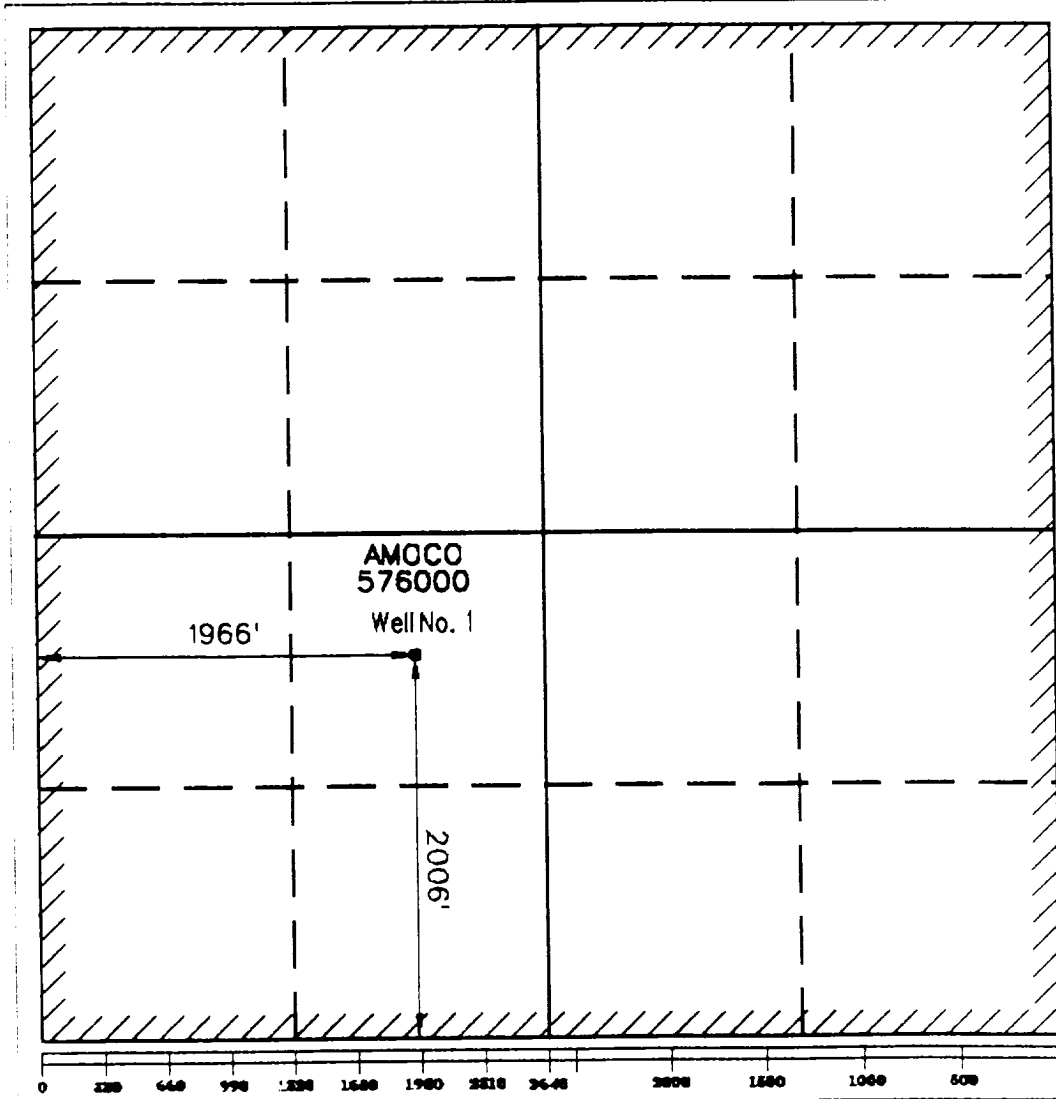
| | | | | | | |
|---|----------------------|------------------------------------|--|--|-------|---------------------------------------|
| Operator AMOCO PRODUCTION COMPANY | | | Lease BRAVO DOME CARBON DIOXIDE GAS UNIT | | | Well No. 1 |
| Unit Letter K | Section 29 | Township 21 NORTH | Range 34 EAST | County NMPM | UNION | |
| Actual Footage Location of Well 1966 feet from the WEST line and 2006 feet from the SOUTH line | | | | | | |
| Ground Level Elev. 4914.30' | | Producing Formation TUBB | | Pool BRAVO DOME CARBON DIOXIDE GAS | | Dedicated Acreage 640 Acres |

- Outline the acreage dedicated to the subject well by colored pencil or hashure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, 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 communitization, 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
Jay Gillkins
Printed Name
Jay Gillkins
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

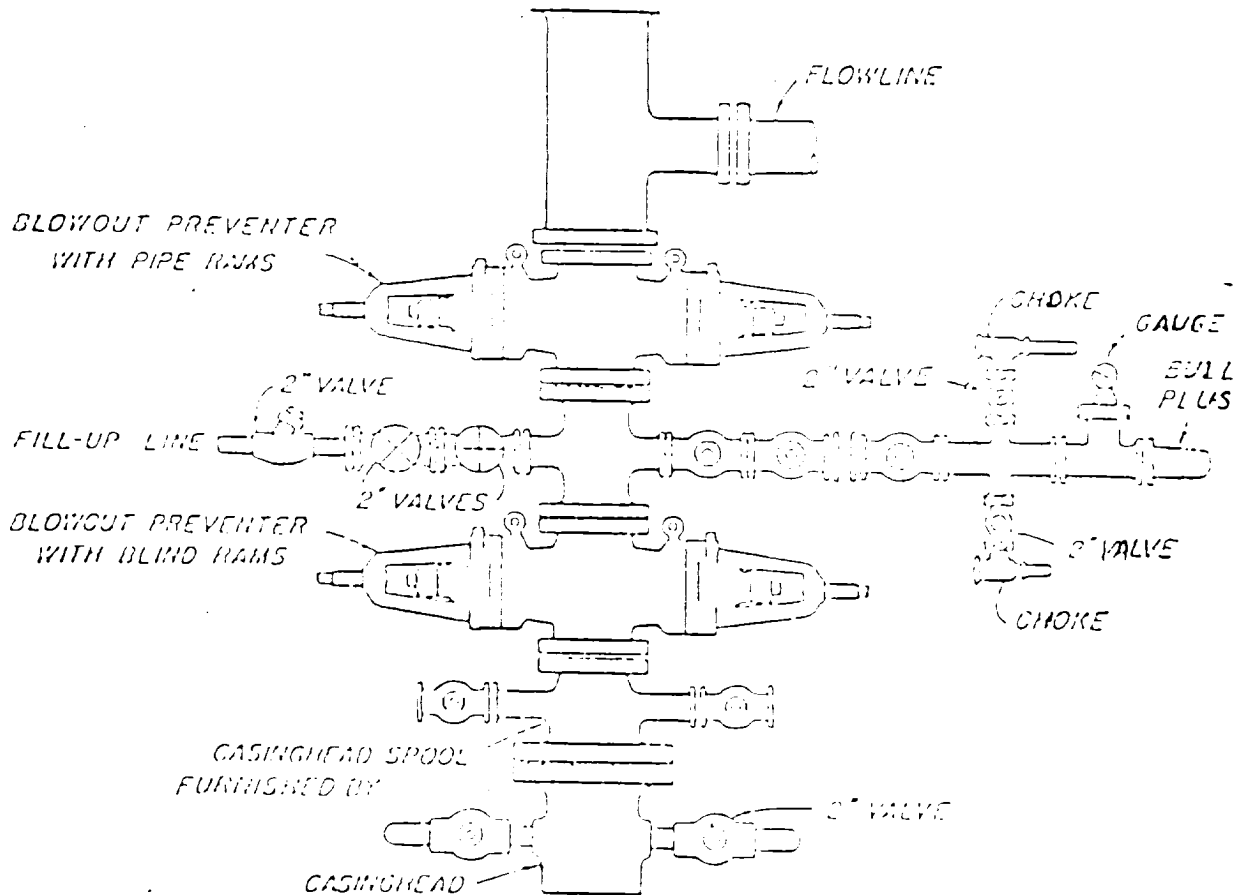
Signature & Seal of Professional Surveyor
Larry A. Fisher
LARRY A. FISHER

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. (10,000 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. (10,000 p.s.i. test) minimum.
5. BOPCO or comparable safety valve must be available on rig floor at all times with proper connection on sub, 3,000# W.P. (10,000 p.s.i. test), minimum.
6. Blow-out preventers and master valve while drilling intermediate hole to 6000' may be 2,000# W.P. (10,000 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: | Top Preventer - Drill pipe rams | when running casing, use: | Top Preventer - Casing rams |
| Bottom Preventer - Blind rams or master valve | | Bottom Preventer - Blind rams or master valve | |



BLOWOUT PREVENTER HOOK-UP

Amoco Production Company

EXHIBIT D-1 MODIFIED