

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) |
| 30-021-20260 |
| 5. Indicate Type of Lease |
| STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No. |
| L-5749 |

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | |
|--|---|
| 1a. Type of Work | 7. Lease Name or Unit Agreement Name |
| DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> | Bravo Dome Carbon Dioxide Gas Unit - 2133 |
| b. Type of Well: | |
| OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER CO2 <input type="checkbox"/> | |
| SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | |
| 2. Name of Operator | 8. Well No. |
| Amoco Production Company | 081G |
| 3. Address of operator | 9. Pool name or Wildcat |
| P.O. Box 606 Clayton N. Mex. 88415 | Tubb |
| 4. Well Location | |
| Unit Letter G : 1762 Feet From The East Line and 1971 Feet From The North Line | |
| Section 8 Township T 21 N Range R 33 E NMPM Harding County | |

| | | |
|--|------------------------------|----------------------------------|
| 10. Proposed Depth | 11. Formation | 12. Rotary or C.T. |
| 2419 | Tubb | Rotary |
| 13. Elevations (Show whether DF, RT, GR, etc.) | 14. Kind & Status Plug. Bond | 15. Drilling Contractor |
| 4884 | Blanket On File | 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 | 2229' | 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 190' 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 5-13-93
CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
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Fee Loans - 5 copies

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Energy, Minerals and Natural Resources Department

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Revised 1-1-89

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Santa Fe, New Mexico 87504-2088

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

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

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 G | Section 8 | Township 21 NORTH | Range 33 EAST | County HARDING | NMPK |
| Actual Footage Location of Well 1762 feet from the EAST line and 1971 feet from the NORTH line | | | | | |
| Ground Level Elev. 4869.60' | Producing Formation TUBB | | Pool BRAVO DOME CARBON DIOXIDE GAS | | Dedicated Acreage 640 Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hashure 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, forced-pooling, etc?

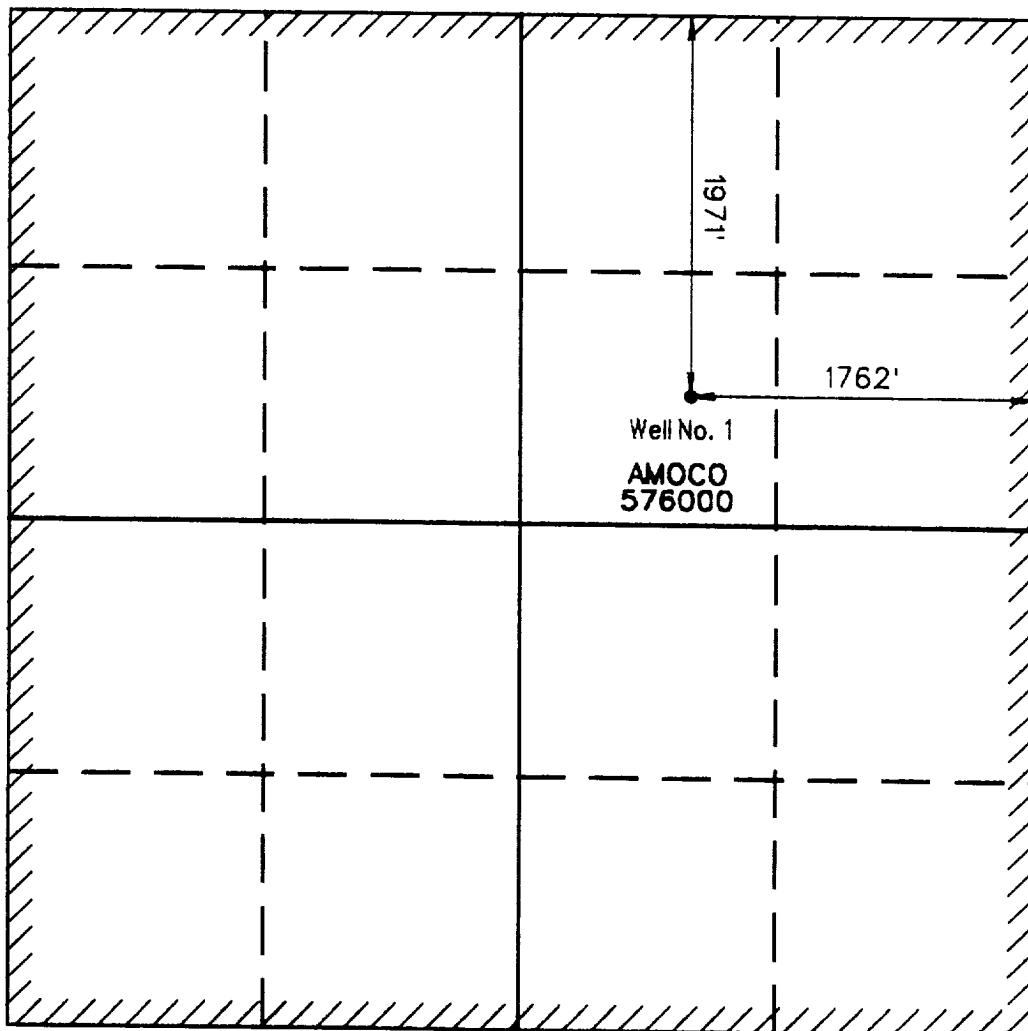
☐ Yes

☐ 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

Joy Filkins

Printed Name

Joy Filkins

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.

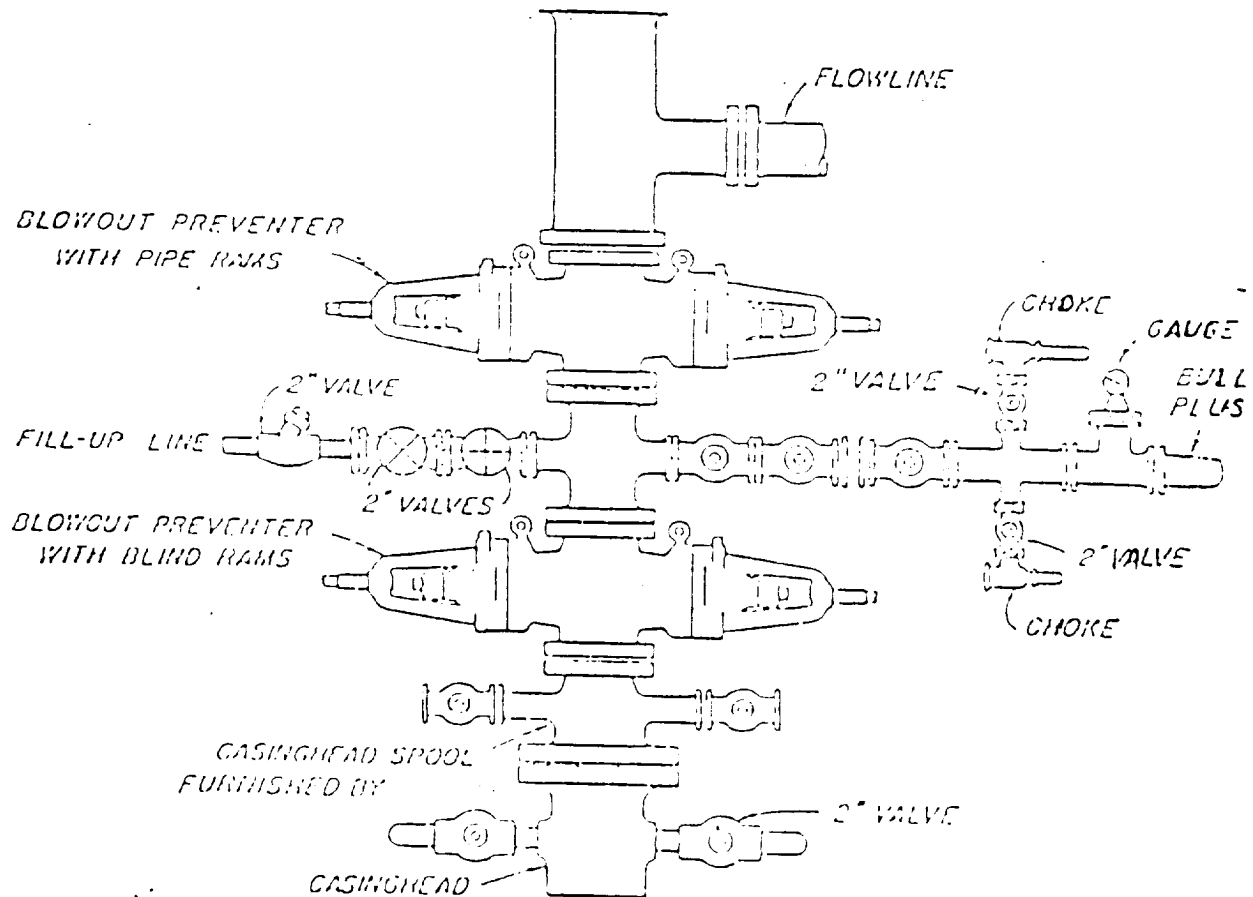
11013

0 230 460 690 920 1150 1380 1610 1840 2070 2300 2530 2760 3000 3230 3460 3690 3920 4150 4380 4610 4840 5070 5300 5530 5760 5990 6220 6450 6680 6910 7140 7370 7600 7830 8060 8290 8520 8750 8980 9210 9440 9670 9900 10130 10360 10590 10820 11050 11280 11510 11740 11970 12200 12430 12660 12890 13120 13350 13580 13810 14040 14270 14500 14730 14960 15190 15420 15650 15880 16110 16340 16570 16800 17030 17260 17490 17720 17950 18180 18410 18640 18870 19100 19330 19560 19790 20020 20250 20480 20710 20940 21170 21400 21630 21860 22090 22320 22550 22780 23010 23240 23470 23700 23930 24160 24390 24620 24850 25080 25310 25540 25770 26000 26230 26460 26690 26920 27150 27380 27610 27840 28070 28300 28530 28760 28990 29220 29450 29680 29910 30140 30370 30600 30830 31060 31290 31520 31750 31980 32210 32440 32670 32900 33130 33360 33590 33820 34050 34280 34510 34740 34970 35200 35430 35660 35890 36120 36350 36580 36810 37040 37270 37500 37730 37960 38190 38420 38650 38880 39110 39340 39570 39800 40030 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278770 279000 279230 279460 279690 279920 280150 280380 280610 280840 281070 281300 281530 281760 281990 282220 282450 282680 282910 283140 283370 283600 283830 284060 284290 284520 284750 284980 285210 285440 285670 285900 286130 286360 286590 286820 287050 287280 287510 287740 287970 288200 288430 288660 288890 289120 289350 289580 289810 290040 290270 290500 290730 290960 291190 291420 291650 291880 292110 292340 292570 292800 293030 293260 293490 293720 293950 294180 294410 294640 294870 295100 295330 295560 295790 296020 296250 296480 296710 296940 297170 297400 297630 297860 298090 298320 298550 298780 299010 299240 299470 299700 300000

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



BLOWOUT PREVENTER HOOK-UP

Amoco Production Company

EXHIBIT D-1 MODIFIED