

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-179-22482

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒

3. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY

4. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, New Mexico 87401

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
E 1660' FNL and 1095' FWL, Section 10, T25N, R5W
At proposed prod. zone
Same

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
15-1/2 miles North Northeast of Counselor, New Mexico

7. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest 40-ft. unit line, if any)
1095'

8. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL (Drilling, completed, or applied for on this lease, ft.)
540'

9. NO. OF ACRES IN LEASE
2557.20

10. PROPOSED DEPTH
5458'

11. NO. OF ACRES ASSIGNED TO THIS WELL
160 + 160

12. ROTARY OR CABLE TOOLS
Rotary

13. APPROX. DATE WORK WILL START*
As soon as permitted

14. ELEVATIONS (SHOW SURFACE OF DR. RT. GR. etc.)
6717' GL

5. LEASE DESIGNATION AND SERIAL NO.
Jicarilla Contract 146

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Jicarilla Contract 146

9. WELL NO.
31

10. FIELD AND POOL, OR WILDCAT
Otero Chacra/
Gonzales Mesaverde *Ext*

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SW/4, NW/4, Section 10
T25N, R5W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
New Mexico

PROPOSED CASING AND CEMENTING PROGRAM

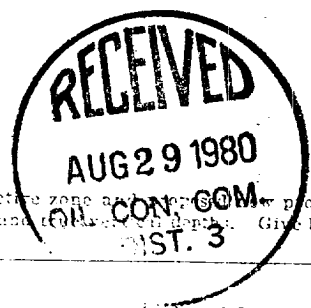
| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--|----------------|-----------------|---------------|--|
| 12-1/4" | 8-5/8" (Now) | 24# K-55 | 500' | 315 sx Class "B" w/2% CaCl2-circ |
| 7-7/8" | 5-1/2" (New) | 15.5# K-55 | 5458' | Stage 1-345 sx Class "B" Neat-circ |
| DRILLING OPERATIONS AUTHORIZED ARE | | | | Stage 2-602 sx Class "B" 50:50 POZ, 6% gel, 2# med tuf plug/sx, and 0.8% FLA. Tail in w/75 sx Class "B" Neat-circ. |
| SUBJECT TO COMPLIANCE WITH ATTACHED 'GENERAL REQUIREMENTS' | | | | DV Tool at 3948'. |

This action is subject to administrative appeal pursuant to 30 CFR 290.

Amoco proposes to drill this dual well to further develop the Otero Chacra/ Gonzales Mesaverde reserves. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low solids nondispersed mud system. Completion design will be based on open hole logs. A copy of all logs will be filed upon completion. Additional information required by NTL-6 for the application to drill and a multi-point surface use plan are attached.

Run cement basket below DV Tool.

The gas from this well is dedicated to El Paso Natural Gas Co.



1. OTHER SPECIAL REASONS PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and depth. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true depth. Give blowout prevention program, if any.

SIGNED RA Downey TITLE District Engineer DATE July 18, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Bruce Wamley TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

ch 3-2

NMOCC

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

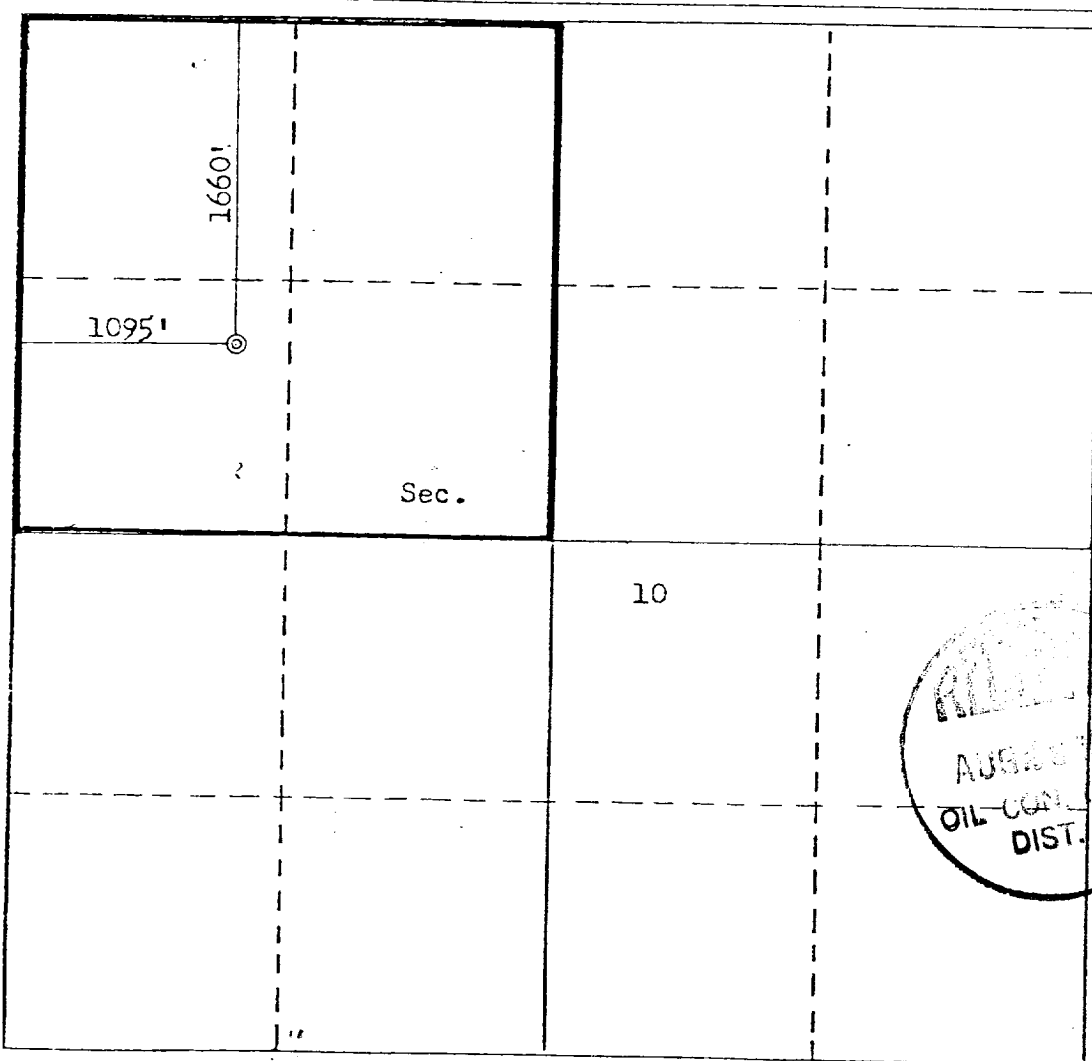
| | | | | | |
|--|--|------------------------|--|--|-----------------------|
| Operator AMOCO PRODUCTION COMPANY | | | Lease JICARILLA CONTRACT 146 | | Well No. 31 |
| Unit Letter E | Section 10 | Township 25N | Range 5W | County Rio Arriba | |
| Actual Footage Location of Well: 1660 feet from the North line and 1095 feet from the West line | | | | | |
| Ground Level Elev. 6717 | Producing Formation Chacra Mesaverte | | Pool Otero Chacra - Gonzales Est | Dedicated Acreage: 160 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).
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 _____

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.



CERTIFICATION

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

R. A. Downey

Name

R. A. DOWNEY

Position

DISTRICT ENGINEER

Company

AMOCO PRODUCTION COMPANY

Date

MAY 28, 1980

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

May 21, 1980

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr, Jr.

Fred B. Kerr, Jr.

Certificate No. F. B. KERR, JR.

3950

