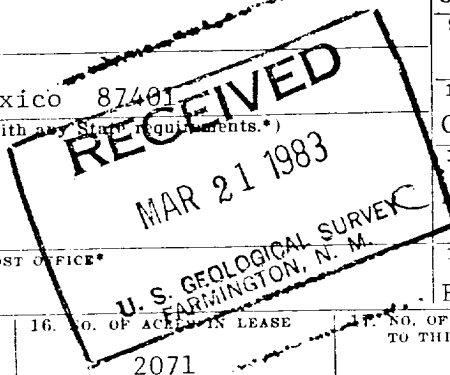


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-23186

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WELL DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Tribal 396	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR Amoco Production Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, New Mexico 87401		8. FARM OR LEASE NAME Jicarilla Tribal 396	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 990' FNL x 1690' FWL At proposed prod. zone Same		9. WELL NO. 3	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 11 miles east of Counselors, NM		10. FIELD AND POOL, OR WILDCAT Chacon Dakota/Undes. Gallup	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR SURVEY LINE, FT. (Also to nearest 1/4 sec. unit line, if any) 990'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE/NW, Section 8, T23N, R3W	
16. NO. OF ACRES IN LEASE 2071		12. COUNTY OR PARISH Rio Arriba	
17. PROPOSED DEPTH 7707'		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST COMPLETED WELL, FT. 2400'		19. NO. OF ACRES ASSIGNED TO THIS WELL 160/40	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START As soon as permitted	
22. DISTANCE FROM PROPOSED LOCATION TO NEAREST COMPLETED WELL, FT. 7408' GL		23. APPROX. DATE WORK WILL START As soon as permitted	
24. DISTANCE FROM PROPOSED LOCATION TO NEAREST COMPLETED WELL, FT. 7408' GL		25. APPROX. DATE WORK WILL START As soon as permitted	

OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHEDFEDERAL CEMENTING PROGRAM  
PROPOSED CASING AND CEMENTING PROGRAMThis action is subject to administrative  
appeal pursuant to 30 CFR 200.

PIPE	CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	8-5/8"	24# K-55	300'
7-7/8"	5-1/2"	15.5# K-55	7707'

372 cu. ft. Class B neat  
Stage 1: 308 cu. ft. Class B 50:50  
6% gel, 2# med tuf plug/sx and 0.8%  
fluid loss additive; 236 cu ft Class  
B neat tail in.  
Stage 2: 1527 cu. ft. Class B 65:35  
POZ, 6% gel, 2# med tuf plug/sx, and  
0.8% fluid loss additive. 118 cu f  
Class B neat tail in.

Amoco proposes to drill the above well to further develop the Chacon Dakota/Undes. Gallup reservoirs. 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 non-dispersed mud system. Completion design will be based on open hole logs. Copies of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout prevention design.

The gas produced from this well has not been dedicated.

20. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to plug back, give pertinent data on subsurface conditions and measured and true vertical depths. Give blowout prevention design.

TITLE District Engineer DATE 3/18/83

(This space for Federal or State office use)

APPROVAL DATE

APPROVED BY TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED

DATE MAR 28 1983

JAMES F. SIMS  
DISTRICT ENGINEER

## OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-107  
Revised 10-1-78

STATE OF NEW MEXICO

SANTA FE, NEW MEXICO 87501

ENERGY AND MINERALS DEPARTMENT

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

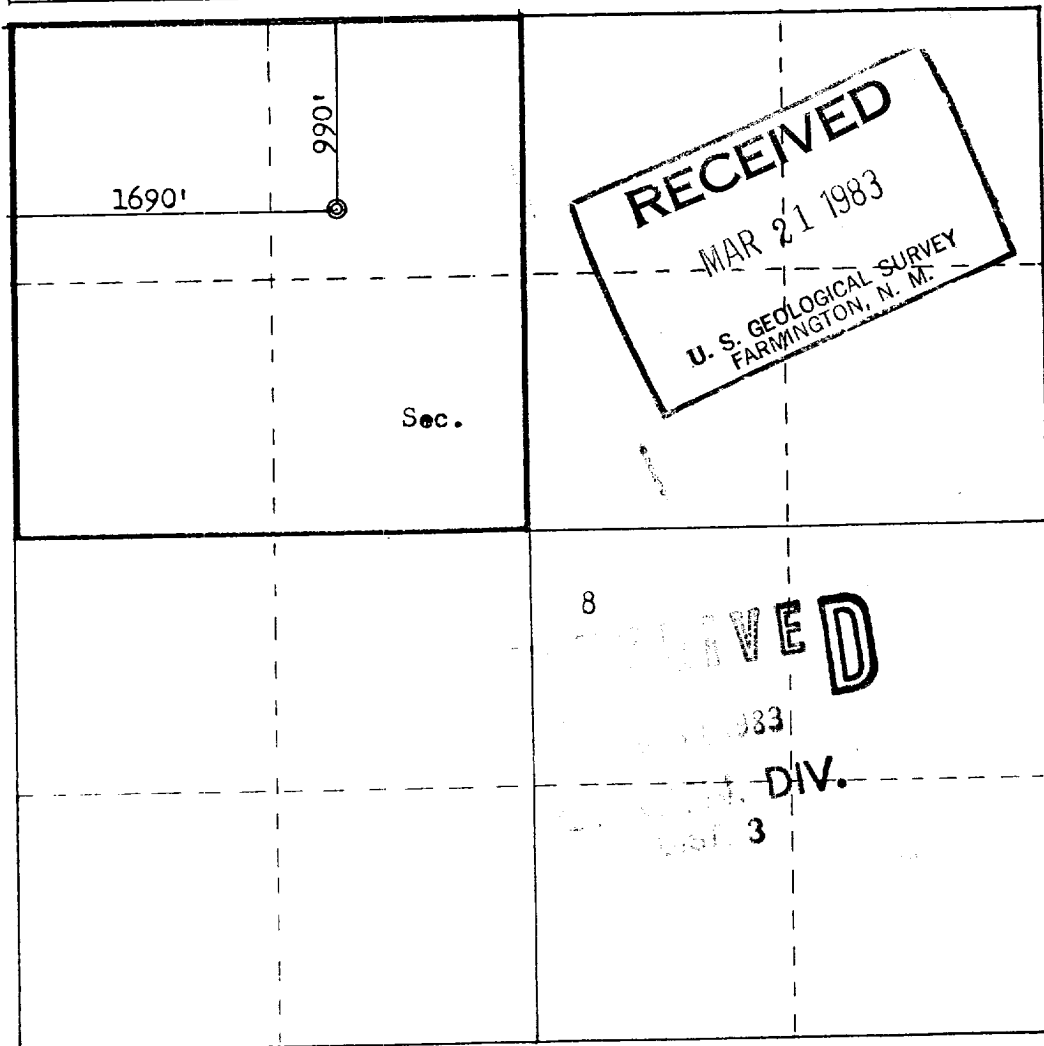
Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>JICARILLA APACHE TRIBAL 396</b>		Well No. <b>3</b>
Unit Letter <b>C</b>	Section <b>8</b>	Township <b>23N</b>	Range <b>3W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>990</b> feet from the <b>North</b> line and <b>1690</b> feet from the <b>West</b> line					
Ground Level Elev: <b>7408</b>	Producing Formation <b>DAKOTA</b>		Pool <b>CHACON DAKOTA Ext.</b>		Dedicated Acreage: <b>160</b> 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.



Scale: 1"=1000'

## CERTIFICATION

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

*Dale H. Shoemaker*

Name  
**DALE H. SHOEMAKER**

Position  
**DISTRICT ENGINEER**

Company  
**AMOCO PRODUCTION COMPANY**

Date  
**MARCH 18, 1983**

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  
**November 11, 1982**

Registered Professional Engineer  
and Land Surveyor

*Fred B. Kerr Jr.*  
**Fred B. Kerr Jr.**

Certificate No. **3950**

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-78

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

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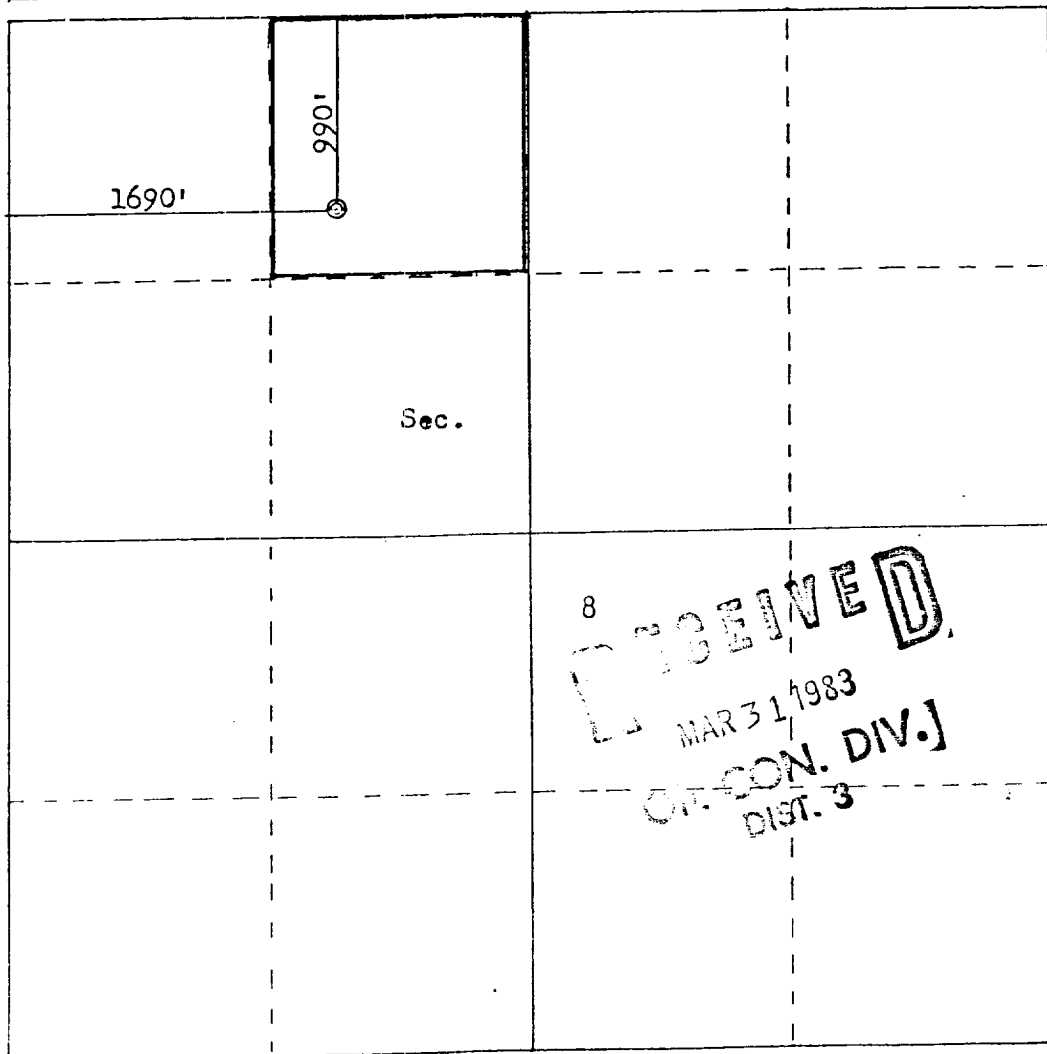
Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>JICARILLA APACHE TRIBAL 396</b>		Well No. <b>3</b>
Unit Letter <b>C</b>	Section <b>8</b>	Township <b>23N</b>	Range <b>3W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>990</b> feet from the <b>North</b> line and <b>1690</b> feet from the <b>West</b> line					
Ground Level Elev: <b>7408</b>	Producing Formation <b>GALLUP</b>		Pool <b>UNDESIGNATED GALLUP</b>		Dedicated Acreage: <b>40</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 \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

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## CERTIFICATION

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

D. H. SHOEMAKER

Name  
**DALE H. SHOEMAKER**

Position  
**DISTRICT ENGINEER**

Company  
**AMOCO PRODUCTION COMPANY**

Date  
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