

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

PRINTED IN THE UNITED STATES  
OF AMERICA  
REVERSE SIDE

30-039-23470

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

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

2. NAME OF OPERATOR  
Amoco Production Company

3. ADDRESS OF OPERATOR  
501 Airport Drive, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface: 1760' FSL x 860' FWL

At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
16 miles Northwest of Gobernador

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 860'

16. NO. OF ACRES IN LEASE  
2556.54

17. NO. OF ACRES ASSIGNED  
TO THIS WELL 320/160

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. 3300' NE

19. PROPOSED DEPTH 8881'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7018' GR

22. APPROX. DATE WORK WILL START\* As soon as permitted

23. DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS" CEMENTING PROGRAM

5. IF INDIAN, ALLOTTEE OR TRIBE NAME

6. UNIT AGREEMENT NAME

Rosa Unit

7. FARM OR LEASE NAME

8. WELL NO.

106

10. FIELD AND POOL, OR WILDCAT

Basin Dakota/Undes. Gallup

11. SEC., T., E., W., OR BLK.  
AND SURVEY OR AREA

NW/SW, Sec. 24, T31N, R4W

12. COUNTY OR PARISH; 13. STATE

Rio Arriba New Mexico

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

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14-3/4"	11-3/4"	42#, H-40	400'	470 ft3 Class B w/2% CaCl2
7-7/8"	4-1/2"	11.6#, N-80	8881'	Stage 1) 840 ft3 Class B w/50:50 POZ, 6% gel, 2# med tuff plug/sx and .08% FLA. Tail in w/118 ft3 Class B Neat. Stage 2) 1600 ft3 Class B w/65:35 POZ 6% gel, 2# med tuff plug/sx, 0.8% FLA. Tail in w/118 ft3 Class B neat.

Amoco proposes to drill the above well to further develop the Dakota and Gallup reservoir. 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. Copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design. Upon completion the well site will be cleaned and the reserve pit filled and leveled. The gas from this well is undedicated at this time.

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED

TITLE Dist. Admin. Supervisor

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL

RECEIVED  
JUN 05 1984  
OIL CON. DIV.  
DIST. 3

TITLE

NMOCC

APPROVED  
AS AMENDED

JUN 01 1984

AREA MANAGER  
FARMINGTON RESOURCE AREA

## OIL CONSERVATION DIVISION

P. O. BOX 2086

SANTA FE, NEW MEXICO 87501

Form C-107

Revised 10-1-

NEW MEXICO  
MINERALS DEPARTMENT

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

Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>ROSA UNIT</b>		Well No. <b>106</b>
Unit Letter <b>L</b>	Section <b>24</b>	Township <b>31N</b>	Range <b>1W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>1760</b> feet from the <b>South</b> line and <b>860</b> feet from the <b>West</b> line					
Ground Level Elev. <b>7018</b>	Producing Formation <b>Gallup/Dakota</b>	Pool <b>Undes. Gallup/Basin Dakota</b>		Dedicated Acreage: <b>160/320</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 Unitized

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.

<b>RECEIVED</b> JUN 05 1984 OIL CON. DIV. DIST. 3		<b>RECEIVED</b> MAY 14 1984 BUREAU OF LAND SURVEY FARMINGTON	
Sec.		24	
860'		1760'	

## CERTIFICATION

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

Name

D. D. Lawson

Position

District Admin. Supervisor

Company

Amoco Production Company

Date

5-8-84

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.

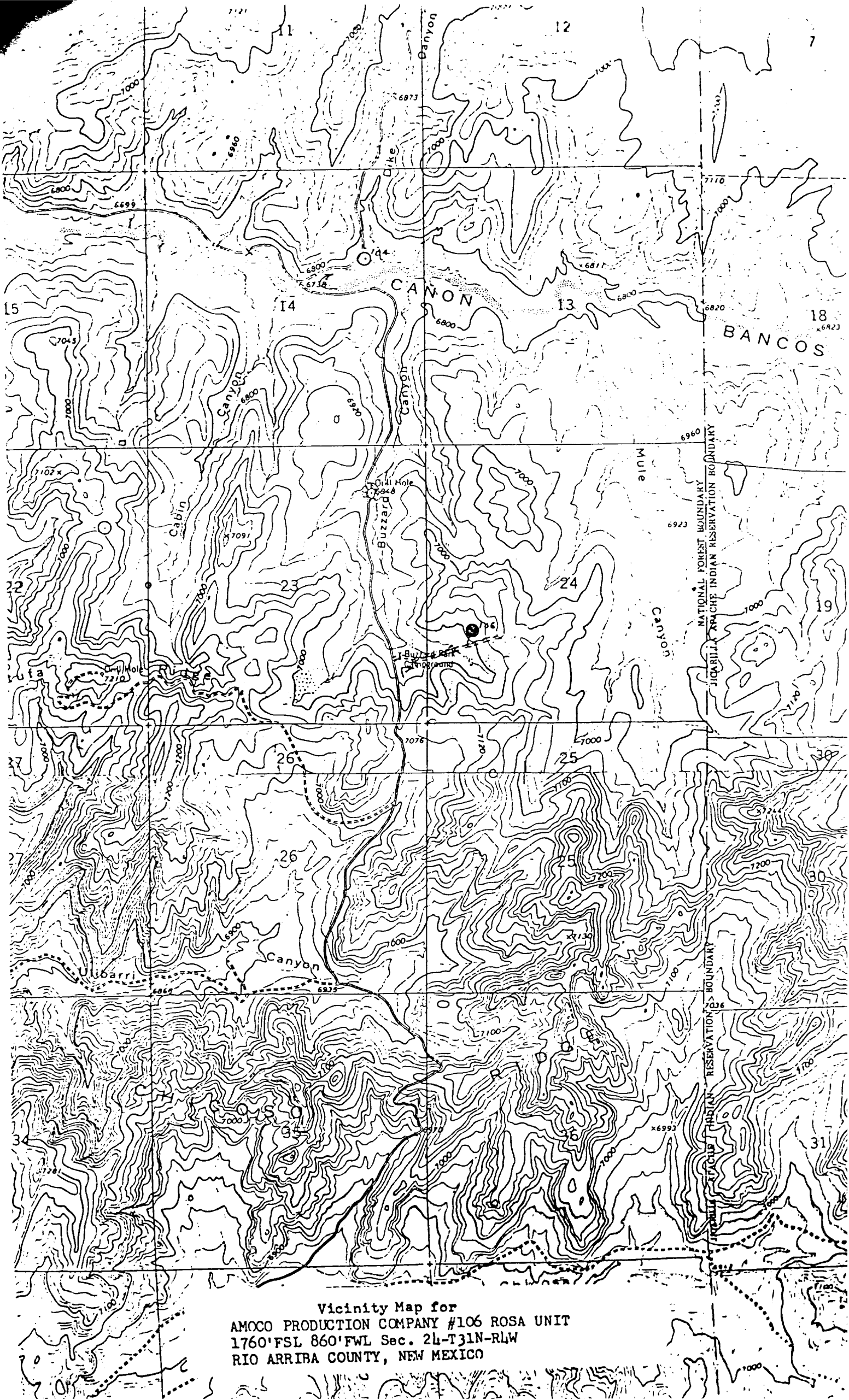
Date Surveyed

March 21, 1984

Registered Professional Engineer  
and Land Surveyor

Fred B. Kerr Jr.

Certificate No. 1000



Vicinity Map for  
AMOCO PRODUCTION COMPANY #106 ROSA UNIT  
1760' FSL 860' FWL Sec. 24-T31N-RLW  
RIO ARRIBA COUNTY, NEW MEXICO