

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Apache 102		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" 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 Apache 102		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 910' FNL x 1740' FWL, Section 9-T26N, R4W  At proposed prod. zone Same			9. WELL NO. 29A		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 25 miles northwest of Lindrith, New Mexico			10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde/B. S. Mesa Gallup		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 910'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE/4, NW/4, Section 9, T26N, R4W		
16. NO. OF ACRES IN LEASE 2567.94			12. COUNTY OR PARISH Rio Arriba		
17. NO. OF ACRES ASSIGNED TO THIS WELL 320/160			13. STATE New Mexico		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. Approx. 750'			19. PROPOSED DEPTH 7700'		
20. ROTARY OR CABLE TOOLS Rotary			21. APPROX. DATE WORK WILL START* As soon as permitted		
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 7112' GL					

## 23. 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"	24# (K-55)	300'	157 sx Class "B" w/2% CaCl2 - circ.
7-7/8"	5-1/2"	15.5# (K-55)	7700'	Stage 1 - 268 sx - Class "B" neat, 50:50 POZ, 6% gel, 2# med tuf/s and .8% fluid loss additive. Tail in 100 sx class "B" neat-circ.
				Stage 2 - 692 sx - Class "B" neat, 65:35 POZ, 6% gel, 2# med tuf plug/sx and .8% fluid loss additive. Tail in 100 sx Class "B" neat - circ.

Amoco proposes to drill the above well to further develop the Blanco Mesaverde and B. S. Mesa Gallup reservoirs. The well will be drilled from 0-300' using native spud mud. The well will then be drilled from 300'-TD using 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 Attachment. The gas produced from this well is not dedicated 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 prevention program, if any.

24.

SIGNED W. J. Peterson

TITLE District Engineer

DATE MAR 30 1982

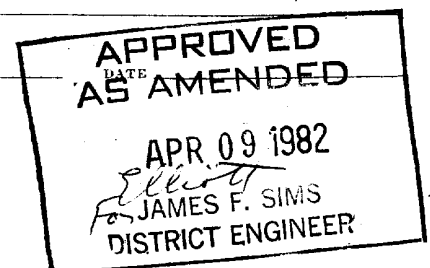
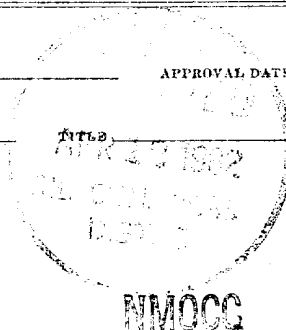
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

on 7



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

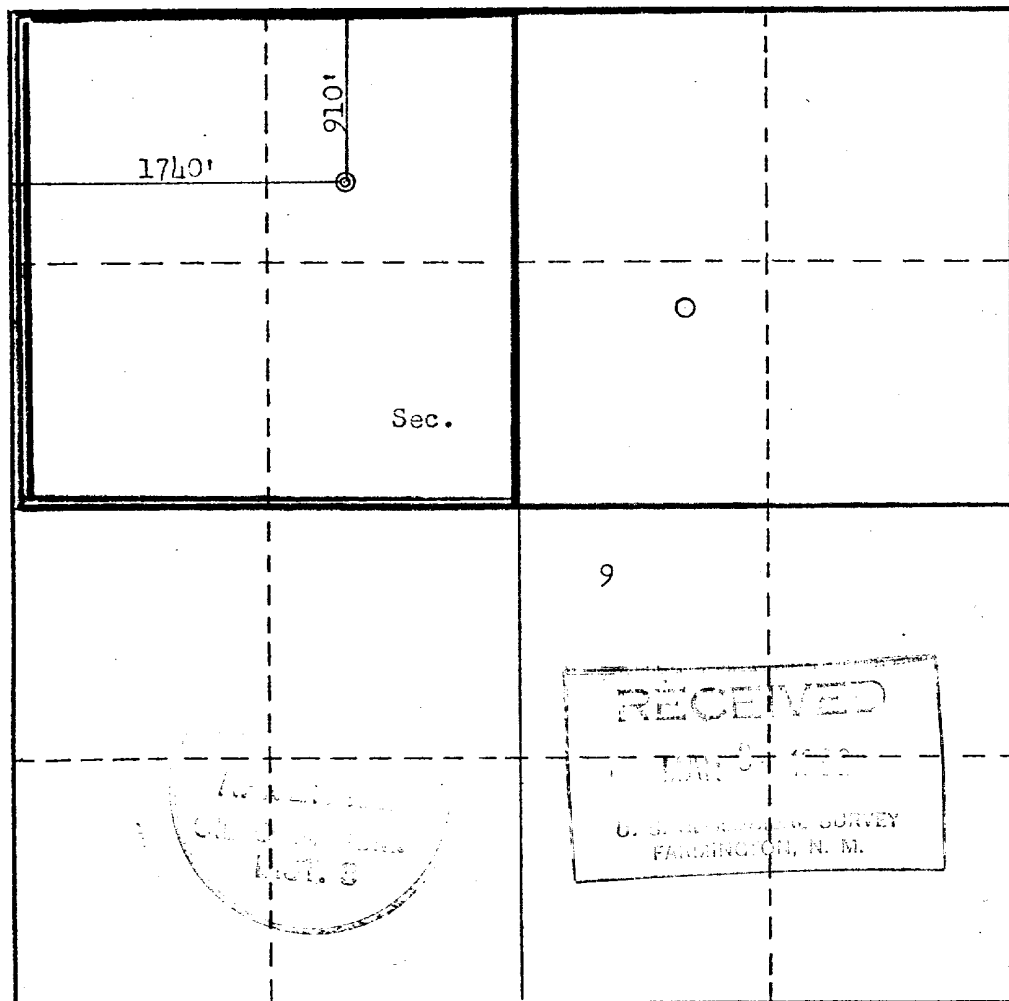
Operator <b>AMOCO PRODUCTION COMPANY</b>		Lease <b>JICARILLA APACHE 102</b>		Well No. <b>29A</b>
Unit Letter <b>C</b>	Section <b>9</b>	Township <b>26N</b>	Range <b>4W</b>	County <b>Rio Arriba</b>
Actual Footage Location of Well: <b>910</b> feet from the <b>North</b> line and <b>1740</b> feet from the <b>West</b> line				
Ground Level Elev. <b>7112</b>	Producing Formation <b>Mesa Verde-Gallup</b>	Pool <b>Blanco Mesaverde/B. S. Mesa Gallup</b>	Dedicated Acreage: <b>320/160</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.) \_\_\_\_\_

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.

*Wayne L. Peterson*

Name  
**Wayne L. Peterson**  
Position  
**District Engineer**

Company  
**Amoco Production Company**

Date  
**MAR 30 1982**

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.

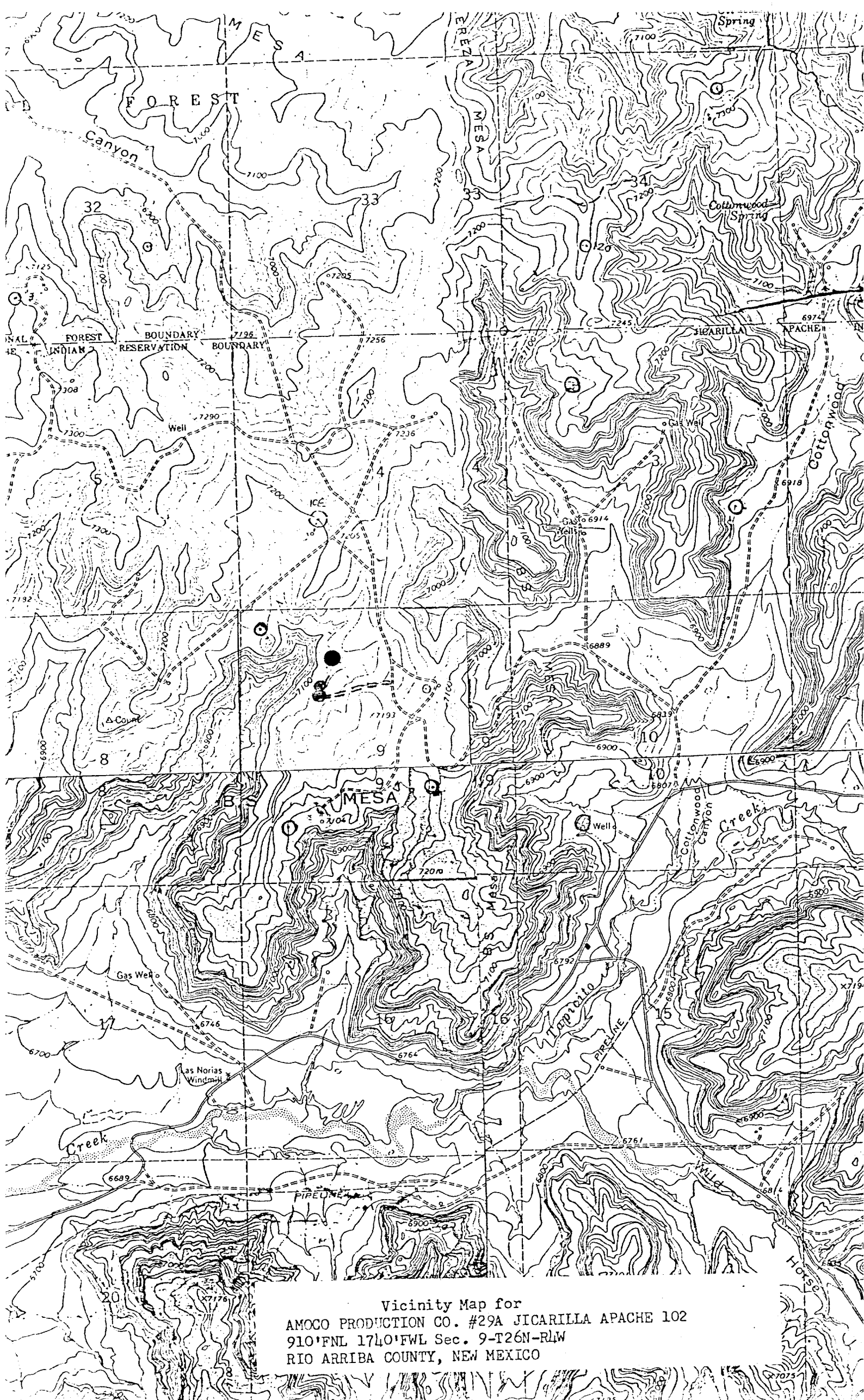
Date Surveyed

**February 2, 1982**  
Registered Professional Engineer  
and/or Land Surveyor

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

Certificate No.

**3950**



Vicinity Map for  
AMOCO PRODUCTION CO. #29A JICARILLA APACHE 102  
910'FNL 1740'FWL Sec. 9-T26N-R1W  
RIO ARriba COUNTY, NEW MEXICO