

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

36.029-20923

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, New Mexico 87401**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
At surface **1510' PSL & 1170' PSL**  
At proposed prod. zone **Same**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**50 miles northeast of Blanco, New Mexico**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) **1510'**  
18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **8880'**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**6576' ungraded GL**

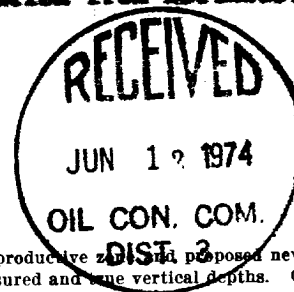
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10-3/4"	40.5#	311'	300 ex
9-7/8"	7-5/8"	26.4#	4035'	800 ex
6-3/4"	4-1/2"	11.6#	8500'	600 ex - 2 stages

Well to be drilled to test Dakota Formation. Completion interval and stimulation program to be determined from study of open hole logs.

Copies of Location Plat, Development Plan, Topo map, location sketch, transportation sketch, Forest Permit and Amoco's blowout prevention hookup for this well are attached.

Permit to use the National Forest has been approved. Designation from Northwest Pipeline Corporation as Sub-Operator is being obtained.



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.

24. Original Signed by **J. ARNOLD STELL** TITLE **Area Engineer** DATE **May 21, 1974**

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY **[Signature]** TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

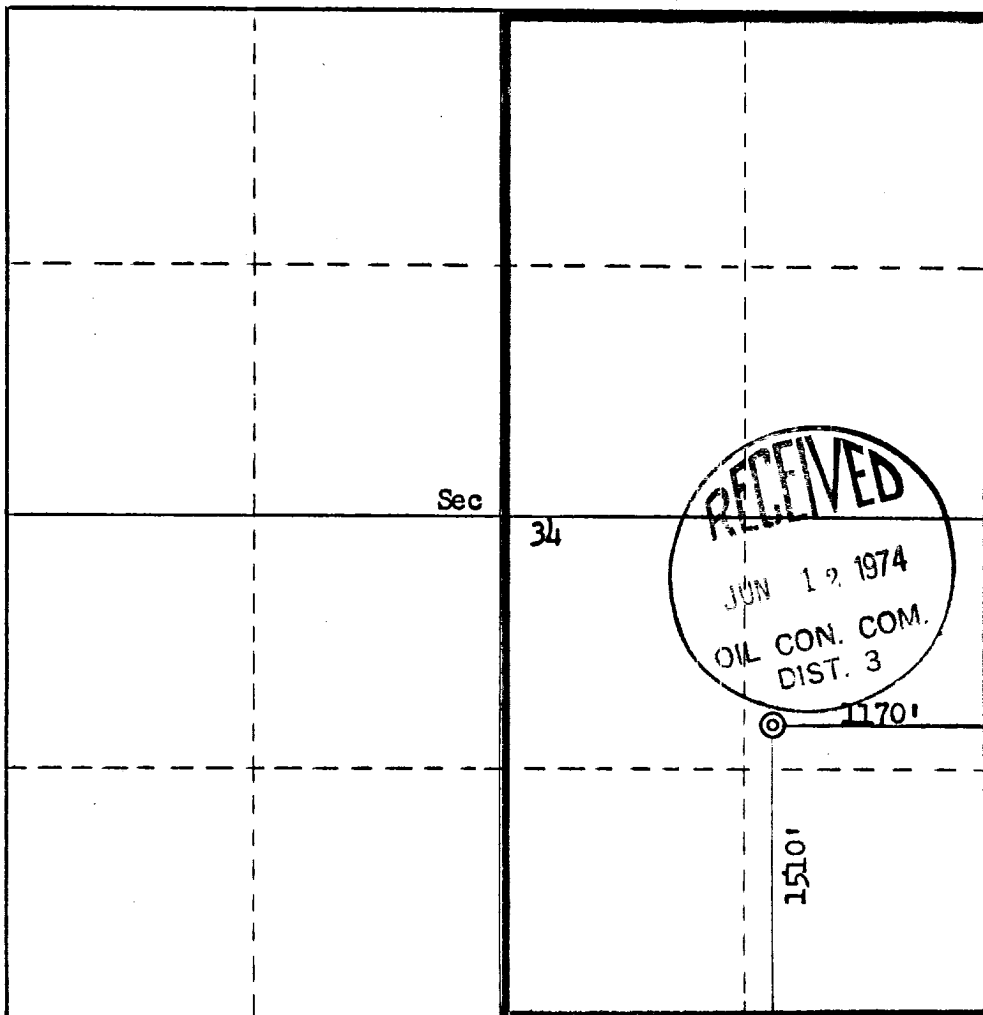
Operator <b>Amoco Production Company</b>			Lease <b>Rosa Unit</b>		Well No. <b>55</b>
Unit Letter <b>I</b>	Section <b>34</b>	Township <b>31N</b>	Range <b>5W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>1510</b> feet from the <b>South</b> line and <b>1170</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6576</b>	Producing Formation <b>Dakota-Mesa Verde</b>		Pool <b>Basin Dakota-Blanco Mesaverde</b>		Dedicated Acreage <b>320</b> Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.

*J. Arnold Snell*

Name  
**J. Arnold Snell**

Position  
**Area Engineer**

Company  
**AMOCO PRODUCTION COMPANY**

Date  
**June 26, 1973**

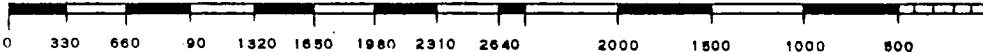
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**June 20, 1973**

Registered Professional Engineer and/or Land Surveyor

*Fred B. Kern Jr.*  
**Fred B. Kern Jr.**

Certificate No.  
**3950**

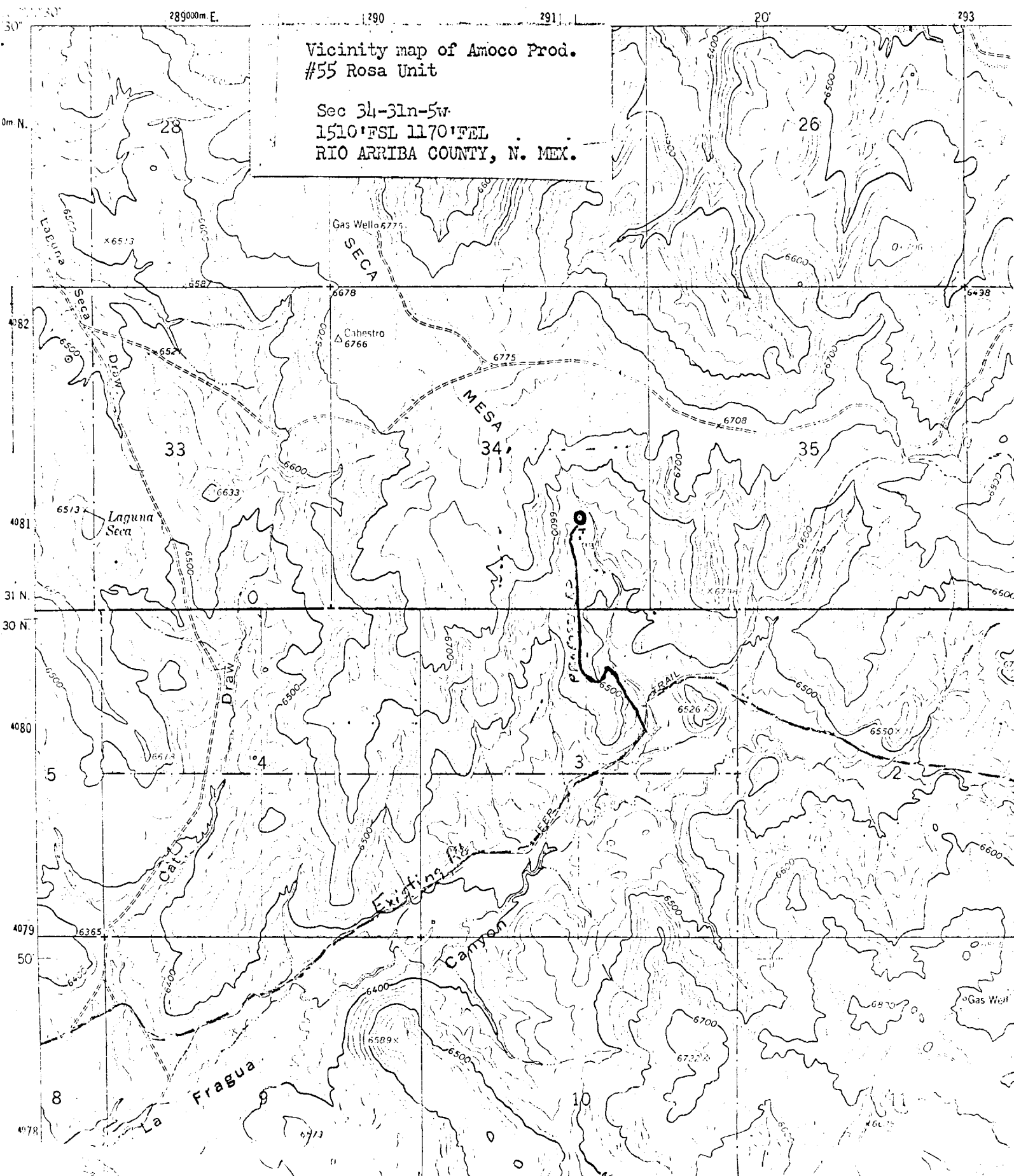


DEVELOPMENT PLAN  
ROSA UNIT NO. 55

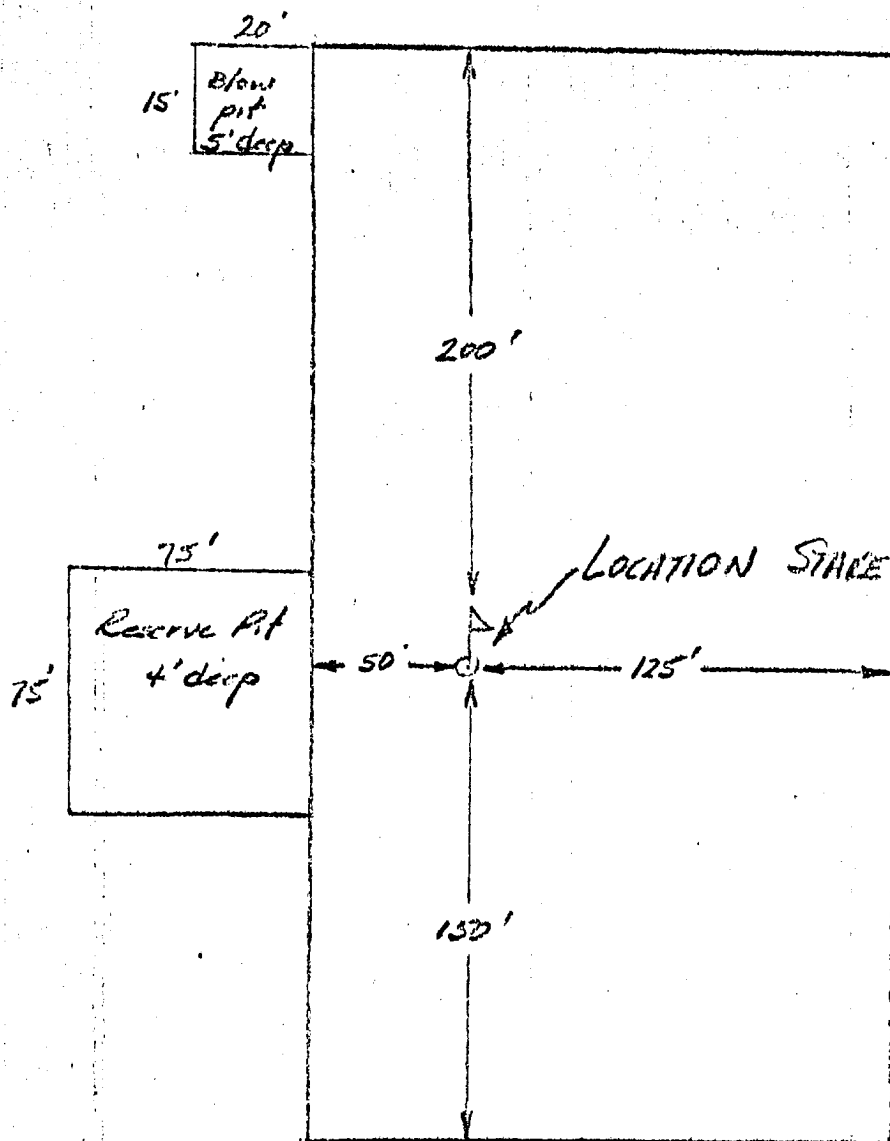
The location of the proposed well is near an existing forest road and only 0.7 mile of new road will have to be constructed. Approval for constructing the road and drillsite location has been given by the U. S. Forest Service and a special use permit issued to Amoco. All construction will be in accordance with Forest Service specifications.

There are no camps or airstrips nearby. Arrangements will be made to truck water from the Gomaz Water Hole at La Jara Wash, a distance of 8.3 miles. The high side of the location will be bar ditched, and upon completion of the well the location will be cleaned, leveled and the reserve pits backfilled. Amoco's blowout preventer hookup will be used. The attached sketches show in detail the location of the proposed well.

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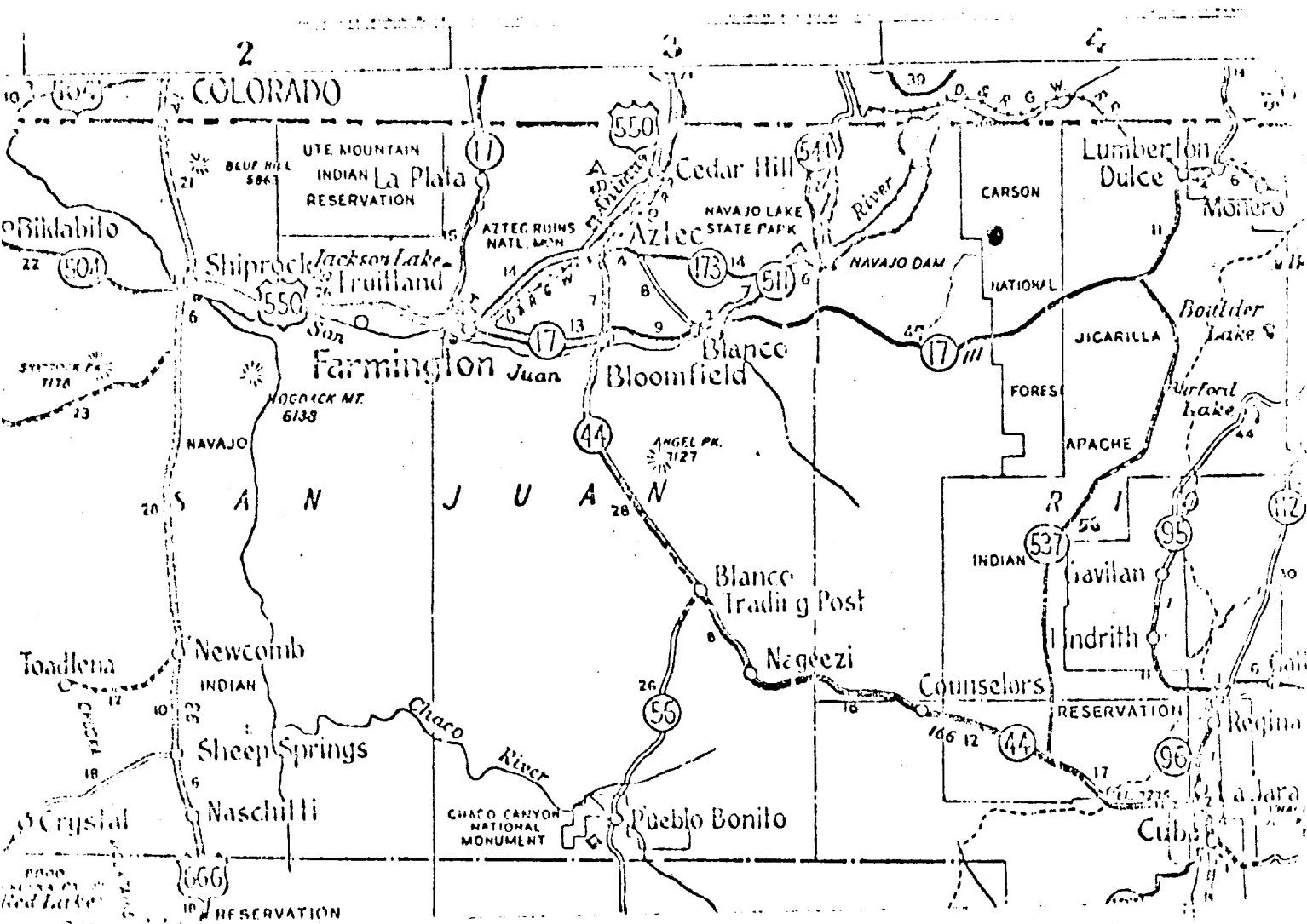


# Rosa Unit Well No 55



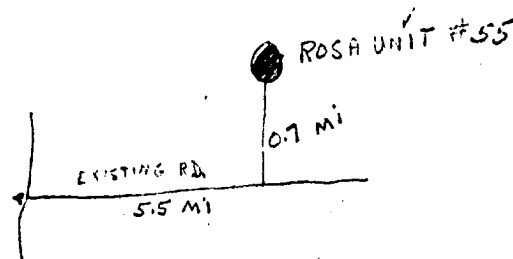
APPROXIMATELY 1.6 ACRES

Amoco Production Company	SCALE: 1" = 100'
DRILLING LOCATION SPECIFICATION	DRG. NO. 100



FARMINGTON AREA  
DENVER DIVISION  
TRAFFIC SKETCH  
Rosa Unit No. 55

New Mexico



# SPECIAL USE PERMIT

Act of June 4, 1897  
This permit is revocable and nontransferable  
(Ref. FSM 2710)

70	03	02
d. District (7-8)	e. User number (9-12)	f. Kind of use (13-15)
03	2724	420
g. State (16-17)	h. County (18-20)	k. Card no. (21)
35	039	1

Permission is hereby granted to Amoco Product Company  
of 501 Airport Drive, Farmington, New Mexico 87401  
hereinafter called the permittee, to use subject to the conditions set out below, the following described lands or improvements:

A two acre tract in the NW 1/4 SE 1/4, Section 34 and a road right-of-way through the NW 1/4 SE 1/4, S 1/2 SE 1/4, Section 34, T31N, R5W and lots 6, 7 and the SW 1/4 NE 1/4, Section 3, T30N, R5W, NMPM as shown on the attached map.

This permit covers 2 acres and/or 0.8 miles and is issued for the purpose of:

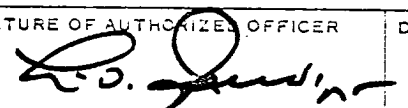
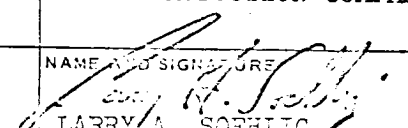
1. Constructing, drilling and maintaining the Rosa #55 gas well.
2. Constructing, using and maintaining an access road thereto.

1. Construction or occupancy and use under this permit shall begin within 1 months, and construction, if any, shall be completed within 3 months, from the date of the permit. This use shall be actually exercised at least 365 days each year, unless otherwise authorized in writing.

2. In consideration for this use, the permittee shall pay to the Forest Service, U.S. Department of Agriculture, the sum of Free Use, 36 CFR 251.2 Dollars (\$                     ) for the period from                      19      , to                     , 19      , and thereafter annually on                     

                     Dollars (\$                     ) :  
Provided, however, Charges for this use may be made or readjusted whenever necessary to place the charges on a basis commensurate with the value of use authorized by this permit.

3. This permit is accepted subject to the conditions set forth herein, and to conditions 18 to 38 attached hereto and made a part of this permit.

PERMITTEE	NAME OF PERMITTEE AMOCO PRODUCTION COMPANY	SIGNATURE OF AUTHORIZED OFFICER 	DATE July 6, 1973
ISSUING OFFICER	NAME AND SIGNATURE  LARRY A. SOEHLIG	TITLE District Forest Ranger	DATE 7/2/73

(CONTINUED ON REVERSE)

2730-4 (7-71)



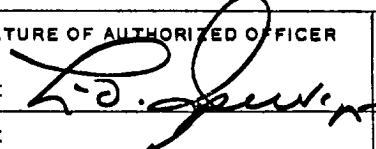
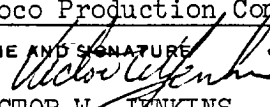
United States Department of Agriculture Forest Service  <b>AMENDMENT FOR SPECIAL USE PERMIT</b> Ref: FSM 2714	a. Record no. (1-2) 70 --	b. Region (3-4) 03 --	c. Forest (5-6) 02 --
	d. District (7-8) 03 --	e. Use number (9-12) 2724 ----	f. Kind of use (13-15) 420 ---
THIS AMENDMENT IS ATTACHED TO AND MADE A PART OF THE <input type="checkbox"/> TERM <input type="checkbox"/> ANNUAL PERMIT	g. State (16-17) 35 --	h. County (18-20) 039 ---	k. Card no. (21) 1 --

For Constructing, drilling and maintainint the Rosa #55 gas well and road issued to \_\_\_\_\_  
 Amoco Production Co. 501 Airport Drive Farmington, N.M. 87401, on 7/2/74  
(NAME OF PERMITTEE) (DATE OF PERMIT)

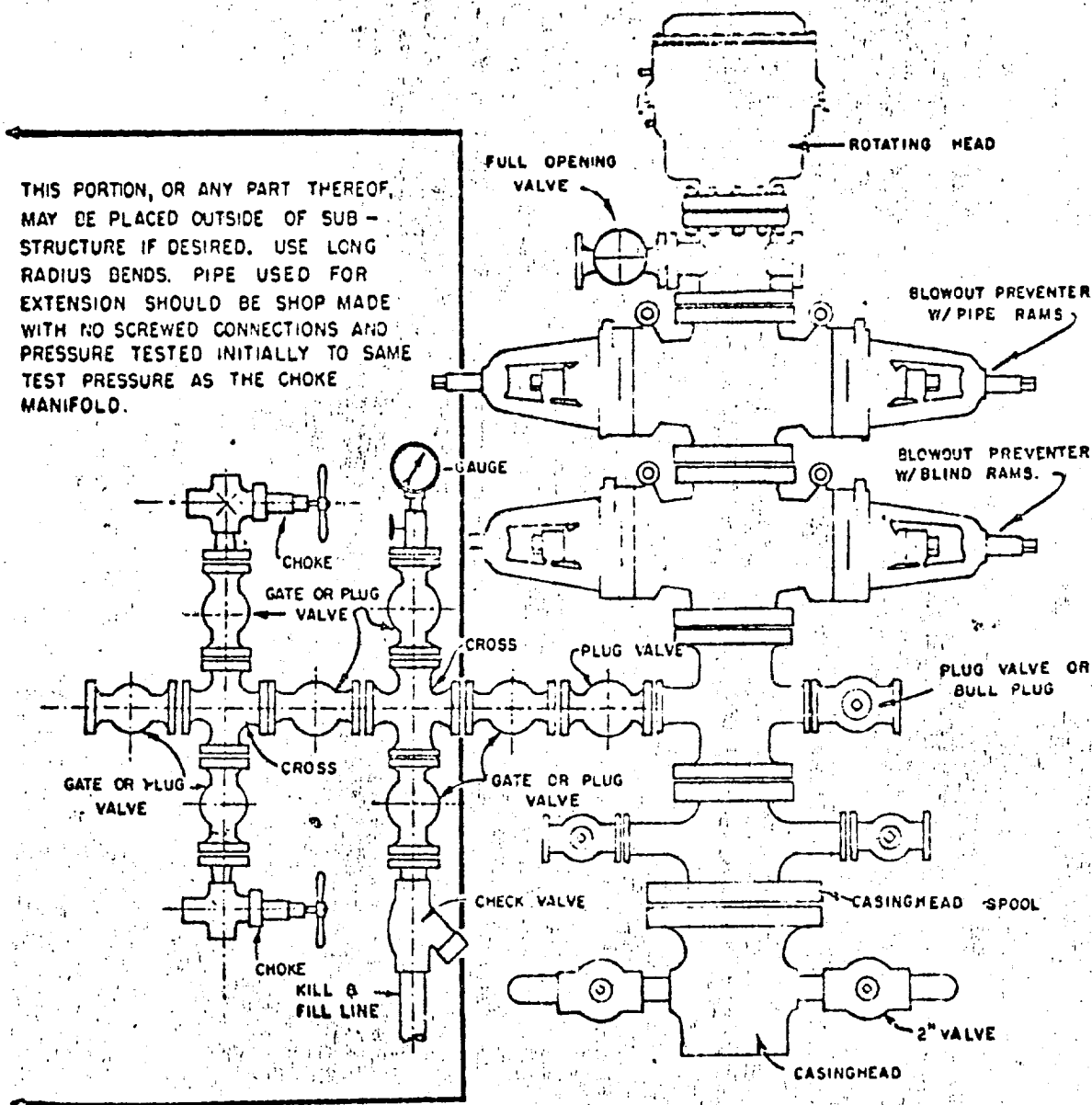
which is hereby amended as follows:

1. Construction or occupancy and use under this permit shall begin within one month and construction, if any shall be completed by September 30, 1974. This use shall be actually exercised at least 365 days each year, unless otherwise authorized in writing.

This Amendment is accepted subject to the conditions set forth herein, and to conditions same as permit to \_\_\_\_\_ attached hereto and made a part of this Amendment.

PERMITTEE	NAME OF PERMITTEE Amoco Production Company	SIGNATURE OF AUTHORIZED OFFICER 	DATE 5/22/74
	NAME AND SIGNATURE 	TITLE District Forest Ranger	DATE 5/9/74
ISSUING OFFICER	VICTOR W. JENKINS		

THIS PORTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF SUB-STRUCTURE IF DESIRED. USE LONG RADIUS BENDS. PIPE USED FOR EXTENSION SHOULD BE SHOP MADE WITH NO SCREWED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHOKE MANIFOLD.



## BLOWOUT PREVENTER HOOKUP

AMOCO PRODUCTION COMPANY

EXHIBIT D-4

OCTOBER 16, 1964

10-1000-4-20-1