

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

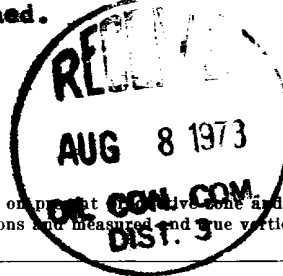
1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. SF 078768
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		7. UNIT AGREEMENT NAME Rosa Unit
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, New Mexico 87401		8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1585' FSL & 1575' FWL At proposed prod. zone Same		9. WELL NO. 54
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 53 miles northeast from Blanco, New Mexico		10. FIELD AND POOL OR WILDCAT Blanco MV-Basin Dakota
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1585'	16. NO. OF ACRES IN LEASE 2560	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE/4 SW/4 Section 36, T-31-N, R-5-W
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None	19. PROPOSED DEPTH 8300'	12. COUNTY OR PARISH Rio Arriba
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6800' ungraded CL		13. STATE New Mexico
22. APPROX. DATE WORK WILL START* August 1973		

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#	300'	300 sx
9-7/8"	7-5/8"	26.4#	3850'	600 sx
6-3/4"	4-1/2"	9.5#	8300'	600 sx - 2 stage

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

Copies of Location Plat, Development Plan, Topo map, location sketch, transportation sketch are attached.

Permit to use the National Forest has been approved. Four copies of the sub-operator designation from El Paso Natural Gas Company are attached.



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 SNELL TITLE Area Engineer DATE July 13, 1973

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE _____ DATE Aug 7 1973

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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.

WELL LOCATION AND ACREAGE DEDICATION PLAT

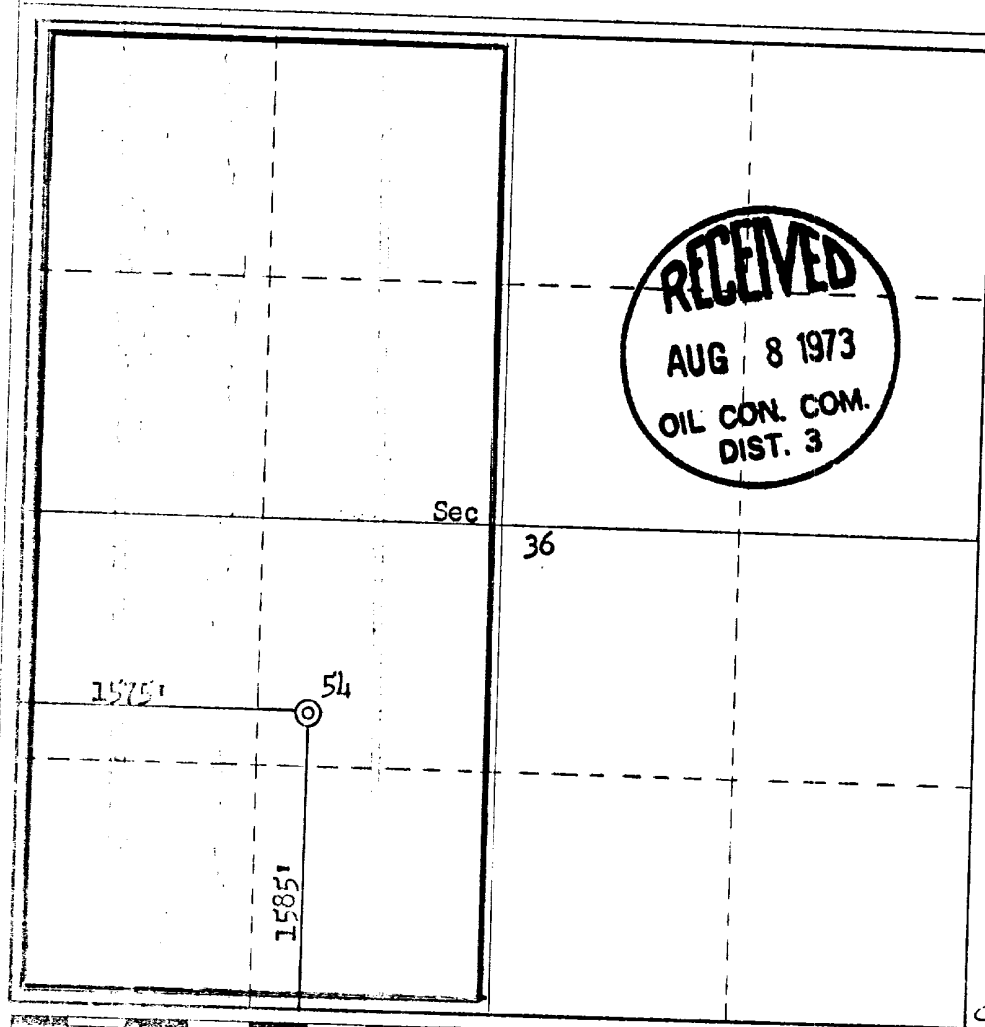
Supersedes G-128
Effective 1-1-65

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

Operator Amoco Production Company			Lease Rosa Unit		Well No. 54
Unit Letter K	Section 36	Township 31N	Range 5W	County Rio Arriba	
Actual Easting Location of Well: 1585' feet from the South line and 1575' feet from the West line					
Ground Level Elev. 6800	Producing Formation Dakota-Mesa Verde		Pool Basin Dakota-Blanco Mesaverde	Dedicated Acreage: 320 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.



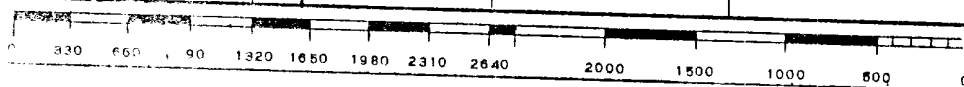
CERTIFICATION

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

Name
J. Arnold Snell
Position
Area Engineer
Company
AMOCO PRODUCTION COMPANY
Date
May 30, 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
May 10, 1973
Registered Professional Engineer
and/or Land Surveyor
Fred R. [Signature]
Certificate No.
3950



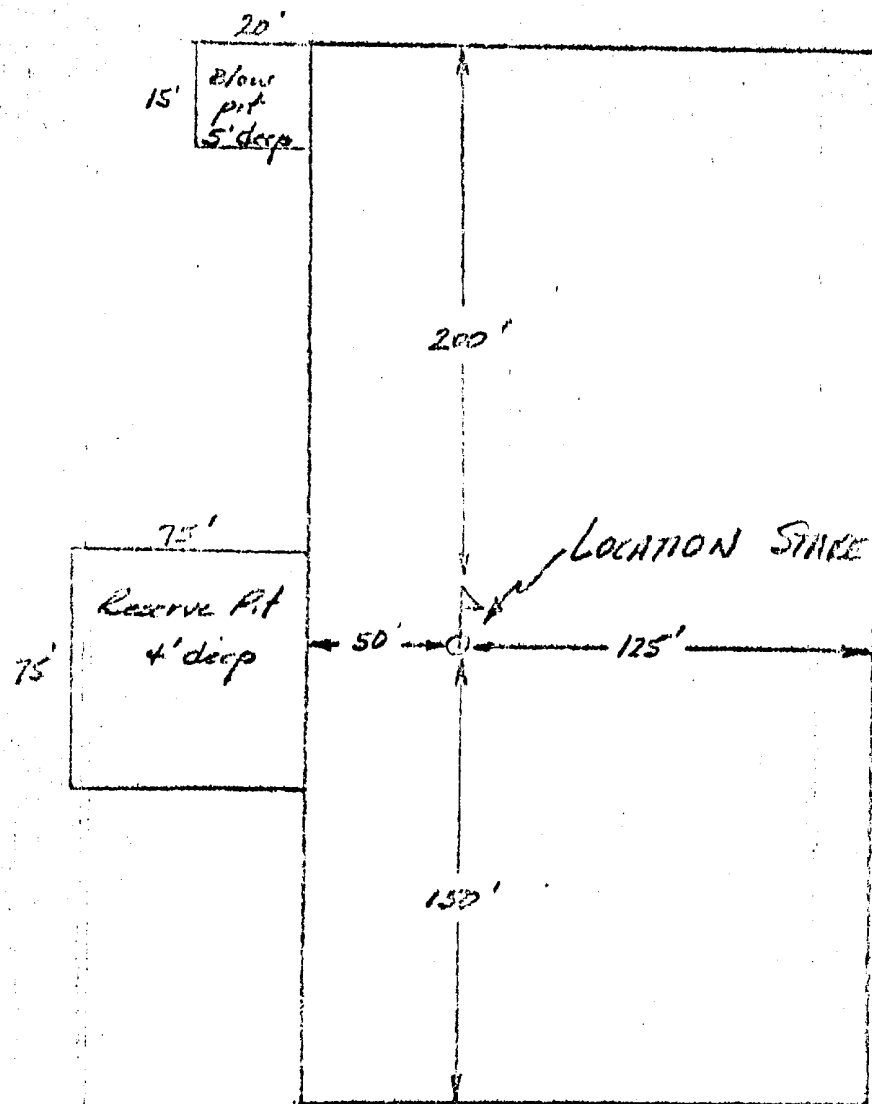
DEVELOPMENT PLAN
ROSA UNIT NO. 54

The location of the proposed well is near an existing forest road and only 0.6 mile of new road will have to be constructed. Three miles of existing road will be upgraded. 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 La Jara Bridge, a distance of eleven miles. Upon completion of the well the location will be cleaned, leveled and the reserve pits backfilled. The attached sketches show in detail the location of the proposed well.

[illegible]

Rosa Unit Well No. 54



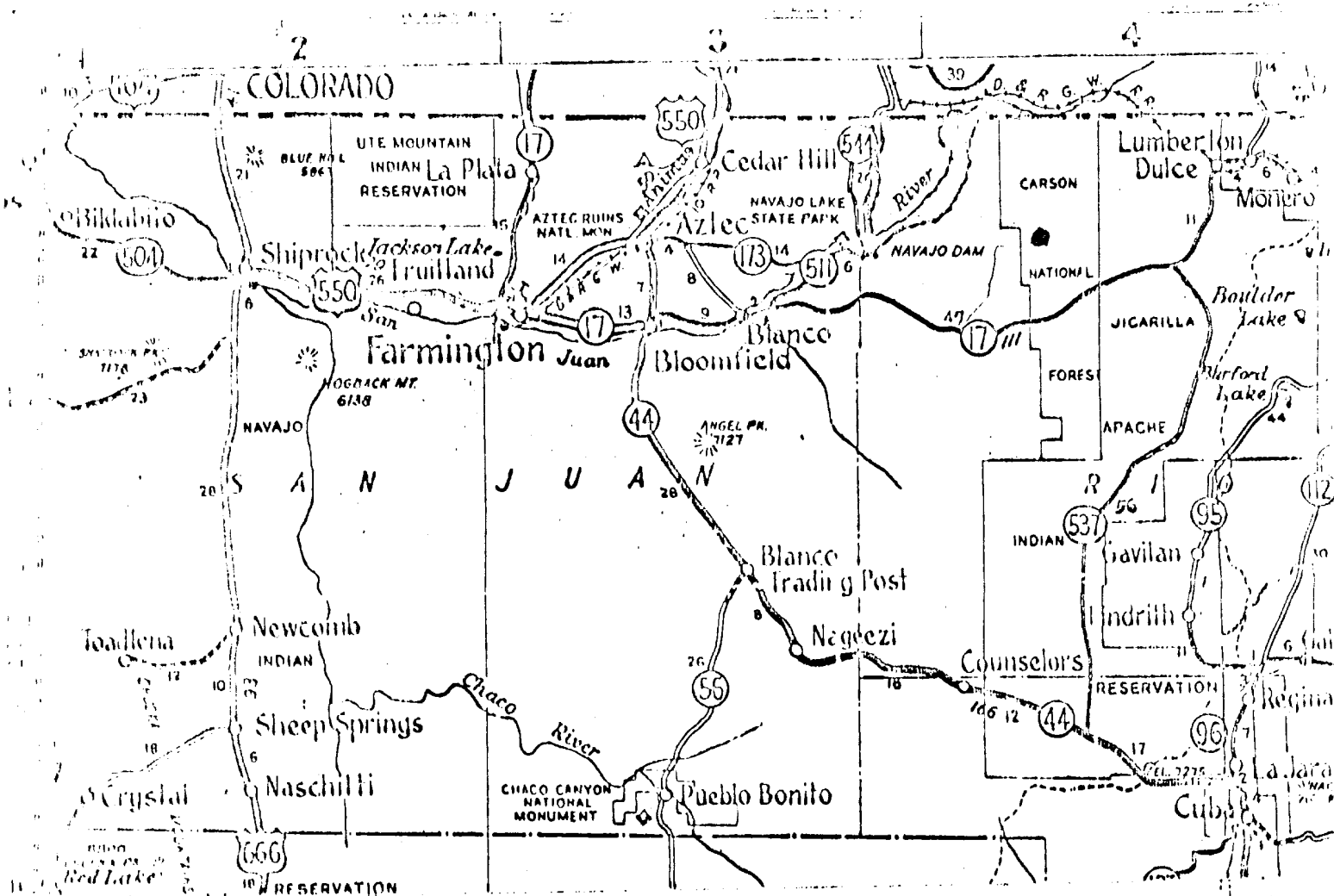
APPROXIMATELY 1.6 ACRES

Amoco Production Company

SCALE: 1" = 100'

Detailed LOCATION SPECIFICATION

DATE



FARMINGTON AREA
DENVER DIVISION
TRAFFIC SKETCH
Rosa Unit No. 54
Rio Arriba County, New Mexico

Rail Point, Aztec - 69.7 Miles
Mud Point, Aztec - 69.7 Miles
Cement Point, Farmington - 76.7 Miles

7-11-73

