

04 BLM-Farm

30-039-23520

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 1190' FSL x 101)' FWL
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
11 miles northeast of Gobernador, NM

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
1010'

16. NO. OF ACRES IN LEASE
2544.64

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

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
370' S

19. PROPOSED DEPTH
8470'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6620' GR

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS" PROPOSED CASING AND CEMENTING PROGRAM

22. APPROX. DATE WORK WILL START*
As soon as permitted
This action is subject to administrative appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF C. BING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14-3/4"	11-3/4'	48#	400'	472 cu. ft. Class B 2% CaCl2
7-7/8"	4-1/2'	11.6#	8470"	118 cu. ft. Class B Neat & 378 cu. ft. Class B, 2% gel, 50:50 poz., .2% FLA + 35% Silica Flour. Stage 2: 118 cu. ft. Class B Neat and 1675 cu. ft. Class B, 6% gel, 65:35 poz, 0.2% FLA

Amoco proposes to drill the above well to further develop the Basin Dakota/Undes. 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 true vertical depths. Give blowout prevention program, if any.

24. SIGNED BDS has TITLE Adm. Supervisor

(This space for Federal or State official use)
PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY _____

RECEIVED
AUG 09 1984

OIL CON. DIV.
OIL CON. DIV. NMOCC
DIST. _____

APPROVED
DATE 7-10-84
AS AMENDED
AUG 07 1984
DATE /s/ J. Stan McKee
AREA MANAGER
FARMINGTON RESOURCE AREA

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

All distances must be from the outer boundaries of the Section

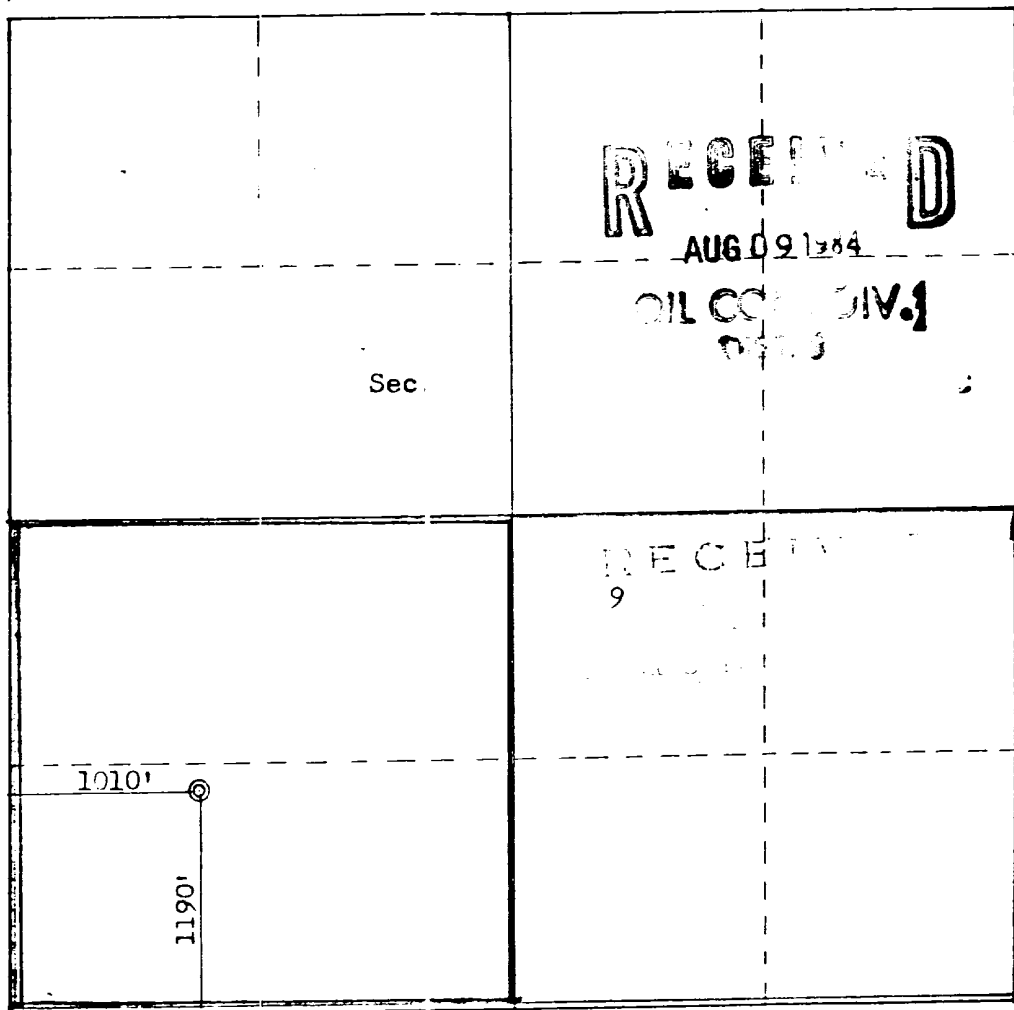
Operator AMOCO PRODUCTION COMPANY			Lease ROSA UNIT		Well No. 109
Unit Letter M	Section 9	Township 31N	Range 5W	County Rio Arriba	
Actual Footage Location of Well: 1190 feet from the South line and 1010 feet from the West line					
Ground Level Elev. 6620	Producing Formation Dakota/Gallup	Pool Basin Dakota/Undes. Gallup	Dedicated Acreage: 320/160 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 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.



Scale: 1"=1000'

CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>BDS Shaw</i>	
Name	B. D. Shaw
Position	Adm. Supervisor
Company	Amoco Production Co.
Date	7-10-84
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	December 7, 1983
Registered Professional Engineer and Land Surveyor	
<i>Fred B. Kerr Jr.</i> Fred B. Kerr Jr.	
Certificate No.	3950



Vicinity Map for
 AMOCO PRODUCTION CO. # ROSA UNIT
 1190' FSL 1010' FWL Sec. 9-T31N-R5W
 RIO ARRIBA COUNTY, NEW MEXICO

ROAD CLASSIFICATION

Photography by photogrammetric methods from aerial
 photography taken 1958 and 1962 Field Checked 1963
 1927 North American datum

191 1800017