

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
SUBMIT IN TRIPPLICATE
(ORIGINAL AND TWO COPIES)

Form approved.
Budget Bureau No. 42-R1425.

OIL CON. DN.

30-039-23530

LEASE DESIGNATION AND SERIAL NO.

SF078892

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

1820'

1210'

1720' FNL x 1150' FEL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

14 miles northwest of Gobernador

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1150'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

1 mile south

8730'

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

676' GR

22.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

PROPOSED CASING AND CEMENTING PROGRAM

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320/160

20. ROTARY OR CABLE TOOLS

Rotary

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 CASING	WEIGHT PER FOOT	SETTING DEPTH
14-3/4"	11-3/4"	42#, H-40	400'
7-7/8"	4-1/2"	11.6#, N-80	8,730'

470 ft3 Class B w/2% CaCl2
Stage 1) 830 ft3 Class B w/50:50
POZ, 6% gel, 2# med tuff plug/sx
and 0.8% FLA tail in w/118 ft3
Class B Neat
Stage 2) 1590 ft3 Class B 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.

19. 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

D.D. Lawson

SIGNED

TITLE Dist. Admin. Supervisor

APPROVED

DATE May 11, 1984

(This space for Federal or State office use)

APPROVED BY

APPROVAL DATE

AS AMENDED

AUG 17 1984

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

AREA MANAGER
FARMINGTON RESOURCE AREA

ch 2 7/11/84 for use

AMOCO

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

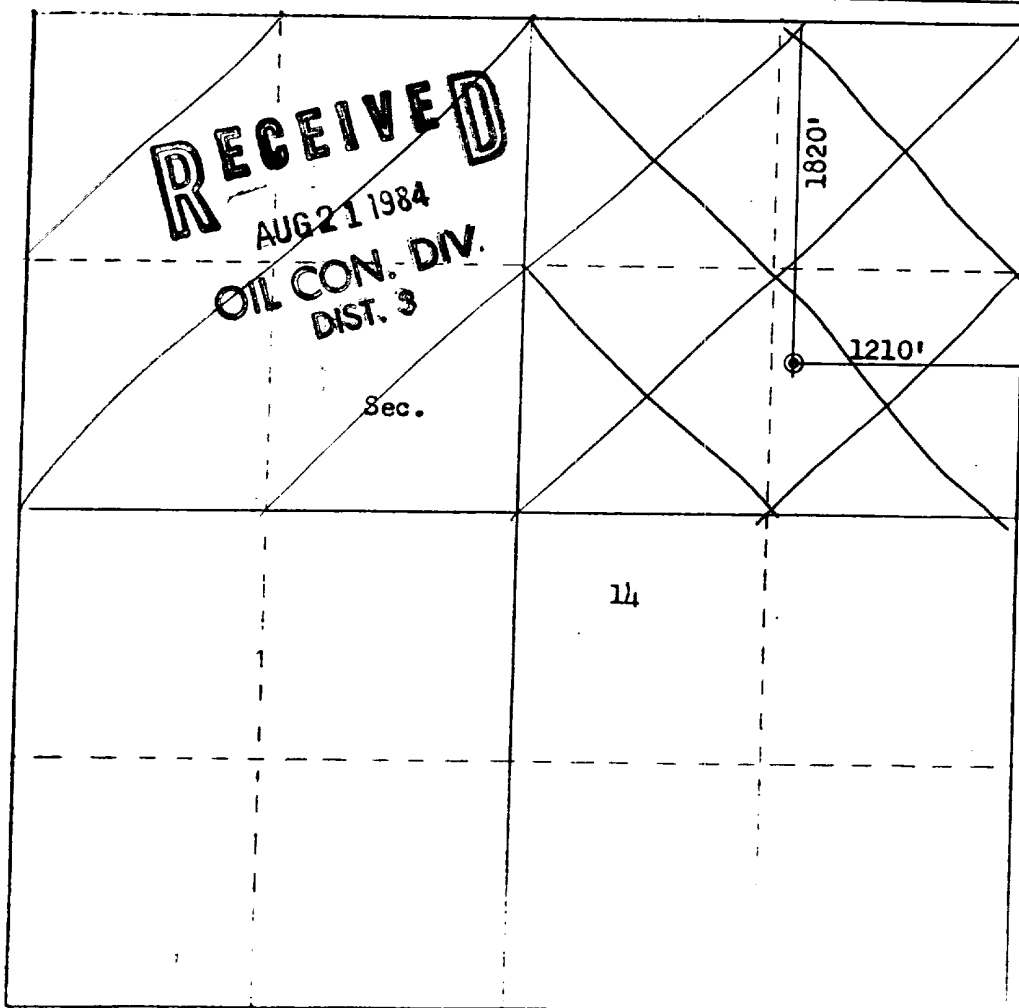
Operator AMOCO PRODUCTION COMPANY			Lease ROSA UNIT		Well No. 104
Unit Letter H	Section 14	Township 31N	Range 4W	County Rio Arriba	
Actual Footage Location of Well: 1820 feet from the North line and 1210 feet from the East line					
Ground Level Elev. 6764	Producing Formation Gallup/Dakota		Pool Undes. Gallup/Basin Dakota		Dedicated Acreage 160/320 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.	
Original Signed By B. D. Shaw	
Name	B. D. Shaw
Position	Administrative Supervisor
Company	Amoco Production Company
Date	6/11/84
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	June 6, 1984
Registered Professional Engineer and Land Surveyor Fred. S. Kerr Jr.	
Certificate No.	3950

