

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-R1425.

AUG 15 1983

5. LEASE DESIGNATION AND SERIAL NO.

SF-078771

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 1840' FSL x 790' FWL

At proposed prod. zone Same

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

11 miles northwest of Gobernador

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

790'

16. NO. OF ACRES IN LEASE

2560

17. NO. OF ACRES ASSIGNED

TO THIS WELL S 320/40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

6384

19. PROPOSED DEPTH

7814'

20. ROTARY OR CABLE TOOLS

Rotary

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

DRILLING OPERATIONS AUTHORIZED ARE 6267' GL

22. 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 280.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" (NEW)	48# H-40	400'	834 cu.ft. Class B w/2% CaCl2-circ.
*10-5/8"	8-5/8" (NEW)	32# K-55	3482'	1040 cu.ft. Class B w/50:50 POZ. Tail
7-7/8"	4-1/2"	11.6# N-80	7814'	in w/118 cu. ft. Class B neat - circ.

Amoco proposes to drill the above well to further develop the Basin Dakota and Undes. Gallup reservoirs. 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 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 attached drawing for blowout preventer design.

Stage 1) 742 cu.ft. Class B w/50:50 POZ, 6% gel, 2# med tuf plug/sx, and 0.8% FLA. Tail in w/118 cu. ft. Class B neat - circ.
Stage 2) 1964 cu.ft. Class B w/65:35 POZ, 6% gel, 2# med tuf plug/sx, and 0.8% FLA. Tail in w/118 cu.ft. Class "B" neat - circ.

DV tool set at 5600'.

Upon completion, the well location will be cleaned and the reserve pit filled and leveled.

Gas produced from this well is not dedicated.

* Intermediate casing is contingent upon whether high water flow is encountered.

18. 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.

21. Original Signed By

D. H. SHOEMAKER

TITLE District Engineer

SIGNED

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE 6-30-83

APPROVED

AS AMENDED

DATE AUG 11 1983

R. P. White

AREA MANAGER

FARMINGTON RESOURCE AREA

MADE

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-107
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

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

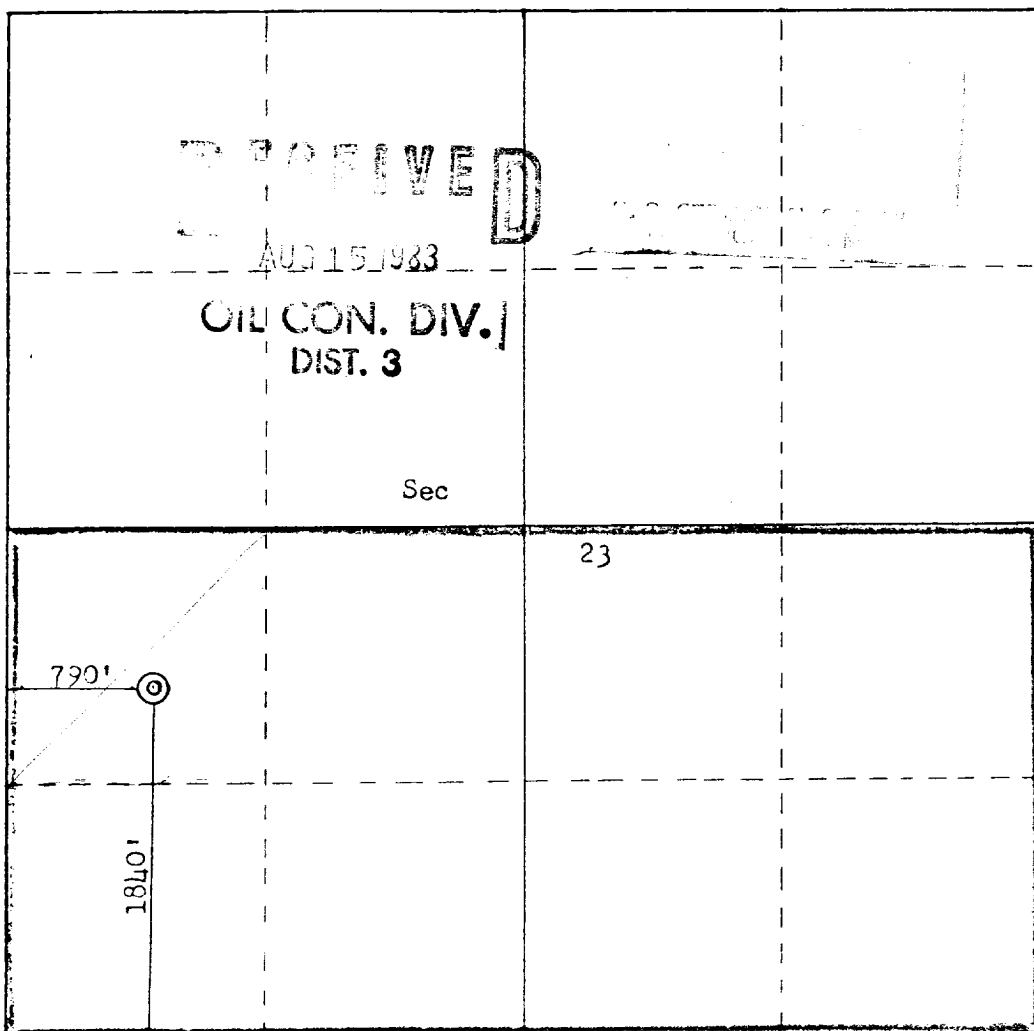
Operator Amoco Production Company			Lease Rosa Unit		Well No. 98
Unit Letter L	Section 23	Township 31N	Range 6W	County Rio Arriba	
Actual Footage Location of Well: 1840 feet from the South line and 790 feet from the West line					
Ground Level Elev: 6267	Producing Formation Dakota/Gallup		Pool Basin Dakota/ ^{WC} under. Gallup	Dedicated Acreage: 5 320/40 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.



Scale: 1"=1000'

CERTIFICATION

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

Name

D. H. Shoemaker

Position

District Engineer

Company

Amoco Production Company

Date

JUL 1 1983

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 15, 1983

Registered Professional Engineer
and Land Surveyor

Fred B. Kerr Jr.

Certificate No.

3950

