

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-23253

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL
OIL WELL ☒ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒

3. NAME OF OPERATOR
Amoco Production Company

4. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, NM 87401

5. LOCATION OF WELL (Report location clearly and in accordance with any State or other laws.)
At surface 910' FSL x 1740' FEL

At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
22 miles north of Counselors, NM

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 910'

16. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 2800'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6664' GL
DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

22. APPROX. DATE WORK WILL START*
As soon as permitted.

5. LEASE DESIGNATION AND SERIAL NO.

Jicarilla Contract 147

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla Contract 147

9. WELL NO.

9E

10. FIELD AND POOL, OR WILDCAT Basin
Undesignated Gallup/ Dakota

11. SEC., T., R., M., OR BLM.
AND SURVEY OR AREA

SW/SE, Section 7, T25N, R5W

12. COUNTY OR PARISH

13. STATE

Rio Arriba

New Mexico

RECEIVED
MAY 11 1983
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

16. NO. OF ACRES IN LEASE
2555.520

17. NO. OF ACRES ASSIGNED
TO THIS WELL
40/320 S319.51

19. PROPOSED DEPTH
7400'

20. ROTARY OR CABLE TOOLS
Rotary

This action is subject to administrative
appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	8-5/8"	24#	300'
7-7/8"	5-1/2"	15#	7400'

QUANTITY OF CEMENT
360 cu. ft. Class "B" neat w/2% CaCl
Tail in with 118 cu. ft. Class B neat
1848 cu. ft. Class B w/50:50 POZ, 6%
gel, 2# med tuf plug/sx, and .8% FL/

Amoco proposes to drill the above well to further develop the Undes. Gallup/Basin Dakota 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 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.

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

Gas produced from this well is not dedicated.

18. ALSO IN 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 features and measured and true vertical depths. Give blowout prevention program, if any.

Original Signed By

D. H. SHULMAKER

District Engineer

5/10/83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDED

JUL 06 1983

JAMES F. SIMS
DISTRICT ENGINEER

Acting Area Manager

NMOCC

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

Operator AMOCO PRODUCTION COMPANY			Lease JICARILLA CONTRACT 147		Well No. 9E
Unit Letter 0	Section 7	Township 25N	Range 5W	County Rio Arriba	
Actual Footage Location of Well: 910 feet from the South line and 1740 feet from the East line					
Ground Level Elev: 6664	Producing Formation Gallup Dakota		Pool wc Undesignated Gallup/Basin Dakota	Dedicated Acreage: 40/320 5.319.51 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 _____ JUL 7 - 1983

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____ OIL CON. DIV. DIST. 3

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.

Sec.		<div>RECEIVED MAY 11 1983 U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.</div>	
		<div>1740' 910'</div>	

Scale: 1"=1000'

CERTIFICATION

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

Dale H. Shoemaker

Name	DALE H. SHOEMAKER
Position	DISTRICT ENGINEER
Company	AMOCO PRODUCTION COMPANY
Date	4-15-83

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	April 4, 1983
Registered Professional Engineer and Land Surveyor	<i>Fred B. Kerr Jr.</i> Fred B. Kerr Jr.
Certificate No.	3950

SUPPLEMENTAL INFORMATION TO FORM 9-331C
Jicarilla Contract 147 No. 9E
910' FSL x 1740' FEL, Section 7, T25N, R5W
Rio Arriba County, New Mexico

The geologic name of the surface formation is the Paleozoic San Jose.

Estimated tops of important potential hydrocarbon bearing formations:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Pictured Cliffs	2832 '	3845 '
Mesaverde	4472 '	2205 '
Gallup	6162 '	515 '
Dakota (Main)	7162 '	-485 '

TD

7450 '

Estimated KB elevation: 6677 '.

RECEIVED

JUL 7-1983

OIL CON. DIV.
DIST. 3

Drilling fluid to TD will be a low solids non-dispersed mud system. Open hole logging program will include logs from TD to below surface casing:

FDC-CNL-GR

DIL-SP-GR

Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately 3 weeks.

Amoco's standard blowout prevention will be employed (see attached drawing).

