

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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JUL 13 1983

Form approved.  
Budget Bureau No. 42-R1425.

30-239-23250

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ DIST 3 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 1930' FNL x 2030' FWL  
At proposed prod. zone same

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

9 miles northwest of Lindrith, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 3250'

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2690'

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7195' GL

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	8-5/8" (NEW)	24# K-55	300'
7-7/8"	5-1/2" (NEW)	15.5# K-55	8066'

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

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

Gas produced from this well is dedicated to Gas Company of New Mexico under Contract No. 40,825.

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. SIGNED \_\_\_\_\_ TITLE District Engineer DATE 4/28/83

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED

DATE JUL 11 1983

JAMES F. SIMS  
DISTRICT ENGINEER

AMOCO

5. LEASE DESIGNATION AND SERIAL NO.  
Jicarilla Contract 125  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Jicarilla Apache  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
Jicarilla Apache Tribal 125  
9. WELL NO.  
13  
10. FIELD AND POOL, OR WILDCAT  
West Lindrith Gallup-Dakota  
11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
SE/NW, Section 25, T25N, R4W  
12. COUNTY OR PARISH  
Rio Arriba  
13. STATE  
New Mexico  
22. APPROX. DATE WORK WILL START\*  
As soon as permitted.

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

354 cu. ft. Class "B" w/2% CaCl2-circ. Stage 1 - 255 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 - 896 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 5910'.

OIL CONSERVATION DIVISION

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 JICARILLA APACHE TRIBAL 125		Well No. 13
Unit Letter F	Section 25	Township 25N	Range 4W	County Rio Arriba	
Actual Footage Location of Well: 1930 feet from the North line and 2030 feet from the West line					
Ground Level Elev. 7195	Producing Formation Gallup-Dakota	Pool West Lindrith Gallup-Dakota		Dedicated Acreage: 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 \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated on the 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.

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1930'		
2030'	Sec.	
25		

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

4-21-83

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 18, 1983

Registered Professional Engineer and Land Surveyor

*Fred B. Kerr Jr.*  
Fred B. Kerr Jr.

Certificate No.

3950

SUPPLEMENTAL INFORMATION TO FORM 9-331C

Jicarilla Apache Tribal 125 No. 13  
1930' FNL x 2030' FWL, Section 25, T25N, R4W  
Rio Arriba County, NM

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

Estimated tops of important potential hydrocarbon bearing formations:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Pictured Cliffs	3515 '	3693 '
Mesa Verde	5185 '	2023 '
Gallup	6795 '	413 '
Dakota	7670 '	-462 '
	'	'
TD	8066 '	-858

Estimated KB elevation: 7208 '.

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).

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OIL CON. DIV.  
DIST. 3

