

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐b. TYPE OF WELL
Oil ☒ GAS ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒2. NAME OF OPERATOR
Amoco Production Company3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, NM 874014. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 900' FNL x 960' FWL
At proposed prod. zone Same11. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
22 miles north of Counselors, NM15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drg. well line, if any) 900'18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR ABANDONED FOR, ON THIS LEASE, FT.
2550'21. ELEVATIONS (Show whether OF, RT, GR, etc.)
6705' GL
DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

25. PROPOSED CASING AND CEMENTING PROGRAM

30-039-23252

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.

5E

10. FIELD AND POOL, OR WILDCAT

Undesignated Gallup/Basin Dakota

17. SEC., T., R., M., OR BLM.

AND SURVEY OR AREA

NW/NW, Section 7,

T25N, R5W

19. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

17. NO. OF ACRES ASSIGNED TO THIS WELL

39.62 / N 39.29

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	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24# K-55	300'	360 cu ft class B neat w/2% CaCl ₂ .
7-7/8"	5-1/2"	15# K-55	7450'	Tail in w/118 cu ft class B neat.
				1925 cu ft class B w/50:50 poz, 6% gel, 2# med tuf plug/sx, and .8% FIA.

Amoco proposes to drill the above well to further develop the Undes. Gallup/Basin 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 prevention 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. AROUND THE WELL LOCATION: 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.

23.

SIGNED: District Engineer: 5-10-83

(This space for Federal or State order use)

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

DATE

JAMES F. SIMS

DISTRICT ENGINEER

Acting Area Manager

AMOCO

Form C-107
Revised 10-1-78

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

Operator AMOCO PRODUCTION COMPANY		Lease JICARILLA CONTRACT 147		Well No. 5E
Unit Letter D	Section 7	Township 25N	Range 5W	County Rio Arriba
Actual Footage Location of Well:				
900 feet from the North line and		960 feet from the West line		
Ground Level Elev. 6705	Producing Formation Gallup/Dakota	Pool WC Undesignated Gallup/Basin Dakota		Dedicated Acreage: 39.62 / 10319.29 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 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.)

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.

960'

900'

Sec. 7

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

Scale: 1"=1000'

CERTIFICATION

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

Oak H. Holmquist

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 February 9, 1983

Registered Professional Engineer
and Land Surveyor.

Fred B. Kerr Jr

Certificate No. 3950

SUPPLEMENTAL INFORMATION TO FORM 9-331C
Jicarilla Contract 147 No. 5E
900' FNL x 960' FWL, 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	2858 '	3860 '
Chacra	3728 '	2992 '
Mesaverde	4308 '	2410 '
Gallup	6218 '	500 '
Dakota (Graneros)	7078 '	-360 '

TD

7400

Estimated KB elevation: 6718 '.

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).

RECEIVED
JUL 7-1983
OIL CON. DIV.
DIST. 3

