

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 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
1040' FSL & 790' FEL Section 14, T25N, R5W
At proposed prod. zone
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
14-1/2 miles NNE of Counselor, New Mexico

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)
790'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.
551'

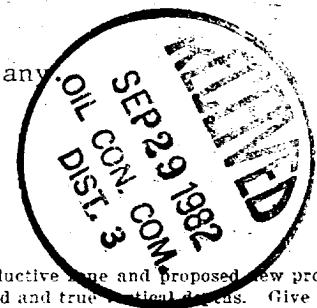
21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6861' GL

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" (New)	24# K-55	300'	372 cu. ft. class B w/2% CaCl ₂ -circ
7-7/8"	4-1/2" (New)	10.5# K-55	4083'	1386 cu. ft. class B 50:50 POZ, 6% ge 2# med tuf plug/sx and .8% FLA. Tail in w/89 cu. ft. class B Neat-circ.

Amoco proposes to drill the above well to further develop the Otero Chacra reserves. 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. A copy of all logs will be filed upon completion. Additional information required by NTL-6 for the application to drill and a multi-point surface use plan are attached.

The gas from this well is dedicated to El Paso Natural Gas Company.



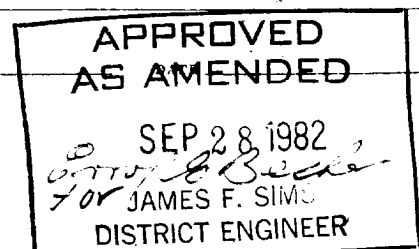
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Original Signed By
SIGNED D. H. SHOEMAKER TITLE District Engineer DATE 8-30-82

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:



NMGC

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

Operator AMOCO PRODUCTION COMPANY			Lease JICARILLA CONTRACT 148		Well No. 19
Unit Letter P	Section 14	Township 25N	Range 5W	County Rio Arriba	
Actual Footage Location of Well: 1040 feet from the South line and 790 feet from the East line					
Ground Level Elev. 6861	Producing Formation Chacra		Pool Otero Chacra	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. (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.

RECEIVED AUG 31 1982		RECEIVED SEP 29 1982 OIL CON. COM. DIST. 3	
Sec.		14	
		790'	
		1040'	
0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0			

CERTIFICATION

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

R. A. Downey
Name
R. A. DOWNEY

Position
DISTRICT ENGINEER

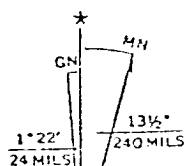
Company
AMOCO PRODUCTION COMPANY

Date
MAY 28, 1980

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
May 23, 1980
Registered Professional Engineer
and/or Land Surveyor
Fred B. Kerr Jr.
Certificate No.
3950

1. central zone



Vicinity Map for

AMOCO PRODUCTION COMPANY #19 JICARILLA CONTRACT 148

1040'FSL 790'FEL Sec. 14-T25N-R5M

RIO ARRIBA COUNTY, NEW MEXICO

UTM
De

AL MAP ACCURACY STAND