

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

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

301 Airport Drive, Farmington, New Mexico

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

At surface

2175' NW 1/4 & 2475' NW 1/4, Unit #1, Sec. 19, T. 29-N, R. 16-W

At proposed prod. zone

Same

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

9 miles southeast of Shiprock, New Mexico

15. DISTANCE FROM PROPOSED*

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

2175' N.

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40 (Joint)*

18. DISTANCE FROM PROPOSED LOCATION*

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

339' E.

19. PROPOSED DEPTH

810'

20. ROTARY OR CABLE TOOLS

Rotary 0 - TD

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

Will report later

22. APPROX. DATE WORK WILL START*

11-17-69

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-5/8"	7"	20#	80'	200 sk
6-1/4"	4-1/2"	10.5#	800'	300 sk

Well to be drilled to top of Dakota and 4-1/2" casing set. Completion will be open hole in Dakota by drilling out through casing.

Copy of Location Plat attached.

*This well will share allowable jointly with other well in this 40-acre lease per NMOC Order No. R-3296.

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

L. R. Chas

TITLE

Petroleum Engineer

DATE

11-10-69

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CA

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

NOV 12 1969

U.S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-126
Effective 1-1-65

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

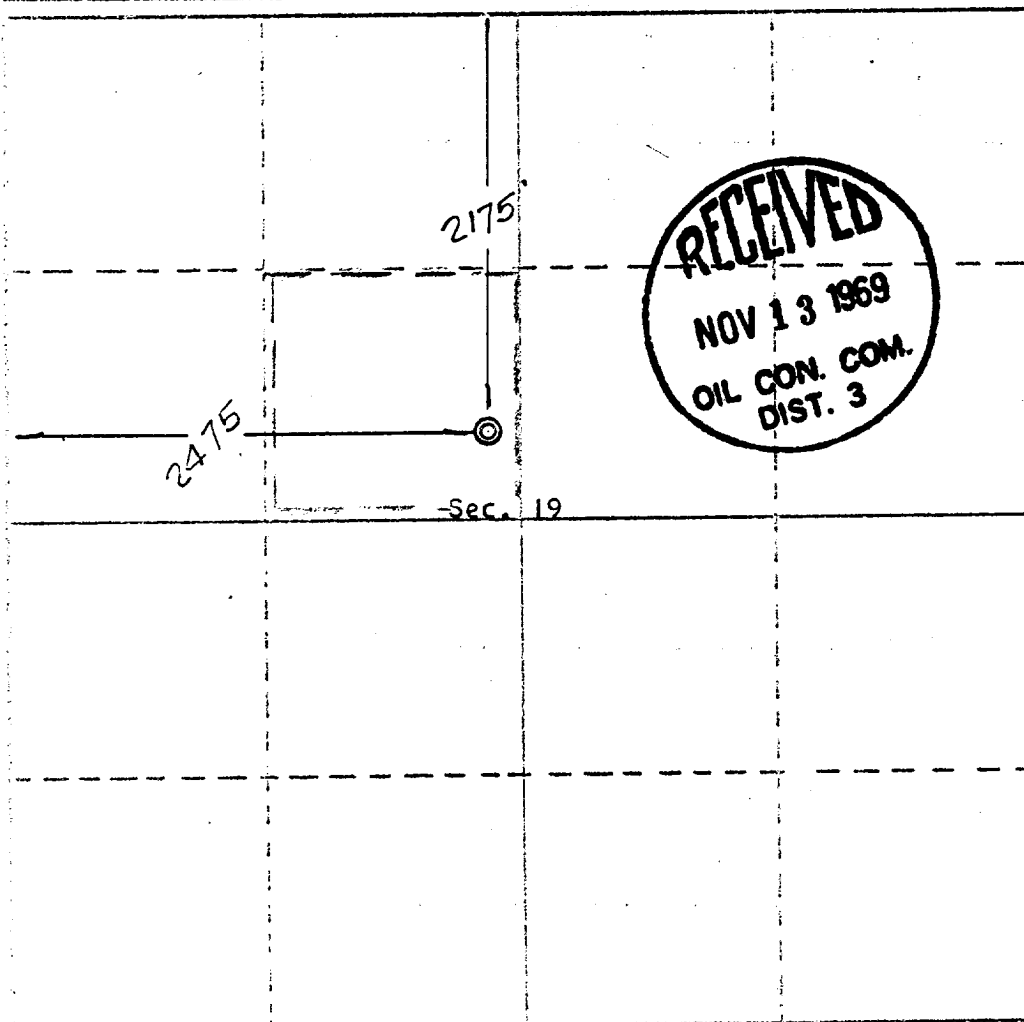
Operator PAN AMERICAN PETROLEUM CORPORATION		Lease U.S.G. Section 19		Well No. 31
Unit Letter F	Section 19	Township 29 North	Range 16 West	County San Juan
Actual Footage Location of Well: 2175 feet from the North line and 2475 feet from the West line				
Ground Elev. (feet) Report Later	Producing Formation Dakota	Pool Hogback	Dedicated Acreage: SE/4 NW/4 40 (Joint)	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 oil 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.



CERTIFICATION

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

Name L. R. Chism
 Position Petroleum Engineer
 Company Pan American Petr. Corp.

Date November 10, 1969

I hereby certify that the well location shown on this plat was determined from notes of actual surveys made by me or under my supervision, and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed November 5, 1969
 Registered Professional Engineer and/or Land Surveyor

E. J. Calkhoun
 Certificate No. 3602