

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

501 Airport Drive, Farmington, New Mexico

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

At surface

2050' FNL & 2050' FWL, Unit "F"

At proposed prod. zone

Same

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

30 miles south of Shiprock, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

2050' W

18. DISTANCE FROM PROPOSED LOCATION*

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

1768' SE

16. NO. OF ACRES IN LEASE

2560

19. PROPOSED DEPTH

6300'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160 (NW/4)

20. ROTARY OR CABLE TOOLS

Rotary

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

Will report later

22. APPROX. DATE WORK WILL START*

1-17-69

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/4"	13-3/8"	61#	100'	100 sx
11"	8-5/8"	32#	1500'	400 sx
7-7/8"	5-1/2"	15.5#	6300'	400 sx

Well to be drilled through Morrison water zones and 8-5/8" intermediate casing set.
Well is then to be drilled through Pennsylvanian "D" and completion designed from
open hole logs.

Copy of Location Plat attached.

RECEIVED

NOV 18 1969

U. S. GEOLOGICAL SURVEY

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. Chism

TITLE

Petroleum Engineer

DATE

11-7-69

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

M

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NEW MEMBER OF THE CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form No. 1
2-7-63 (Rev. 1-65)
Effective 1-65

For completion by the owner of the well and the owner of the land.

Operator PAN AMERICAN PETROLEUM CORPORATION		Location Navajo Tribal "U"		Well No. 12
Section 21	Township 26 North	Range 18 West	County San Juan	

Section 2050	Township North	Range 2050	County West
Report Later Pennsylvanian "D"		Tocito Dome Penn. "D"	
		Acres 160	NE/4

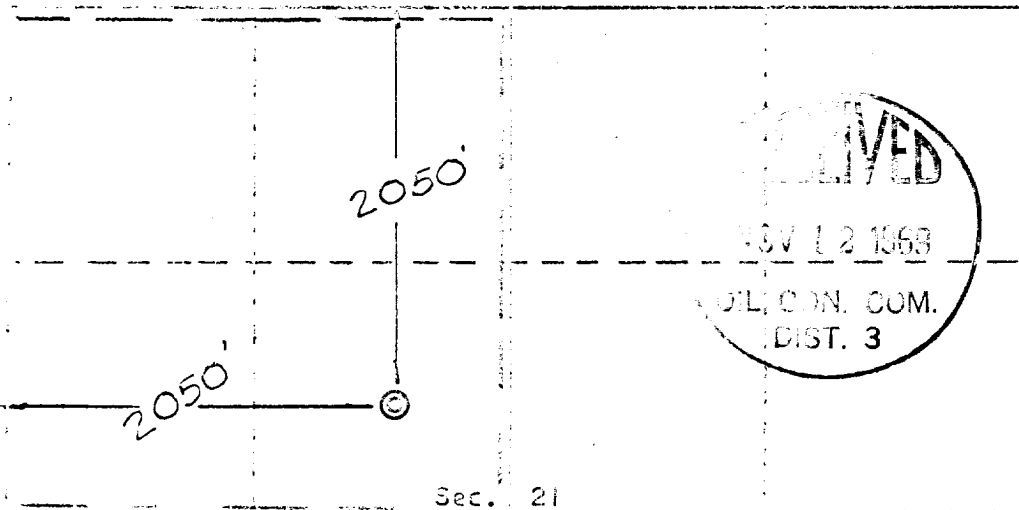
1. Outline the acreage dedicated to the subject well by dashed pencil or machine marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to existing and future interests).
3. If more than one lease of different ownership is 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 _____

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If answer is "No," list the owners and tract descriptions which have actually been consolidated (by communitization, unitization, force-pooling, or otherwise).

No acreage will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

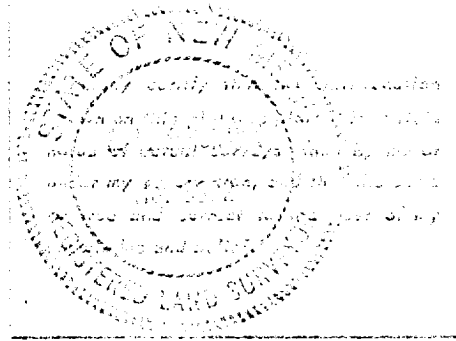


CERTIFICATION

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

L. R. Quinn

Name	Petroleum Engineer
Position	Pan American Petr. Corp.
Company	November 7, 1969
Date	



Date Certified	November 1, 1969
Registered Professional Engineer	E. J. Cawthorne

Certificate No. 3602