

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-5034
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribe
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 480, Farmington, New Mexico		8. FARM OR LEASE NAME Navajo Tribal "U"
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 660 FNL and 1980 FEL At proposed prod. zone		9. WELL NO. 4
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 22 Miles south of Shiprock, New Mexico		10. FIELD AND POOL, OR WILDCAT Tocito Dome Pennsylvanian
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. NW 1/4 NE 1/4 Section 21 "D" T-26-N, R-18-W
16. NO. OF ACRES IN LEASE 2560		12. COUNTY OR PARISH San Juan
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE New Mexico
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2800'		19. PROPOSED DEPTH 6500
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* March 13, 1965

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"	45.5	100	100 Sacks
11"	8-5/8"	26.5	1500	400 Sacks
7-7/8"	4-1/2"	17.5	6500	1100 Sacks

Copies of location plat are attached.

Copies of any logs run will be furnished upon completion of well.

Verbal approval received March 12, 1965, Dick Krah1 to Bob Easley.

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 Fred L. Nabors, District Engineer
F. H. HOLLINGSWORTH
SIGNED _____ TITLE _____ DATE March 15, 1965

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

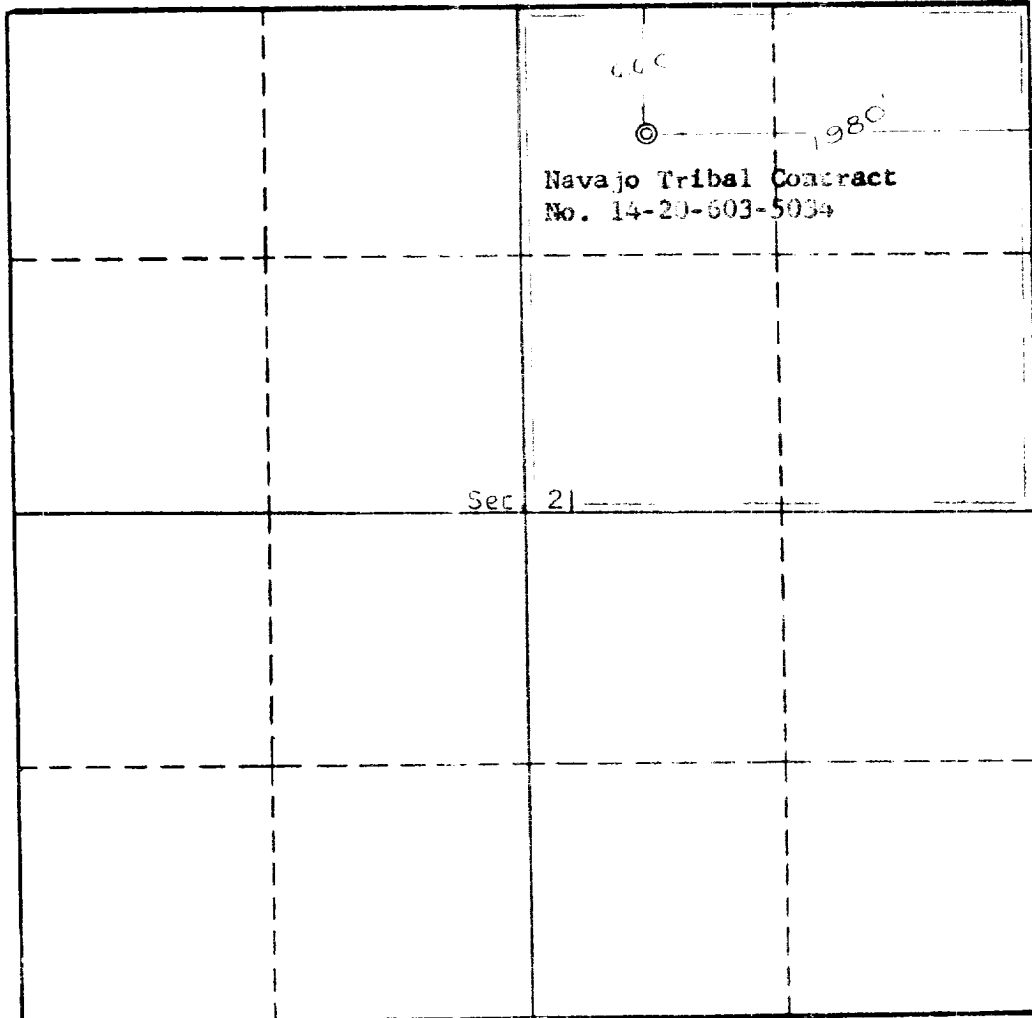
Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

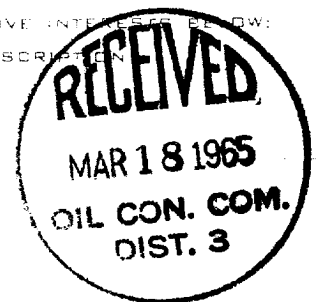
SECTION A
DATE **MARCH 15, 1965**
OPERATOR **Pan American Petroleum Corporation** TRACT **Navajo Tribal "U"**
WELL NO. **4** UNIT LETTER **3** SECTION **21** TOWNSHIP **26 North** RANGE **18 West** NMPM
LOCATED **660** FEET FROM **North** END **1980** FEET FROM **East** LINE
COUNTY **San Juan** SURV. ELEVATION **Report Later** DEDICATED ACREAGE **160** ACRES
NAME OF PRODUCING FORMATION **Pennsylvanian "D"** POOL **Tocito Dome Pennsylvanian "D"**

1. IS THE OPERATOR THE ONLY OWNER IN THE DEDICATED ACREAGE SHOWN ON THE PLAT BELOW? YES ☒ NO ☐
2. IF THE ANSWER TO QUESTION 1 IS "NO" HAVE ALL INTERESTS OF ALL THE OWNERS BEEN CONSOLIDATED BY COMMUNICIZATION AGREEMENT OR OTHERWISE? YES ☐ NO ☐ IF ANSWER IS "YES" TYPE OF CONSOLIDATION
3. IF THE ANSWER TO QUESTION 1 IS "NO" OR IF ALL THE OWNERS AND THEIR RESPECTIVE INTERESTS BELOW:
OWNER LAND DESCRIPTION

SECTION B.



Scale, 1 inch = 1,000 feet



THIS IS TO CERTIFY THAT THE INFORMATION IN SECTION A ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PAN AMERICAN PETROLEUM CORP.

OPERATOR
F. H. Hollingsworth
F. H. Hollingsworth

REPRESENTATIVE
Box 480
Farmington, New Mexico

ADDRESS

THIS IS TO CERTIFY THAT THE WELL LOCATION SHOWN ON THE PLAT IN SECTION B 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 **March 12, 1965**

FOUR STATES ENGINEERING CO.

FARMINGTON, NEW MEXICO

Edmund C. Edwards
REGISTERED ENGINEER OR
LAND SURVEYOR

CERTIFICATE NO. **3602**

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

Form C-102
Supersedes C-128
Effective 1-1-65

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

Operator PAN AMERICAN PETROLEUM CORPORATION			Lease Navajo Tribal "D"		Well No. 4
Unit Letter B	Section 21	Township 26-N	Range 18-W	County San Juan	
Actual Footage Location of Well: 660 feet from the North line and 1940 feet from the East line					
Ground Level Elev. 5674	Producing Formation Pennsylvanian "D"		Pool Tecite Dome		Dedicated Acreage: 320 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). **Single lease**
- 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.

660
0 - - - 1940 - - -

Navajo Tribal Contract
No. 14-20-603-5034

Section 21

Form C-102 Filed to Change Dedication from N¹/₄ to N¹/₂ due to Completion of Gas Well.

APR 15 1965
OIL CON. COM.
ST. 3

CERTIFICATION

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

ORIGINAL SIGNED BY
F. H. HOLLINGSWORTH

Name
F. H. Hollingsworth
Position
Petroleum Engineer
Company
PAN AMERICAN PETROLEUM CORPORATION
Date
April 12, 1965

I hereby certify that the well location shown on this plat is the true and correct location 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.

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

Date Surveyed
March 12, 1965
Registered Professional Engineer and/or Land Surveyor
Original Signed by E. V. Echobawk

Certificate No.
3602

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0