

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

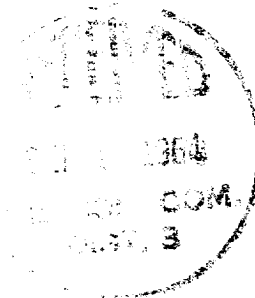
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-528 52234		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribe		
SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			7. UNIT AGREEMENT NAME		
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION			8. FARM OR LEASE NAME Navajo Tribal "B"		
3. ADDRESS OF OPERATOR P. O. Box 480, Farmington, New Mexico			9. WELL NO. 2		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 600 FGL and 1980 FEL At proposed prod. zone Same			10. To be BOOMER WILDCAT Pennsylvanian "I"		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 22 miles south of Shiprock, New Mexico			11. SEC. T. R. M. OR BLK. 34 4 24 Section 21 T-26, R-18W		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660		16. NO. OF ACRES IN LEASE 2560		17. NO. OF ACRES ASSIGNED TO THIS 100	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2640		19. PROPOSED DEPTH 6500		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) To be reported later				22. APPROX. DATE WORK WILL START* September 8, 1964	

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/4"	13-7/8"	4.8	100	100 sacks
11 "	9-5/8"	2.4	1500	400 sacks
7-7/8"	4-1/2"	10.5	6500	1100 (2 stage tool set 100' above DeChelly)

Completion will be as indicated upon reaching total depth.
Copies of any logs run will be furnished upon completion of well.
Copies of location plat are attached.



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. **Fred L. Labors, District Engineer**
ORIGINAL SIGNED BY
SIGNED **F. H. HOLLINGSWORTH** TITLE _____ DATE **August 28, 1964**

(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 **AUGUST 27, 1964**

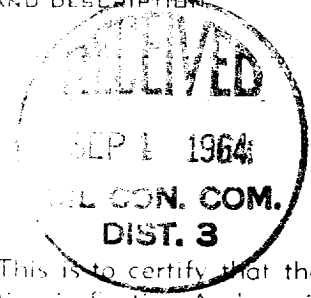
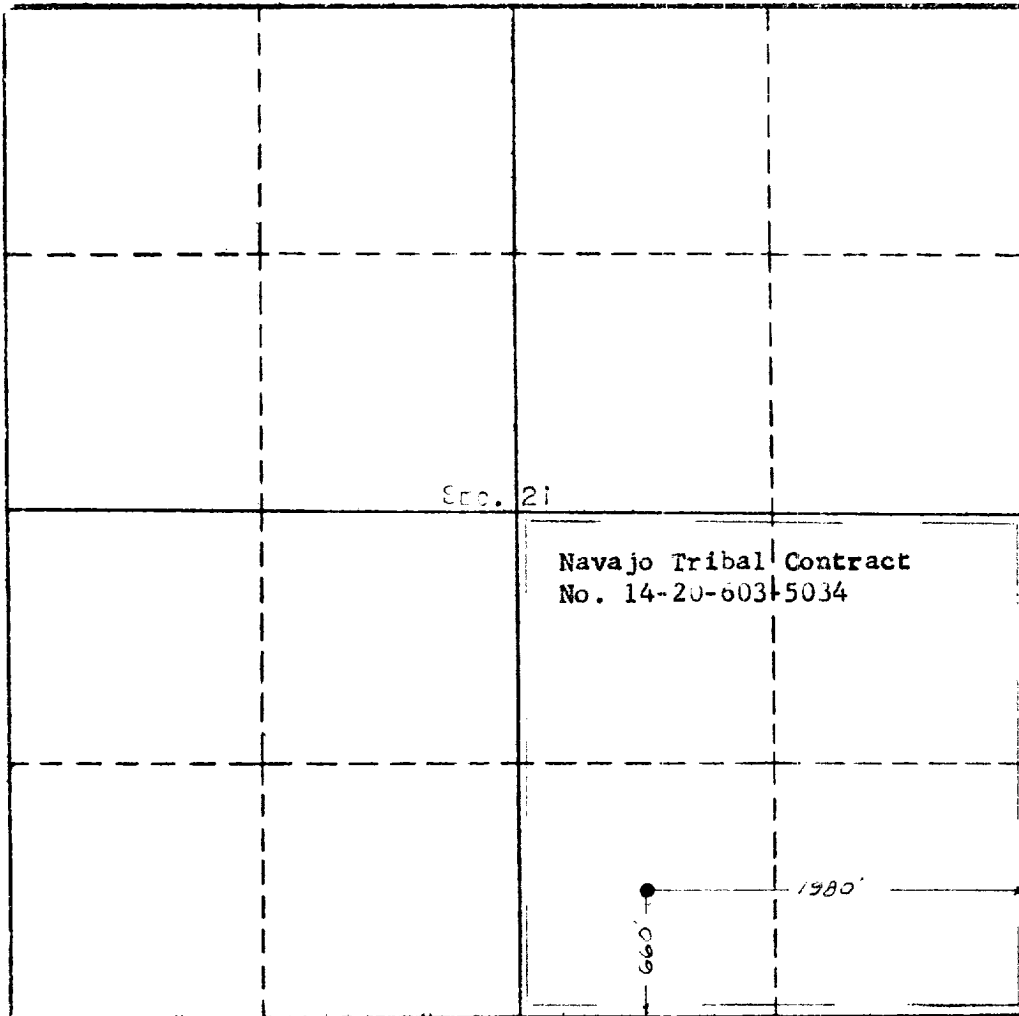
Operator **PAN AMERICAN PETROLEUM CORPORATION** Lease **NAVAJO TRIBAL "U"**
Well No **2** Unit Letter **0** Section **21** Township **25 NORTH** Range **18 WEST NMPM**
Located **650** Feet From **SOUTH** Line **1980** Feet From **EAST** Line
County **SAN JUAN** G. L. Elevation **REPORT LATER** Dedicated 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 outlined on the plat below? Yes No
2. If the answer to question One is "No," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes No If answer is "Yes," Type of Consolidation
3. If the answer to question Two is "No," list all the owners and their respective interests below:

OWNER

LAND DESCRIPTION

SECTION B.



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.

F. H. Hollingsworth OPERATOR

F. H. HOLLINGSWORTH
(REPRESENTATIVE)

P. O. 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 **AUGUST 25, 1964**

Four States Engineering Co.
FARMINGTON, NEW MEXICO

Thomas V. Lee Shank
REGISTERED ENGINEER OR
LAND SURVEYOR

Certificate No **3602**

