

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

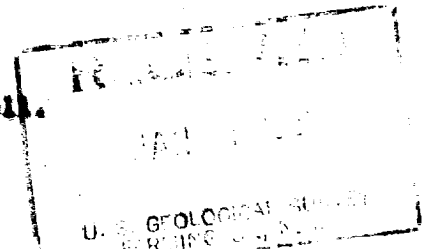
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐			5. LEASE DESIGNATION AND SERIAL NO. 1-149-IND-8478
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Allottee
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION			7. UNIT AGREEMENT NAME Calleguas Canyon Unit
3. ADDRESS OF OPERATOR P. O. Box 480, Farmington, New Mexico			8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 990' FSL and 1190' FWL At proposed prod. zone Same			9. WELL NO. 215
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 6 miles southeast of Farmington, New Mexico			10. FIELD AND POOL, OR WILDCAT Basin Dakota
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 990'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 30/4 30/4 Section 16, T-18-N, R-12-W
16. NO. OF ACRES IN LEASE 43,145.62			12. COUNTY OR PARISH San Juan
17. NO. OF ACRES ASSIGNED TO THIS WELL 330			13. STATE New Mexico
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 200' (PC)			19. PROPOSED DEPTH 6400'
20. ROTARY OR CABLE TOOLS Rotary			21. ELEVATIONS (Show whether DF, RT, GR, etc.) To be reported later
22. APPROX. DATE WORK WILL START* January 4, 1964			

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"	24#	350'	205 sacks
7-7/8"	4-1/2"	10.5#	6400'	1505 sacks (Two stage tool set 100' below base of Hawthorne)

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



Verbally approved December 29, 1963, R. B. Kuhl to F. H. Hollingsworth.

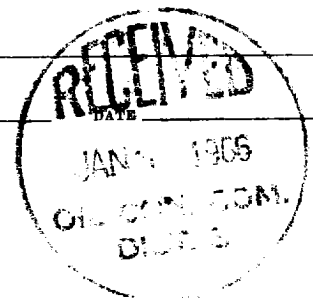
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

24.

SIGNED G. W. Eaton, Jr. TITLE Area Engineer DATE December 29, 1963
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY SEA TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



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

Form O-107
Supersedes O-120
Effective 1-1-67

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

Lessee Pan American Petroleum Corporation			Lease Gallegos Canyon Unit		Section 215
Map Sheet M	County 16	Township 28 North	Range 12 West	County San Juan	
Actual Well Location of Well:					
990		feet from the	South	1190	
feet from the			West	feet	
Report Later		Producing Formation Dakota		Pool Basin Dakota	Dedicated Acreage 320

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 Unitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

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.

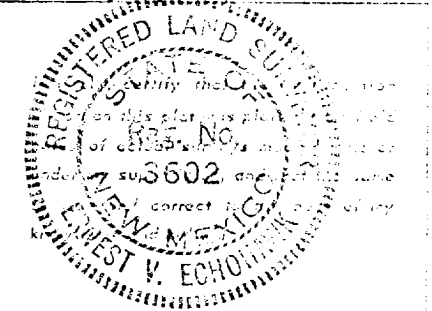
Sec. 16	
I-149-IND-8475	

CERTIFICATION

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

Name
G. W. Eaton, Jr.
G. W. Eaton, Jr.
Position
Area Engineer
Company
PAN AMERICAN PETROLEUM CORP.

Date
January 3, 1966



Date Surveyed
December 21, 1965
Registered Professional Land Surveyor
and/or Land Surveyor

E. V. Echo
Certificate No. **3602**