

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. SF-076902
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION		7. UNIT AGREEMENT NAME Callegos Canyon Unit Dakota
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' FNL and 990' FNL Section 4, T-27-N, R-12-W At proposed prod. zone Same		9. WELL NO. 178
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 10 Miles from Bloomfield, 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 drlg. unit line, if any) 990'	16. NO. OF ACRES IN LEASE 43,146.62	11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA N1/4, N1/4 Section 4, T-27-N, R-12-W
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4400'	19. PROPOSED DEPTH 6000'	12. COUNTY OR PARISH San Juan
21. ELEVATIONS (Show whether DF, RT, GR, etc.) Will report later.		13. STATE New Mexico
22. APPROX. DATE WORK WILL START* July 8, 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	250 Sacks
7-7/8"	4-1/2"	10.5#	6000	1450 Sacks*

*Cemented by two stage method with stage tool set 100' below base of Mesaverde.

Copies of location plat are attached.

Completion will be as indicated upon reaching total depth.

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

Verbal approval received July 2, 1964, Krahf to Hollingsworth.

RECEIVED

JUL 6 1964

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

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. Nabors, District Engineer**SIGNED **F. M. HOLLINGSWORTH**

TITLE

DATE **July 1, 1964**

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY **gm**

TITLE

CONDITIONS OF APPROVAL, IF ANY:

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ST. 3

*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.

Well Location and Acreage Unitization Plat

Section A.

July 3, 1964

Operator PAN AMERICAN PETROLEUM CORPORATION Lease GALLEGOS CANYON UNIT
 Well No. 178 Unit Letter D Section 4 Township 27 NORTH Range 12 WEST NMPM
 Located 990 Feet From the NORTH Line. 990 Feet From the WEST Line
 County SAN JUAN G. L. Elevation REPORT LATER Dedicated Acreage 320.48
 Name of Producing Formation Dakota Pool Basin Dakota

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
 Yes ☐ No ☒ X
2. If the answer to question one is "No", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ☒ X No ☐ If answer is "Yes", Type of Consolidation.

Gallegos Canyon Unit

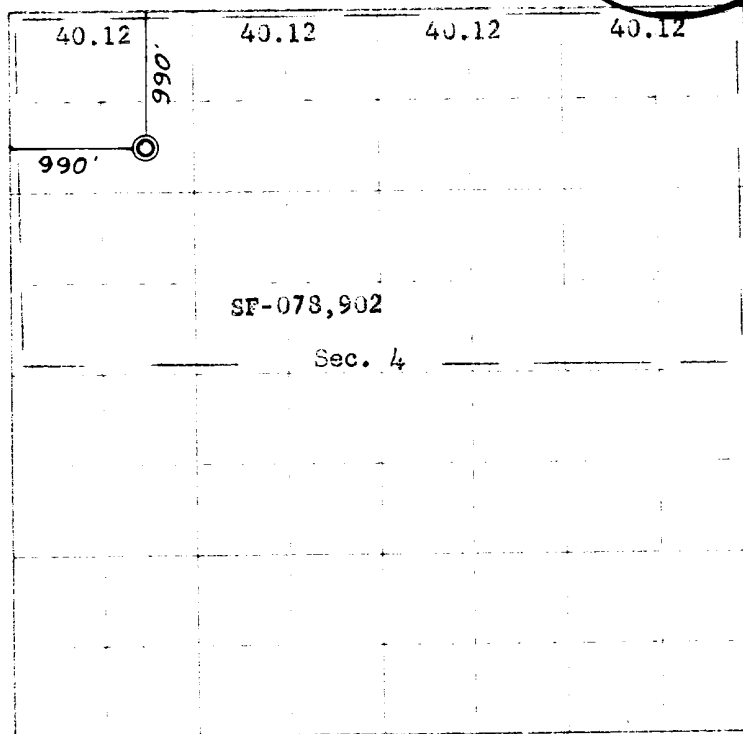
3. If the answer to question two is "No", list all the owners and their respective interests below.

OwnerLand Description

Section B.

Note: All distances must be from outer boundaries of section.

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 (Representative)Box 480(Address)Farmington, New Mexico

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

Scale 4 inches equal 1 mile

Ref: GLO plat dated 19 July 1915

This is to certify that the above plat was prepared from field 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 June 17, 1964

James P. Leese
 Registered Professional Engineer and Land Surveyor
 James P. Leese, N. Mex. Reg. No. 1463
 San Juan Engineering Company

