

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. Jicarilla Tribal 390
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 301 Airport Drive, Farmington, New Mexico 87401		8. FARM OR LEASE NAME Jicarilla Tribal 390
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 990' FWL & 1650' FWL, Unit "C" At proposed prod. zone Same		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 27 miles northwest of Cuba, New Mexico		10. FIELD AND POOL, OR WILDCAT Undesignated Farmington
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 990' N	16. NO. OF ACRES IN LEASE 1920	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW 1/4 Section 24, T-23-N, R-4-W
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3904' SE	19. PROPOSED DEPTH 3000'	12. COUNTY OR PARISH Sandoval
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7225' GL, 7236' NDB		13. STATE New Mexico
23. PROPOSED CASING AND CEMENTING PROGRAM		17. NO. OF ACRES ASSIGNED TO THIS WELL 160 (NW/4)
20. ROTARY OR CABLE TOOLS Rotary		22. APPROX. DATE WORK WILL START* January 1, 1969

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/8"	8-5/8"	24#	203'	200 sacks
8-3/4"	4-1/2"	9.5#	3000'	700 sacks

Well is producing an uneconomical volume of gas from the Pictured Cliffs and we plan to recomplete the well in the following manner:

1. Set a retainer at 2750' and squeeze the Pictured Cliffs zone with 50 sacks cement.
2. Perforate 2625-45' with 2 SPF.
3. Break down with 500 gallons acid and swab test.
4. If same indicates production, will frac with 10,000 pounds sand.

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 G. W. Long, Jr. TITLE Area Engineer DATE December 24, 1969

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

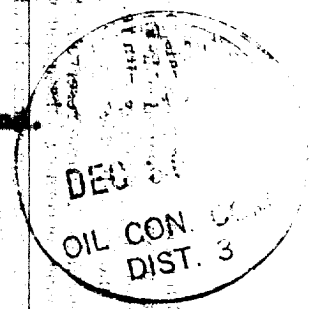
APPROVED

DEC 29 1969

JERRY W. LONG
DISTRICT ENGINEER

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.



RECEIVED

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.

☆ U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-396

APPROVED
JUN 2 1964
BUREAU OF LAND
MANAGEMENT