

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 ☒

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1015' FNL & 1540' FNL, Unit "B"

At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1015' N.

16. NO. OF ACRES IN

2523

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

5409' NW

19. PROPOSED DEPTH

6175'

20. ROTARY OR CABLE TOOLS

Rotary 0 - 6175'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5912' GL, 5924' RDB

22. APPROX. DATE WORK WILL START*

3-11-69

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#	373'	300 sacks
7-7/8"	4-1/2"	10.5#	6168'	1st Stage 370 sacks. DV Tool at 4938'. 2nd Stage 300 sacks. DV tool 2416'. 3rd Stage 350 sacks.

TD 6175'.

Perf Gallup 6107-17'. Frac with 30,000 gallons water and 30,000 pounds sand. Breakdown 1200 psi. Treat 3700 psi. Rate 30 BPM. Tested. Pumped 6 BG and 1 BW in 24 hours. GOR 2500.

In view of noncommercial test of Gallup, plan to plug back for completion attempt in Masaverde as follows:

1. Squeeze Gallup perforations with 50 sacks.
2. Perforate Masaverde 4775-99'. Frac with 30,000 gallons water and 30,000 pounds sand.

See Reverse Side

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. G. W. Eaton, Jr.

ORIGINAL SIGNED BY

SIGNED

G. W. Eaton, Jr.

TITLE

Area Engineer

DATE

March 7, 1969

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

MAR 10 1969

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

*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.

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

3. Set bridge plug at about 4700'. Perf. Mannville 4608-36' and 4653-83'. Free with 30,000 gallons water and 30,000 pounds sand.
4. Drill bridge plug.
5. Run tubing and test.

