

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐DEEPEN ☐

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:
1070' PGL X 1450' VEL, Section 10, T-26-N, R-4-W

At proposed prod. zone

Same

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

110 miles southeast of Bloomfield, New Mexico

10. DISTANCE FROM PROPOSED*

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

1070' S.

16. NO. OF ACRES IN LEASE

2567.94

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.

2180' W.

19. PROPOSED DEPTH

5900'

20. ROTARY OR CABLE TOOLS

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

GL 6796', RDS 6810'

22. APPROX. DATE WORK WILL START*

1-19-70

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	9-5/8"	36#	212'	200 sacks
8-3/4"	7"	20#	3680'	700 sacks
6-1/4"	4-1/2"	10.5#	7340'	500 sacks

Gallup production is uneconomical. We plan to abandon the Gallup and recompleate the Masaverde in the following manner:

1. Set retainer at about 5900' and squeeze Gallup with 150 sacks cement.
2. Perforate 5650-64', 5670-82' and 5694-5702' with 2 SPV.
3. Frac with 30,000 gallons water, 20,000 pounds 20-40 and 10,000 pounds 10-20 sand.
4. Perforate 5404-16' and 5494-5505' with 2 SPV.
5. Frac with 30,000 gallons water, 20,000 pounds 20-40 and 10,000 pounds 10-20 sand.
6. Perforate 5190-94', 5230-40', 5278-90', 5318-22' and 5338-44' with 2 SPV.
7. Frac with 40,000 gallons water, 25,000 pounds 20-40 and 15,000 pounds 10-20 sand.
8. Clean out to the retainer, swab in and test.

Unorthodox location approved per WMOCC Order No. R-3903.

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 _____

TITLE _____

Area Engineer

DATE _____

January 9, 1970

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

no
will need new C-101
Rings to finish

*See Instructions On Reverse Side

RECEIVED
JAN 12 1970
U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

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.