

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

Palmer Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2564, Billings, Montana 59103

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

At surface

825' FNL, 1150' FEL

At proposed prod. zone

same

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

Approximately 5 miles North of Ojito

15. DISTANCE FROM PROPOSED*

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

825'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

600.01

19. PROPOSED DEPTH

6420'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320.00 315.92

20. ROTARY OR CABLE TOOLS

Rotary

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

7245' GL

22. APPROX. DATE WORK WILL START*

February 1, 1978

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#	300'	300 sx
8-3/4"	7"	20#	4050'	250 sx
6-1/4"	4-1/2"(new)	10.5#	6420'	600 sx

- Palmer Oil & Gas Company will drill a 6420' Mesaverde test in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 4, Township 26 North, Range 2 West.
- Well to be drilled by rotary tools. Set 300' of 9-5/8" casing and cement to surface; drill 8-3/4" hole to 4050' and set 7" casing. Gas drill 4050' to T.D. and run 4 $\frac{1}{2}$ " casing.
- IES and Porosity Logs will be run at T.D. All potential zones will be analyzed from surface to total depth, and if potentially commercial, 4 $\frac{1}{2}$ " casing or liner will be set, cemented and perforated.
- After perforating, the productive zones will be fractured, if necessary.
- Survey plat attached.
- Spacing unit will be the N $\frac{1}{2}$ of Section 4.
- Gas is not dedicated.

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

Robert D. Ballantyne

TITLE

Drilling Superintendent

DATE

1/17/78

(This space for Federal or State office use)

PERMIT NO.

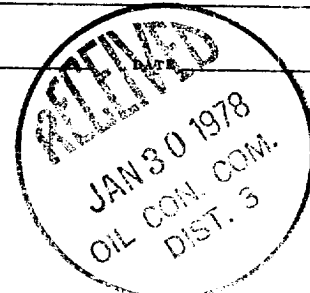
APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

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

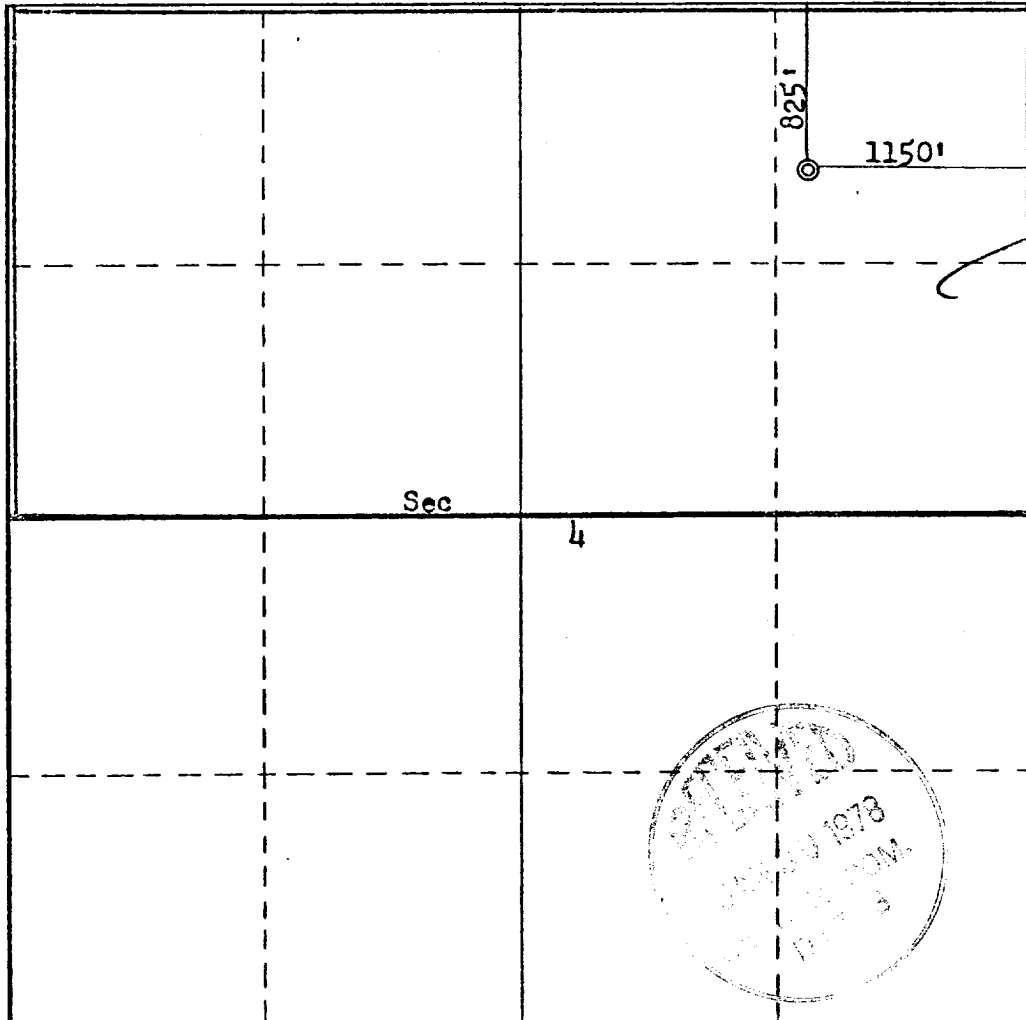
Operator Palmer Oil & Gas Company			Lease Federal		Well No. 5
Unit Letter A	Section 4	Township 26N	Range 2W	County Rio Arriba	
Actual Footage Location of Well: 825' feet from the North line and 1150' feet from the East line					
Ground Level Elev. 7245	Producing Formation Mesa Verde		Pool Blanco-Mesaverde ext	Dedicated Acreage: 320.00 ^{315 92} Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 _____

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

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name L. C. Campbell
 Position Land Manager
 Company PALMER OIL & GAS COMPANY
 Date January 17, 1978

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed January 7, 1978
 Registered Professional Engineer, and/or Land Surveyor
Fred B. Kerr Jr.
 Certificate No. 3950

