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NEW MEXICO OIL CONSERVATION COMMISSION

30-045-22803
Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name Federal	
2. Name of Operator Palmer Oil & Gas Company		9. Well No. 4	
3. Address of Operator P. O. Box 2564, Billings, Montana 59103		10. Field and Pool, or Wildcat Undesignated PC and S. Los Pinos Fruitland Ext.	
4. Location of Well UNIT LETTER <u>P</u> LOCATED <u>1190</u> FEET FROM THE <u>South</u> LINE AND <u>600</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>3</u> TWP. <u>31N</u> RGE. <u>7W</u> NMPM		12. County San Juan	
18. Proposed Depth 3700'		19A. Formation Pictured Cliffs	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DE, RT, etc.) 6588' GRD	
21A. Kind & Status Plug. Bond Blanket		22. Approx. Date Work will start December 31, 1977	

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"	24#	250'	225 sx	
7-7/8"	5-1/2"	14#	3700'	600 sx	

- Palmer will drill a 3700' Pictured Cliffs well in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 3-T31N-R7W.
- Well to be drilled by rotary tools. Set 250' of 8-5/8" casing and cement to surface; drill 7-7/8" hole to total depth.
- IES and Porosity Logs will be run at T.D. All potential zones will be analyzed from surface to T.D., and if potentially commercial, 5 $\frac{1}{2}$ " casing will be set, cemented and perforated.
- After perforating, the productive zones will be fractured, if necessary.
- The gas is dedicated.
- Spacing unit comprises the E $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 3 and W $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 2.
- A Shaffer 8" - 3000' BOP with blind and pipe rams to be used.
- Survey plat attached.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed James G. Routson Title Petroleum Engineer Date 11-28-77
(This space for State Use)

APPROVED BY AR Kendrick TITLE STATE ENGINEER DIST. 3 DATE DEC 1 1977
CONDITIONS OF APPROVAL, IF ANY:

NWU R-5364

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-55

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

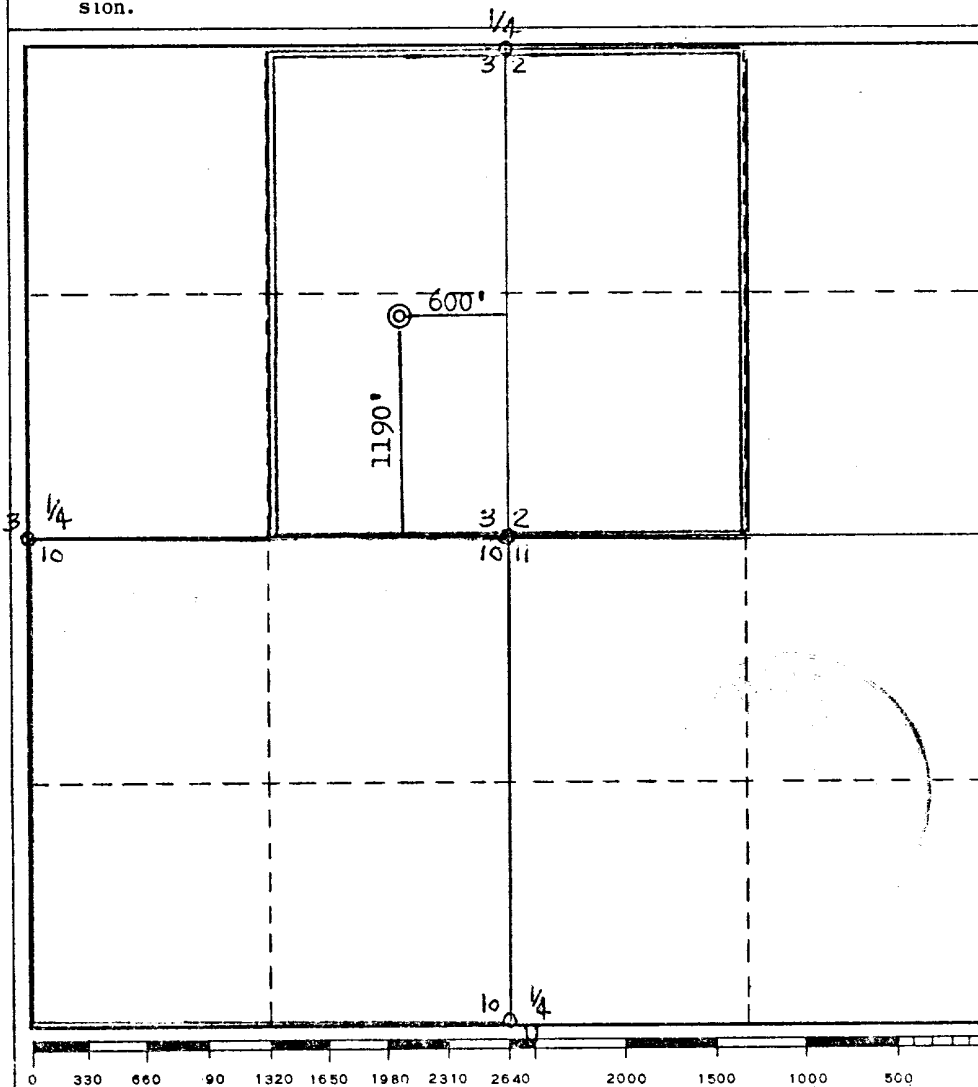
Operator Palmer Oil & Gas Company			Lease Federal		Well No. 4
Unit Letter P	Section 3	Township 31N	Range 7W	County San Juan	
Actual Footage Location of Well:					
1190	feet from the	South	line and	600	feet from the
					East
Ground Level Elev. 6588	Producing Formation Pictured Cliffs		Pool Undesignated PC and S. Los Pinos Fruitland Extension		Dedicated Acreage: 160.00 Acres

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

James G. Routson

Name
James G. Routson

Position
Petroleum Engineer

Company
PALMER OIL & GAS COMPANY

Date
11-28-77

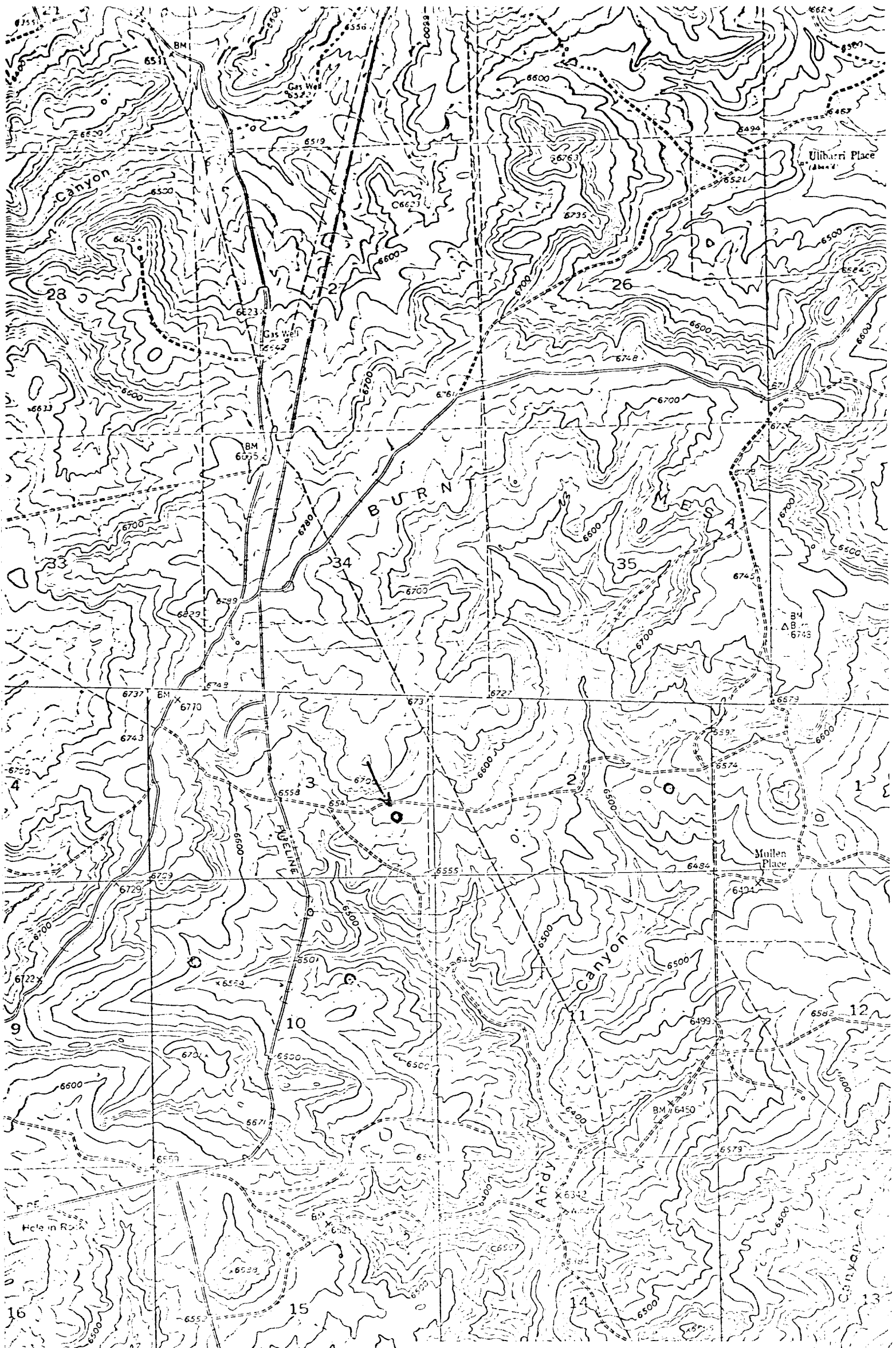
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
October 15, 1977

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No.
3950



Vicinity Map for
PALMER OIL & GAS CO. #4 FEDERAL
1190'FSL 600'FEL Sec 3-T31N-R7W
San Juan County, New Mexico