

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>SF 080781</b>
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR <b>PAN AMERICAN PETROLEUM CORPORATION</b>		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR <b>501 Airport Drive, Farmington, New Mexico 87401</b>		8. FARM OR LEASE NAME <b>Cerk Gas Com "C"</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface <b>1503' FWL &amp; 1190' FWL</b> At proposed prod. zone <b>Same</b>		9. WELL NO. <b>1</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>12 miles southeast of Bloomfield, New Mexico</b>		10. FIELD AND POOL, OR WILDCAT <b>Astec Pictured Cliffs</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>1190'</b>	16. NO. OF ACRES IN LEASE <b>407.36</b>	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NE/4 Section 30, T-29-N, R-9-W</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>689'</b>	19. PROPOSED DEPTH <b>2200'</b>	12. COUNTY OR PARISH <b>San Juan</b>
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>Will report later</b>		13. STATE <b>New Mexico</b>
22. APPROX. DATE WORK WILL START* <b>2-15-70</b>		

## 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#	200'	200# ex
6-3/4"	4-1/2"	9.5#	2200'	375# ex

Well to be drilled thru Pictured Cliffs and completion designed from open hole logs.

Copy of location plat attached.

**RECEIVED****JAN 16 1970**U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

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 BY <b>G. W. Eaton, Jr.</b>			TITLE <b>Area Engineer</b>	DATE <b>January 15, 1970</b>
SIGNED _____				
(This space for Federal or State office use)				
PERMIT NO. _____		APPROVAL DATE _____		
APPROVED BY 		TITLE _____		DATE _____
CONDITIONS OF APPROVAL, IF ANY:				

## 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.

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

Form C-102  
Supersedes C-128  
Effective 1-4-65

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

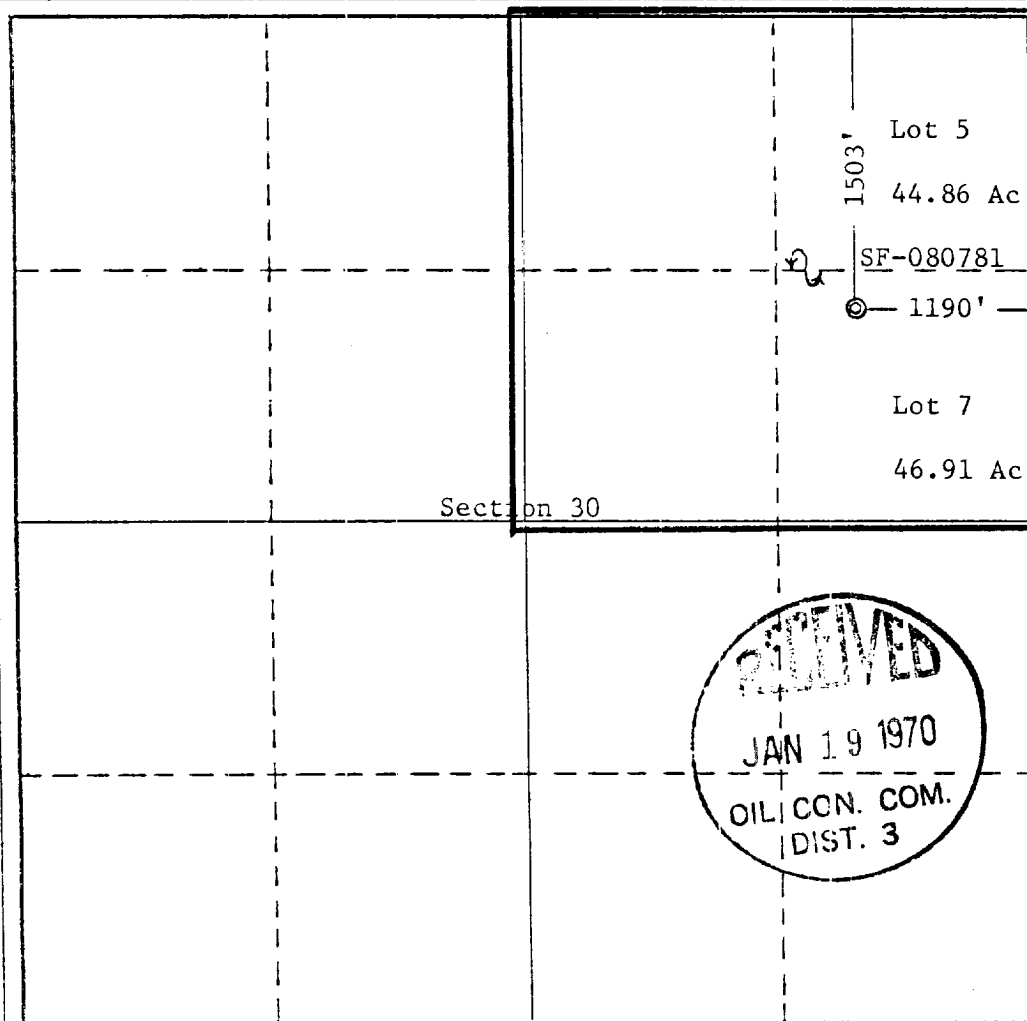
Operator <b>Pan American Petroleum Corporation</b>			Lease <b>Gerk Gas Com "C"</b>		Well No. <b>1</b>
Unit Letter <b>H</b>	Section <b>30</b>	Township <b>29-North</b>	Range <b>9-West</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1503</b> feet from the <b>North</b> line and <b>1190</b> feet from the <b>East</b> line					
Ground Level Elev. <b>Report Later</b>	Producing Formation <b>Pictured Cliffs</b>		Pool <b>Aztec Pictured Cliffs</b>		Dedicated Acreage: <b>171.77</b> 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 To be communitized

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 G. W. Eaton, Jr.  
 Position Area Engineer  
 Company PAN AMERICAN PETROLEUM CORP.  
 Date January 14, 1970

*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 December 17, 1969  
 Registered Professional Engineer and/or Land Surveyor  
 Original signed by:  
James P. Lease

Certificate No. 1463

