

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. L-89-114-38	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribe	
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 301 Airport Drive, Farmington, New Mexico 87401			8. FARM OR LEASE NAME U.S.G. Section 19	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1485' FWL & 2475' FWL At proposed prod. zone has changed its name to AMOCO PROD. CO.			9. WELL NO. 30	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 9 miles southeast of Shiprock, New Mexico			10. FIELD AND POOL, OR WILDCAT Dogback Dakota	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 145'			11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Section 19, T-29-N, R-16-W	
16. NO. OF ACRES IN LEASE 4160			12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40 (Joint)			13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 234'			14. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) Will report later			22. APPROX. DATE WORK WILL START* March 9, 1968	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9-5/8"	7"	20#	60'	To surface
6-1/8"	4-1/2"	10.5#	800'	135 sacks

Operator plans to set 4-1/2" casing at top of Dakota, drill into Dakota pay sand, and complete in open hole.

Copies of Location Plat attached.

Copies of logs will be furnished upon completion of well if logged.

This well in accordance with MDOC Order No. R-3296.

Verbally approved March 6, 1968 by M. L. Seelinger of the U.S.G.S. and Mr. Edward J. Abel of the U. S. Department of Interior National Park Service.

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
SIGNED G. W. Eaton, Jr. TITLE Area Engineer DATE March 7, 1968

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE _____ DATE MAR 8 1968
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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

NEW MEXICO OIL AND GAS COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form No. 1-120
Effective 1-1-66

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

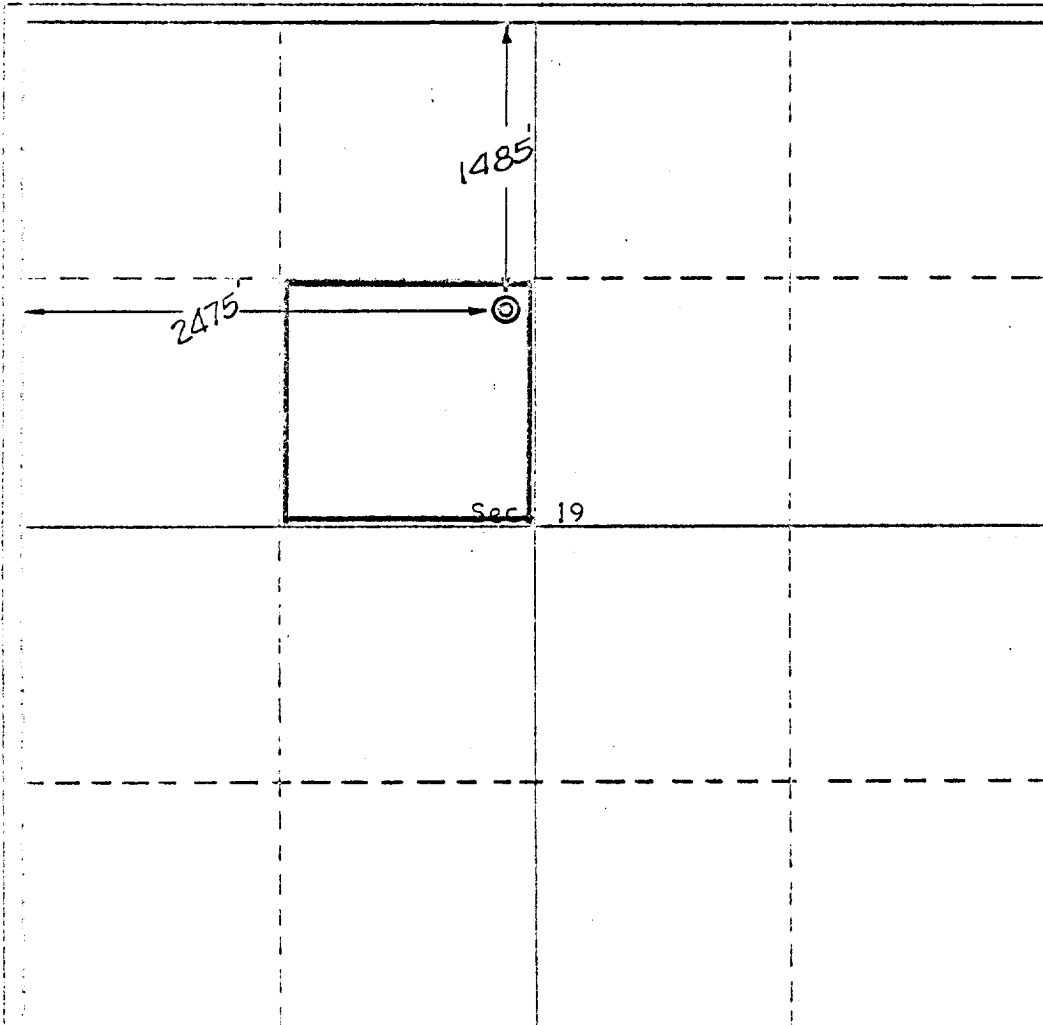
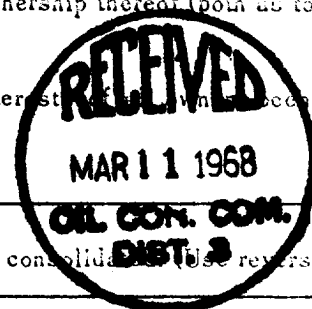
PAN AMERICAN PETROLEUM CORPORATION			Lease USG Section 19		Well No. 30
Unit Owner F	Section 19	Township 29 North	Range 16 West	County San Juan	
Actual Well Location of Well					
1485 feet from the North line and		2475 feet from the West line			
Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage		
Report Later	Dakota	Hogback Dakota	40 (Joint)		

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 the well 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.

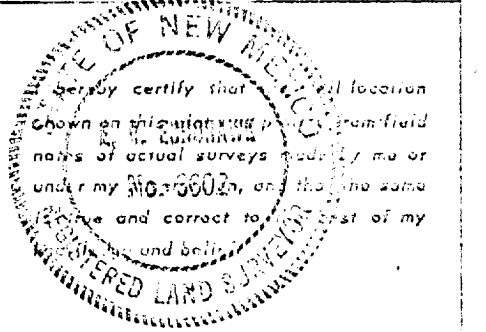


CERTIFICATION

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

Name
G. W. Eaton, Jr.
Position
Area Engineer
Company
PAN AMERICAN PETROLEUM CORP.

Date
March 7, 1968



Date Surveyed
March 1, 1968
Registered Professional Engineer and/or Land Surveyor

E. J. Cochran
Certificate No. 3602

