

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 ☐			5. LEASE DESIGNATION AND SERIAL NO. LC 068064	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER Injection Well ☒ SINGLE ZONE ☒ MULTIPLE ZONE ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----	
2. NAME OF OPERATOR Anadarko Production Company			7. UNIT AGREEMENT NAME -----	
3. ADDRESS OF OPERATOR Box 116 Loco Mills, New Mexico 88255			8. FARM OR LEASE NAME Grier	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2630' FNL & 10' FWL Sec. 31, T 16 S, R 31 E At proposed prod. zone Eddy County, New Mexico Same			9. WELL NO. 16	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 6 Miles NE Loco Mills, New Mexico			10. FIELD AND POOL, OR WILDCAT Square Lake	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 10'		16. NO. OF ACRES IN LEASE 560		17. NO. OF ACRES ASSIGNED TO THIS WELL
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 980'		19. PROPOSED DEPTH 3350'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3810' GL			22. APPROX. DATE WORK WILL START* 1 December 1968	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12"	8 5/8"	24	450	150
7 7/8"	4 1/2"	10.5	3350	300

Intend to drill with rotary tools to approx. 450', set and cement 8 5/8" casing, wait 18 hours on cement and test to 1000#, drill to approx. 3350', run open hole logs, set and cement 4 1/2" casing at TD, perforate Premier and Lovington zones, fracture treat, equip well and put on injection.

RECEIVED

NOV 13 1968

O. C. C.
ARTESIA, OFFICE

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 *D. A. Layton* TITLE District Superintendent **8 November 1968**
(This space for Federal or State office use)

PERMIT NO. *James A. Kraus* APPROVAL DATE **NOV 12 1968**
APPROVED BY *James A. Kraus* TITLE DISTRICT ENGINEER DATE **NOV 12 1968**
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 local 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.

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

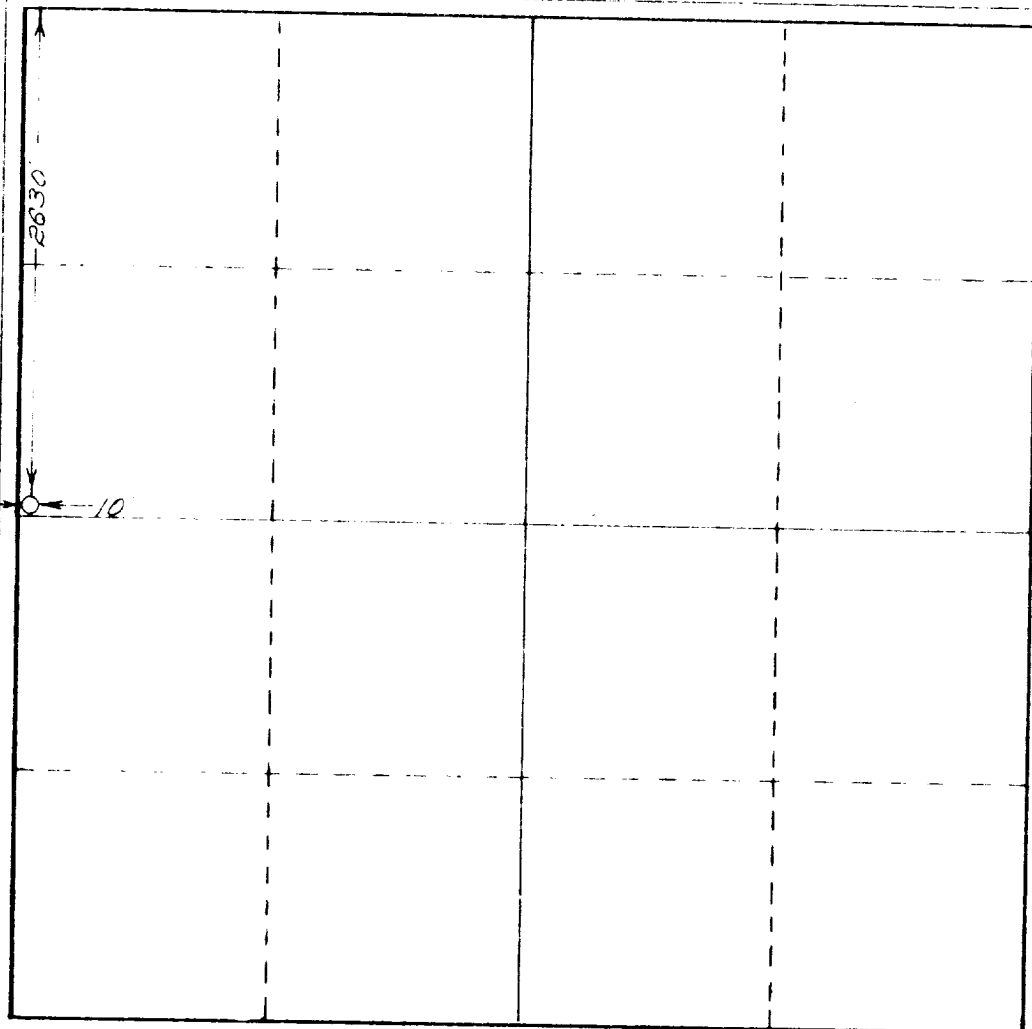
Operator ANADARKO PRODUCTION CO.			Lease GRIEF		Well No. 16
Unit Letter "E"	Section 31	Township 16 South	Range 31 East	County SECOY	
Actual Footage Location of Well: 2630 feet from the North line and 10 feet from the West line					
Ground Level Elev. 8910	Producing Formation Grayburg-San Andres		Pool Square Lake		Dedicated Acreage: 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.

D. R. Layton
D. R. Layton

Name
District Superintendent
Position
Anadarko Production Co.
Company

Date
8 November 1968

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
November 1, 1968

Registered Professional Engineer
and/or Land Surveyor

W. W. Shearn

Certificate No. **1559**

