

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 064098		
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER ☒ Water Injection			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Anadarko Production Company			7. UNIT AGREEMENT NAME Pearsall Queen Sand Unit		
3. ADDRESS OF OPERATOR 1014 West Avenue K Lovington, New Mexico			8. FARM OR LEASE NAME Tract No. 8		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FSL, 660' FSL Sec. 5, T 18 S, R 32 E, Lea County, New Mexico			9. WELL NO. 2		
At proposed prod. zone Same			10. FIELD AND POOL, OR WILDCAT Pearsall Queen		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 6 mi. south of Maljamar, New Mexico			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T 18 S, R 32 E		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)		660'	16. NO. OF ACRES IN LEASE 80	17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		1320'	19. PROPOSED DEPTH 3800'	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3826 EL			22. APPROX. DATE WORK WILL START* 14 August 1967		

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	300	Circulate to surface
7 7/8"	4 1/2"	11.6	3800	350 cu. (tie to BX)

Intend to drill with rotary tools to 300 ft., set 8 5/8" casing - circulate cement - WOC 16 hrs. - test @ 500 psi for 30 minutes - drill under surface to 3600' - condition hole and mud up to 10 cc water loss - drill to 3800' - run open hole logs - run 4 1/2" casing to 3800' - cement with 350 cu for amount sufficient to tie back to base of salt) WOC 24 hours - perforate Queen sand zone - stimulate with free treatment - run tubing with tension packer - complete for water injection well.

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 prevention program, if any.

24. SIGNED Ronald L. Layton TITLE District Superintendent DATE 6 July 1967
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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.