

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE O. C. C.

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. 1A 025722
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Hat Mesa
2. NAME OF OPERATOR Phillips Petroleum Company		7. UNIT AGREEMENT NAME Hat Mesa Unit
3. ADDRESS OF OPERATOR Room B-2, Phillips Bldg., Odessa, Texas		8. FARM OR LEASE NAME Hat Mesa
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FN and 1979.7' FS lines, Section 11		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 6 miles west of Lea, New Mexico		10. FIELD AND POOL, OR WILDCAT Wildcat - Devonian
15. DISTANCE FROM PROPOSED* First well on lease LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1980'		11. SEC., T., R., M., OR BLEND SURVEY Section 11, T-21-S, R-32-E
16. NO. OF ACRES IN LEASE 7874.03 (unit)		12. COUNTY OR PARISH Lea
17. NO. OF ACRES ASSIGNED TO THIS WELL 4.0		13. STATE New Mexico
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT. First well 15,500 feet		20. ROTARY OR CABLE TOOLS rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) Later		22. APPROX. DATE WORK WILL START* May 26, 1967

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	75#	400'	600 cc - circulate to surface
13 3/4"	10 3/4"	55.5 & 51#	5800'	Sufficient to cement back to base of salt
9 5/8"	7 5/8" Liner	29.7 & 26.4#	5600' to 12,300'	Sufficient to circulate around top of liner.
6 1/2"	5 1/2"	17 & 20#	15,000'	Sufficient to cover productive zones
4 3/4"	3 1/2"	9.2#	14,800' to 15,500' or TD	Sufficient to circulate around top of liner.

Propose to drill to approximately 15,500' to test Devonian with contract rig. Drill surface hole with sped mud; drill out with fresh water, add Solter* as needed through salt and anhydrite sections; if loss circulation zone appears, drill "dry" to casing point. Drill out with brine fluid, maintain as needed to liner setting point. Drill below 7 5/8" liner with brine water, maintain to 15,000'. Drill out below 15,000' to TD with fresh water low solid Drispac mud weighted as needed to contain Devonian.

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 W. J. Mueller TITLE Associate Reservoir Engineer DATE 5-19-67

(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.

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