

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HOBBS 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. LC-064198	
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -	
2. NAME OF OPERATOR Shell Oil Company		7. UNIT AGREEMENT NAME -	
3. ADDRESS OF OPERATOR P. O. Box 1858, Roswell, New Mexico 88201		8. FARM OR LEASE NAME Middleton Federal "B"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FSL & 660' FEL, Section 31, T-19-S, R-32-E, (NE/4 SE/4) NMPM Survey, Lea County, New Mexico At proposed prod. zone same		9. WELL NO. 2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 21 Miles Southwest of Loco Hills, New Mexico		10. FIELD AND POOL, OR WILDCAT Lusk-Strawn	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 31, T-19-S, R-32-E, NMPM	
16. NO. OF ACRES IN LEASE 481.84		12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4600'		19. PROPOSED DEPTH 11,600'	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* August 3, 1964	
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 3550' DF estimated		23. APPROX. DATE WORK WILL START* August 3, 1964	

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13 3/8"	48#	900'	500
11"	8 5/8" *	32#	3750'	1000
7 7/8"	4 1/2"	11.6#	11600'	800

We propose to drill to a depth of 11,600' and test the Strawn.

*Will set DV tool at approximately 2900' and two stage if necessary to bring cement to base of salt as per telephone conversation R. D. Vassar and A. R. Brown.

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 Original Signed By R. A. Lowery TITLE District Exploration Engineer July 30, 1964
R. A. LOWERY

(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.