

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. 30-025-26868 LC 067715
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 Antelope Ridge Unit
3. ADDRESS OF OPERATOR P. O. Box 991 Houston, TX 77001		8. FARM OR LEASE NAME Antelope Ridge Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FNL and 660' FEL, Sec. 28, T23S, R34E At proposed prod. zone Same		9. WELL NO. 8
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 miles west from Jal, NM		10. FIELD AND POOL, OR WILDCAT Morrow / Atoka (D)
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 28, T23S, R34E
16. NO. OF ACRES IN LEASE 2879.71		12. COUNTY OR PARISH Lee
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE NM
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether: DF, RT, GR, etc.) 3500' +		22. APPROX. DATE WORK WILL START* May 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	65#	450'	cnt. to surface w/550 sx
14 3/4"	10 3/4"	45.5#	5180'	cnt. to surface w/2000 sx
19 1/2"	7 5/8"	33.7#	12,015'	cnt. to 8000' + w/800 sx
6 1/2"	5"	18#	13,850'	circ. on liner w/220 sx

Attachments: Survey Plat
Drilling Prognosis
Casing and Cementing Program
BOP Assembly Drawing
Choke Manifold Drawing
Rig Lay Out Drawing
Topographical Map
Multipoint Land Use Plan
Temporary Test Facilities Layout
Ownership Map

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U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

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 J. H. Hull for A. J. Fore TITLE Sr. Engr. Tech. DATE 4/7/80
(This space for Federal or State office use)

PERMIT NO.	APPROVAL DATE
APPROVED BY CONDITIONS OF APPROVAL, IF ANY: JUN 15 1980 for [Signature] DISTRICT ENGINEER	TITLE DATE

*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.

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