

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.
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 1509, Midland, Texas 79701		8. FARM OR LEASE NAME Antelope Ridge Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 990' FNL & 2310' FEL. Section 4, T24S, R34E, NMPM At proposed prod. zone Same		9. WELL NO. 4
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 17 miles northwest of Jal, New Mexico		10. FIELD AND POOL, OR WILDCAT Antelope Ridge Morrow
15. DISTANCE FROM PROPOSED* LEASE TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) Lease - 2970' Unit - 990'	16. NO. OF ACRES IN LEASE 2879.71	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 4, T24S, R34E, NMPM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 738'	19. PROPOSED DEPTH 13,320'	12. COUNTY OR PARISH Lea
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3562 DF		13. STATE New Mexico
20. ROTARY OR CABLE TOOLS Rotary		22. APPROX. DATE WORK WILL START* Upon approval

23. **Existing** ~~PROPOSED~~ CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	11 3/4"	42#	815'	530 sx
11"	8 5/8"	32#	5167'	400 sx
7 7/8"	5 1/2"	17#	12005'	500 sx

Proposed Operation:

1. Remove uncemented slotted liner (11,923-12,395') from well.
2. Block off Atoka zone 12,005-12,375'.
3. Deepen from TD 12,375' to approximately 13,320'.
4. Run 3 1/2" liner from 11,920' to TD and cement.

BOF Program: 5000# WF, Series 1500, double preventor with Hydril and rotating head.

O.C.C. Case No. 4762
Order No. R-4350

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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and vertical depths. Give blowout preventer program, if any.

24. SIGNED R. R. Suckale TITLE Production Engineer DATE 9-22-72
(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.

★ U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-396

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OIL CONSERVATION COMM.
HOBBES, N. M.

NEW 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.

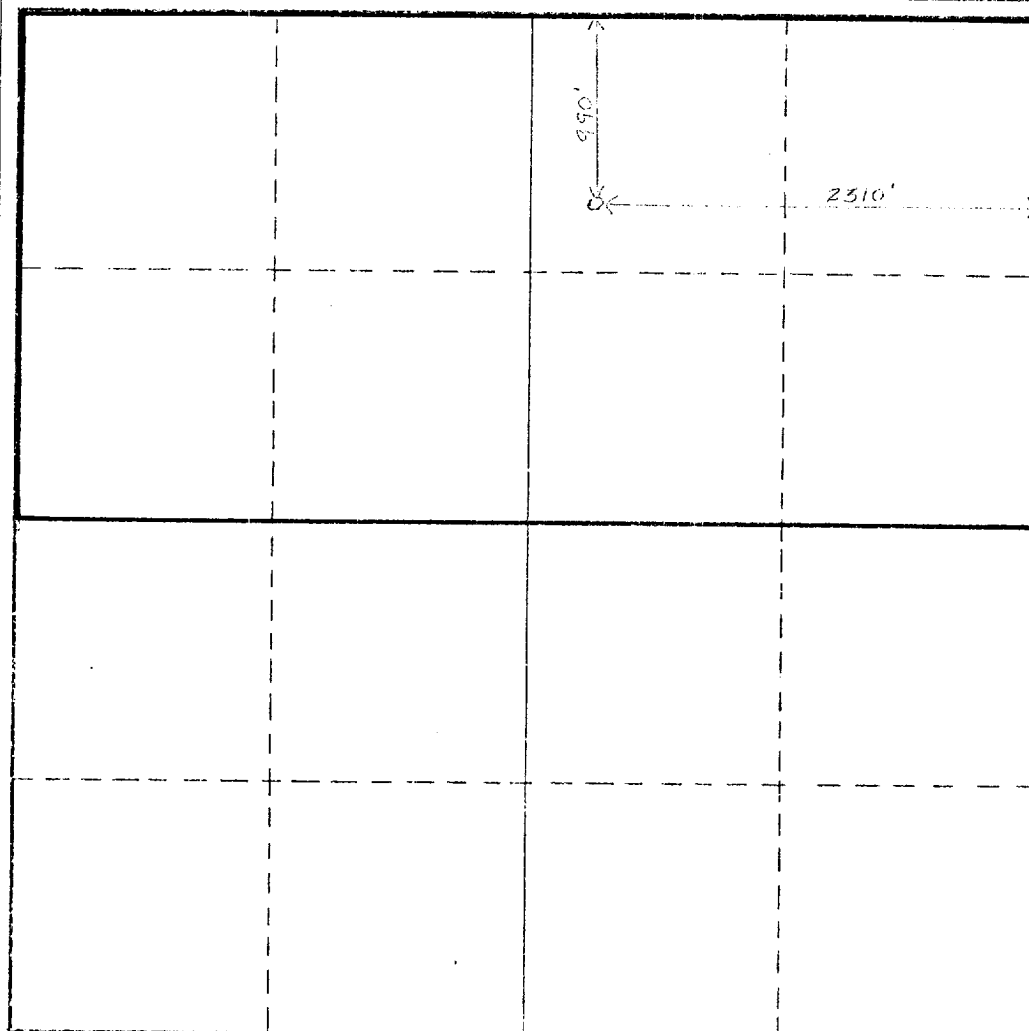
Operator Shell Oil Company			Lease Antelope Ridge Unit		Well No. 4
Unit Letter E	Section 4	Township 24S	Range 34E	County Lea	
Actual Point of Location of Well: 990 feet from the North line and 2310 feet from the East line					
Ground Level Elev. 3562 DF	Producing Formation Antelope Ridge		Depth Morrow		Dedicated Acreage: 320 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 Unit Operating Agreement

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.

R. R. Suckle

Name

R. R. Suckle

Position

Production Engineer

Company

Shell Oil Company

Date

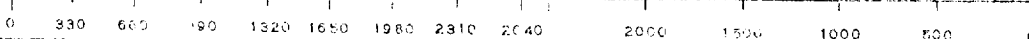
9-22-72

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

Registered Professional Engineer
and/or Land Surveyor

Certificate No.



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**OIL CONSERVATION COMM.
HOBBS, N. M.**