

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☐ DEEPEN ☐ PLUG BACK ☒

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
SHELL WESTERN E&P INC.

3. ADDRESS OF OPERATOR
P. O. BOX 576, HOUSTON, TEXAS 77001 (WCK 4435)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 1650' FNL & 1980' FEL SEC. 27
At proposed prod. zone SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
20 MILES WEST OF JAL, NM

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any) 1650' FNL

16. NO. OF ACRES IN LEASE
2879.71

17. NO. OF ACRES ASSIGNED TO THIS WELL
320

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
3250'

19. PROPOSED DEPTH
13,574' (TD)

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3471' GR

22. APPROX. DATE WORK WILL START*
UPON APPROVAL

5. LEASE DESIGNATION AND SERIAL NO.
LC 071949

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
ANTELOPE RIDGE UNIT

8. FARM OR LEASE NAME
ANTELOPE RIDGE

9. WELL NO.
7

10. TITLE AND POOL OR WILDCAT
Antelope Ridge
ATOKA/MORROW

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 27, T23S-R34E

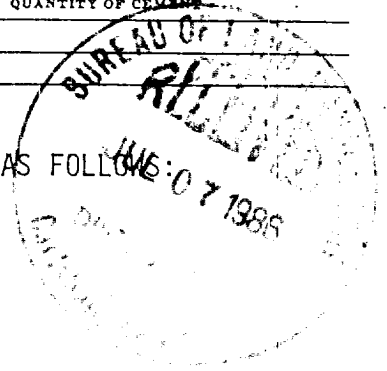
12. COUNTY OR PARISH
LEA

13. STATE
NM

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
SEE ATTACHED				

- WE PROPOSE TO ABANDON THE MORROW ZONE AND RECOMPLETE TO THE ATOKA AS FOLLOWS:
1. Pull production equipment. Circ hole w/10# brine.
 2. Set CIBP in 5" lnr @ 12,900' and cap w/35' cmt.
 3. Run gauge ring & junk basket to TOL @ 11,435'.
 4. Install production equipment w/Baker "DB" pkr @ 11,352'.
 5. Swab well back to 8000' FS.
 6. Perf Atoka 12,119' - 12,766' (2 JSPF, 106 holes).
 7. If necessary, acidize perfs 12,119' - 12,492' w/10,000 gals 15% HCl.
 8. Flow test 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 preventer program, if any.

SIGNED A. J. FORE

TITLE SUPERVISOR REG. & PERMITS

DATE JULY 1, 1986

(This space for Federal or State office use)

PERMIT NO. Orig: Sgd: Charles S. Dutton

APPROVAL DATE

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

7-1486

*See Instructions On Reverse Side

ATTACHMENT TO FORM 3160-3 (ANTELOPE RIDGE NO. 7)

<u>CASING SIZE</u>	<u>WEIGHT, LB./FT.</u>	<u>DEPTH SET (MD)</u>	<u>HOLE SIZE</u>	<u>CEMENTING RECORD</u>	<u>AMOUNT PULLED</u>
16"			20"	850 sx Class C to surface	
10 3/4"	51#, 45.5#, 40.5#	465' 5,060'	14 3/4"	(1) 700 sx Lite + 300 sx Cl C	
7 5/8"	33.7#	11,650'	9 1/2"	(2) 600 sx Lite + 100 sx Cl C	
5"	18#	13,574'	6 1/2"	600 sx Lite + 200 sx Cl H	
				285 sx Class H	

RECEIVED
JUL 21 1986
D.C.D.
HOBBS OFFICE