

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-025-25782

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
 Amoco Production Company

3. ADDRESS OF OPERATOR
 P. O. Drawer "A", Lovelland, TX 79336

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface
 660' FSL x 1980' FEL, Section 6 (Unit 0, SW/4 SE/4)
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 32 miles northeast of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINK, FT. (Also to nearest drlg. unit lide, if any)
 16. NO. OF ACRES IN LEASE
 17. NO. OF ACRES ASSIGNED TO THIS WELL
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 19. PROPOSED DEPTH
 20. ROTARY OR CABLE TOOLS
 21. ELEVATIONS (Show whether DP, RT, GR, etc.)
 22. APPROX. DATE WORK WILL START*

5. LEASE DESIGNATION AND SERIAL NO.
 NM 077002

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Nellis Federal

9. WELL NO.
 2

10. FIELD AND POOL, OR WILDCAT
 Buffalo Perm Morrow

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 6-19-33

12. COUNTY OR PARISH
 Lea

13. STATE
 New Mexico

320

Rotary

January 3, 1978

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	400'	Circ. to surface
12-1/4"	9-5/8"	32.3-36#	5,000'	Circ. to surface
7-7/8"	5-1/2"	15.5#	13,700'	Sufficient to tie back to 9-5/8" casing.

After drilling, run logs and evaluate. Perforate and stimulate as necessary to attempt commercial production.

Mud Program: 0' - 400' - Native mud and water
 400' - 5,000' - Brine water and minimum properties to maintain good hole conditions.
 5,000' - 12,400' - Fresh water, brine water, and minimum commercial products.
 12,400' - TD - Fresh water, brine water, minimum commercial products, and KCL for a 3-4% system.

BOP Program attached.
 Archaeological reconnaissance attached.
 Gas is not committed.

"APPROVAL TO DRILL WHILE DRILLING AND TESTING"
 Unless Drilling Operations have completed, this drilling approval Expires 4-3-78

24. 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 Randy Atkins TITLE Staff Assistant (SG) DATE 12-21-77

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:
 0+4 USGS-H
 1 DIV
 1 SUBP
 1 CONOCO
 1 RC

APPROVED AS AMENDED
 JAN 3 1978
 [Signature]
 DISTRICT ENGINEER

SEE ATTACHED FOR CONDITIONS OF APPROVAL
 See Instructions On Reverse Side

RECEIVED
JUN 9 1978
U.S. CUSTOMS AND BORDER PROTECTION
PORT OF NEW YORK