

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 ☐

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, Levelland, Texas 79336

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
1980' FNL X 1980' FWL, Section 5, (Unit F, SE/4, NW/4)
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
23 miles southeast of Maljamar, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, 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 DF, RT, GR, etc.)
3705.5 GR
22. APPROX. DATE WORK WILL START*
6-25-78

23. 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"	54.5#	450'	Circulate
12 1/4"	9 5/8"	40#	5000'	Circulate
8 3/4"	5 1/2"	15.5#, 17#	13950'	Tie back to 9 5/8"

Propose to drill and equip well in the Morrow formation. After reaching TD logs will be run and evaluate; perforate and stimulate as necessary in attempting commercial production.

Mud Program:
0' - 450' - Native mud and fresh water.
450' - 5000' - Commercial mud and brine water to maintain good hole condition
5000' - 12400' - Commercial mud and cut brine water.
12400' - 13950' - Commercial mud w/KCL for 6% system and cut brine water.

SEE ATTACHED FOR

CONDITIONS OF APPROVAL

Gas is not dedicated.
Archaeological clearance report attached.

Unless Drilling Operations have
Commenced, this drilling approval
Expires Sept 30, 1978

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 [Signature] TITLE Administrative Analyst (SG) DATE 5-26-78

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

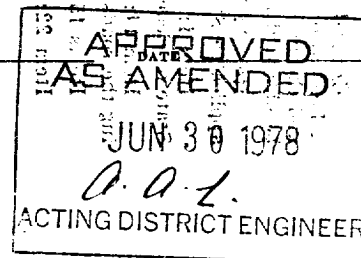
APPROVED BY TITLE

CONDITIONS OF APPROVAL, IF ANY:

0+5-USGS-H

1-Div
1-Susp
1-RC

*See Instructions On Reverse Side



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 Gas Con

9. WELL NO.

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10. FIELD AND POOL, OR WILDCAT

Buffalo Penn-Morrow

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

5-19-33

12. COUNTY OR PARISH

Lea

13. STATE

NM