

Drawer DD
Artes: ~~NM 88210~~
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other i tions on
revu de)

Form approved.
Budget Bureau No. 42-R1425.

30-015-2410

C/SF

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. Box 68, Hobbs, NM 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface
 At proposed prod. zone
 888
 990' FNL X 1980' FWL Sec. 31
 (Unit C NE/4, NW/4)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 7.8 Miles West of Loco Hills, New Mexico

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
 297.49

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

19. PROPOSED DEPTH
 11,200

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3657.3 GL

22. APPROX. DATE WORK WILL START*
 2-1-82

5. LEASE DESIGNATION AND SERIAL NO.
 Nm 0555569

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 Empire-South Deep Unit

8. FARM OR LEASE NAME
 Empire
 South Deep Unit

9. WELL NO.
 22

10. FIELD AND POOL, OR WILDCAT
 South Empire-Morrow

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 31-17-29

12. COUNTY OR PARISH
 Eddy

13. STATE
 NM

MAR 12 1982

O. C. D.
ARTESIA, OFFICE

w/c

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
12-1/4	8-5/8	32#	2,900	tie back to 13-3/8
8-3/4	7	17#, 15.5#	11,200	500' above upper most productive zone

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

MUD PROGRAM: 0-400 Native mud & fresh water
400-2900 Native mud & brine.
2900-TD Commercial mud & brine with minimum properties for safe hole conditions. Will raise viscosity and reduce water loss prior to Morrow penetration.

Archaeological Survey Attached
Gas is not dedicated.
BOP Program Attached

JAN 22 1982

OIL & GAS
U.S. GEOLOGICAL SURVEY
RESERVE NEW MEXICO

Posted ID-1
API + NL Book
3-19-82

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 Mark Randolph TITLE Assist. Admin. Analyst DATE 1-21-82

(This space for Federal or State office use)

PERMIT NO. **APPROVED** APPROVAL DATE

APPROVED BY JAG TITLE JAMES A. GILLHAM
 CONDITIONS OF APPROVAL, IF ANY **MAR 11 1982** APPROVAL SUBJECT TO **GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED**

See Instructions On Reverse Side