

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.

NM-54298

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Amaranth "AMG" Federal Co

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat Morrow

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

Section 12-T20S-R30E

12. COUNTY OR PARISH 13. STATE

Eddy

NM

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

Yates Petroleum Corporation

3. ADDRESS OF OPERATOR

105 South Fourth Street, Artesa, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface
1310' FNL and 2630' FEL
At proposed prod. zone

2449' FNL and 1512' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 25 miles NE of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1512'

16. NO. OF ACRES IN LEASE

280

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.

19. PROPOSED DEPTH

12,600' TVD

20. ROTARY OR CABLE TOOLS

Rotary

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

3322' GR

22. APPROX. DATE WORK WILL START*

ASAP

23.

PROPOSED CASING AND CEMENTING PROGRAM

Secretary's Potash/R-111-P Potash

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94# J-55	425'	375 sacks - <u>circulated</u>
17 1/2"	13 3/8"	54.5# J-55	1550'	925 sacks - <u>circulated</u>
12 1/4"	8 5/8"	32# J-55	3100'	700 sacks - <u>circulated</u>
7 7/8"	5 1/2"	17# N-80	TD	600 sacks circulate to 9800'

Yates Petroleum Corporation proposes to drill and test the Morrow and intermediate formations. Approximately 425' of surface casing will be set and cement circulated to shut off gravel and cavings. Intermediate casing will be set to 1550' and circulated and to 3100' and circulated. If commercial, will perforate and stimulate as needed for production.

MUD PROGRAM: FW gel, paper to 425'; Brine to 1550'; FW to 3200'; Cut Brine to 9700'; Brine to 10,600; XCD Drispak, Starch to TD.

BOP PROGRAM: BOP's and hydril will be installed on the 8 5/8" casing and tested daily.

GAS NOT DEDICATED

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 Ken B. Buehler TITLE Landman DATE 12-11-92

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 3-16-93

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side

ATTACHED AND RMOC'D'S R-111-P

Title 18, U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DD-73 (NSBHL) APP. 1-5-93