

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-22099

5. LEASE DESIGNATION AND SERIAL NO.

NM 26439

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

H Bar Y Federal "HO"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated Morrow

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

Unit I, NMPM

Sec. 7-23S-23E

12. COUNTY OR PARISH 13. STATE

Eddy

NM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒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

207 South Fourth Street, Artesia, NM 88210

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

At surface

1980' FSL & 660' FEL of Section 7-23S-23E

At proposed prod. zone

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

24 miles WSW of Carlsbad, 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 TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

10,000'

20. ROTARY OR CABLE TOOLS

Rotary

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

4195 GR

22. APPROX. DATE WORK WILL START*

As soon as approved

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" New	48#	Approx. 440'	300 sacks - circulate
12 1/4-11"	8-5/8" New	24#	Approx. 1200'	600 sacks - circulate
7-7/8"	5 1/2" New or 4 1/2" New	17#K-55&N-80 11.6#K-55&N-80	Approx. 10000'	250 sacks

Propose to drill and test the Morrow and intermediate formations. Approximately 440' of surface casing will be set to shut off gravel and caving, cement circulated for fresh water protection. Intermediate casing will be set approximately 100' below the Artesian Water Zone and cement circulated. If commercial pay is encountered, will run 5 1/2" or 4 1/2" casing, cement with 600' of cement cover, perforate, and stimulate as needed for production.

MUD PROGRAM: F.W. Gel to 440', fresh water to 5000', KCL water to 8500' (add brine @ 7000'), Flosal-Drispak-KCL mud to TD; MW 9.2, Vis 36-39, WL 12-7.

GAS ACREAGE NOT
DEDICATED.

BOP PROGRAM: BOP's & hydril on 8-5/8" casing & tested daily, yellow jacket prior to drilling Wolfcamp.

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

Eddie L. Hatfield

TITLE

Engineer

DATE

2-25-77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

DECLARED WATER BASIN

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

CEMENT BE
CASING MUST BE CIRCULATED

NOTIFY US IN SUFFICIENT TIME TO

WITNESS CEMENTING THE CASING.

THIS APPROVAL IS VALID FOR 12 MONTHS.
ARE NOT COMMENCED WITHIN 12 MONTHS.
EXPIRES JUL - 6 1977

*See Instructions On Reverse Side