

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

2. TYPE OF WELL

OIL

WELL ☒

GAS

WELL ☐OTHER ☐

3. NAME OF OPERATOR

Yates Drilling Co.

4. ADDRESS OF OPERATOR

207 S. 4th, Artesia, New Mexico 88210

5. LOCATION OF WELL (Report location clearly and in accordance with any state requirements.)

At surface

330' FNL and 2310' FWL

At proposed production

same

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR CITY

25 miles north of Maljamar, New Mexico.

7. DISTANCE FROM PROPOSED

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, E.T.

(Give to nearest only, half line, etc.)

330'

8. DISTANCE FROM PROPOSED LOCATION

TO NEAREST WELL (Give true vertical depth or depth of formation, etc.)

10. NO. OF ACRES ASSIGNED

1040

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

9. DEPTH (Show whether DE, RL, GL, etc.)

4219' GL

18. DEPTH OF WELL

appr. 2900'

19. ROTARY OR CABLE TOOLS

Rotary

20. APPROX. DATE WORK WILL START*

ASAP

21.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	24# J-55	appr. 400'	300 sx circ
7 7/8"	4 1/2"	9.5# J-55	TD	200 sx/tie back to base of salt

We propose to drill and test the Queen and intermediate formations. Approximately 400' of surface casing will be set and cement circulated to shut off gravel and caving. If needed (lost circulation) 7" intermediate casing will be run to 1900' and cemented with enough cement calculated to tie back into the surface casing. If commercial, production casing will be run and cemented with adequate cover, perforated and stimulated as needed for production.

MUD PROGRAM: FW 400', 10# Brine to TD. Mud up w/SW gel to log. LCM if needed.

BOP PROGRAM: BOP's will be installed after setting the 8 5/8" and tested daily.

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.

22.

SIGNED

TITLE Regulatory Agent

DATE 7/2/84

(This space for Federal or State official use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY