

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

30-015-24002

5. LEASE DESIGNATION AND SERIAL NO.

NM 14459

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Mescal "SE" Federal

9. WELL NO.

1

10. FIELD AND ZONE OR WILDCAT

Undesignated Box Canyon

11. SEC., T., R., S. OR B.L. AND SURVEY OR AREA

Sec. 18-21s-22e

12. COUNTY OR PARISH 13. STATE

Eddy

NM

17. NO. OF ACRES ASSIGNED TO THIS WELL

280

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START

ASAP

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐GAS WELL ☒

OTHER

SINGLE ZONE ☐

RECEIVED

MULTIPLE ☐

2. NAME OF OPERATOR

Yates Petroleum Corporation

3. ADDRESS OF OPERATOR

207 South 4th Street, Artesia, NM 88210

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

At surface

600' FNL & 1750' FWL

At proposed prod. zone

same

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

Approx. 45 miles South & West of Artesia, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

600

16. NO. OF ACRES IN LEASE

960

18. DISTANCE FROM PROPOSED LOCATION*

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

3400'

19. PROPOSED DEPTH

approx. 8500'

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

4420' GR

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" J-55	48# new	Approx. 250'	250 sx. circulate
12 1/4" - 11"	8 5/8" J-55	24# new	Approx. 1500'	750 sx. circulate
7 7/8"	5 1/2" or 4 1/2" K-55	15.5-17# or 10.5-11.6# new	TD	250 sx.

Propose to drill and test the Morrow and intermediate horizons. Approximately 200' of surface casing will be set to shut off caving, and intermediate casing will be set below the Glorieta Sand. If commercial will run 4 1/2" or 5 1/2" casing and cement with at least 600' cover.

MUD PROGRAM: FW gel and LCM to 1500', water to 4600'; Starch-Drispak KCL to 7600', Flosal-Drispak-KCL to TD.

BOP PROGRAM: BOP's and hydril on 8 5/8" casing, pipe rams tested daily, blind rams on 12-4-81 trips, Yellow Jacket prior to drilling Wolfcamp.

GAS ACREAGE NOT

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

TITLE Regulatory Manager

DATE 11-19-81

(This space for Federal or State official use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

TITLE

DATE

APPROVED

NOV 25 1981

JAMES A. GILLHAM
DISTRICT SUPERVISOR