

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 RECOMPLETION SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 YATES PETROLEUM CORPORATION (505) 748-1471

3. ADDRESS OF OPERATOR
 105 South 4th St., Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
 At surface: Unit D, 990' FNL, 990' FWL, Sec. 7-T20S-R29E
 At proposed prod. zone

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

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

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

19. PROPOSED DEPTH
 11500'

20. ROTARY OR CABLE TOOLS
 Pulling Unit

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3274' GR

22. APPROX. DATE WORK WILL START*
 When approved

5. LEASE DESIGNATION AND SERIAL NO.
 NM 0144698

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 N/A

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Superior KJ Federal Com

9. WELL NO.
 1

10. FIELD AND POOL, OR WILDCAT
 Undesignated Strawn

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

12. COUNTY OR PARISH | 13. STATE

RECEIVED
 OCT 13 1993

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"	48#	572'	600 sx circ - in place
12 1/4"	8-5/8"	32#	3036'	1575 sx circ - in place
7-7/8"	5-1/2"	17 - 20#	11536'	800 sx - in place

Propose to recomplate well from the Atoka to the Strawn as follows: Kill well, load annulus as/if necessary, drop SV and pressure test tubing to 2500 psi. Test annulus to 500 psi. ND tree and NU BOP. Pull SV and TOOH with tubing and packer. RIH and pull RBP 10886', packer with SV at 11162', and possible RBP at 11217'. Pressure test tubing. Set bridge plugs at 11160' (Morrow) and 10740' (Atoka). Perforate the Strawn 10239-10357' w/21 shots. Acidize Strawn perforations in 4 stages; then acidize all perforations w/3000 gals 15% NEFE HCL acid. Test Strawn. If non-productive, will move uphole and test Canyon.

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 Quanita Sandoval TITLE Production Supervisor DATE 10-12-93

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Reed TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side