

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**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   
 SINGLE ZONE                       MULTIPLE ZONE

2. NAME OF OPERATOR  
 Chevron U.S.A. Inc.

RECEIVED

3. ADDRESS OF OPERATOR  
 P.O. Box 670, Hobbs, NM 88240

JUN 28 '88

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface 760 FSL and 1980 FWL  
 At proposed prod. zone

O. C. D.  
ARTESIA OFFICE

5. LEASE DESIGNATION AND SERIAL NO.

NM-14124

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Marquart Federal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Sulphate Delaware

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

Sec. 1, T25S, R26E

12. COUNTY OR PARISH

Eddy

13. STATE

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

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  
 TD: 11,824

20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 3315'

22. APPROX. DATE WORK WILL START\*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	10 3/4"		1785	1000sx
	7 5/8"		8700	775sx

TD: 11,824    PB: 10,650

It is proposed to abandon the existing Atoka Perfs and Plug Back and test the Delaware Zones A & B separately as follows: Set CIBP in 5" liner at 10,250', cap w/35' cement. Set a 200' cmt plug across 5" liner top f/8290-8490'. Set 100' cmt plug f/5450' - 5550, Circ. hole w/ abandonment mud while setting plugs. Perf 7 5/8" csg at 3000-02 w/4" guns, 2 SPF, 180° phase, 4 holes, TIH w/cmt rtnr on 2 7/8" WS and circ cement to surf. WOC. Perf 7 5/8" csg at 2397-2403, 2424-30, 2489-95 (36 holes) 180° phase, acidize, swab. Based on results, perfs 2397-2495 will be squeezed or fraced. If necessary frac perfs (2397-2495). Swab back and report results to production engr. If necessary frac perfs (2014-2096). Swab back report results. Run production equipment. Turn over to production.

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 M. E. Akman TITLE Staff Drilling Engr. DATE June 10, 1988

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 6/27/88

CONDITIONS OF APPROVAL, IF ANY: