

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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| 1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> | | 5. LEASE DESIGNATION AND SERIAL NO. NM-13126 | |
| b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 2. NAME OF OPERATOR Stevens & Tull, Inc. | | 7. UNIT AGREEMENT NAME | |
| 3. ADDRESS OF OPERATOR P.O. Box 11005 Midland, Texas 79702 | | 8. FARM OR LEASE NAME Meyer | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1650' FSL & 2310' FEL At proposed prod. zone Same | | 9. WELL NO. 190 | |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12 miles southwest of Eunice | | 10. FIELD AND POOL, OR WILDCAT Jalmat Yates SR | |
| 10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330' | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31, T-22-S, R-36-E | |
| 18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. New lease | | 12. COUNTY OR PARISH Lea | |
| 16. NO. OF ACRES IN LEASE 440 | | 13. STATE New Mexico | |
| 19. PROPOSED DEPTH 3950' | | 17. NO. OF ACRES ASSIGNED TO THIS WELL 40 | |
| 20. ROTARY OR CABLE TOOLS Rotary | | 21. APPROX. DATE WORK WILL START* January 22, 1990 | |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3512.8' GR | | 22. APPROX. DATE WORK WILL START* January 22, 1990 | |

PROPOSED CASING AND CEMENTING PROGRAM

| HOLE SIZE | CASING SIZE | WEIGHT/FOOT | GRADE | THREAD TYPE | SETTING DEPTH | QUANTITY OF CEMENT |
|-----------|-------------|-------------|------------|----------------|---------------|--------------------|
| 12 1/4 | 8 5/8 | 24 & 32 | J-55, K-55 | 8 rd LT & ST&C | 1650 | 750 sx |
| 7 7/8 | 5 1/2 | 17 | J-55 | 8 rd LT & C | 3950 | 500 sx |

-Drill 12 1/4 hole to approximately 1650 or to firm formation with fresh mud. Run 8 5/8 casing to setting depth with centralizers spaced at 100' intervals. A guide shoe and float collar will be used. Cement will be 550 sx Halliburton Lite with 2% CaCl₂ and 1/4 #/sx cellophane sand 200 sx class "C" with 2% CaCl₂. Displace cement to float. Shut in.
-Wait on cement 12 hours. Test pressure control equipment to 1000 psi for 30 minutes.
-Drill 7 7/8 hole with brine at native conditions to total depth of 3950'.
-Raise mud viscosity to 40 sec/qt. and reduce water loss to 10 cc/30 sec.
-Run 5 1/2" casing with guide shoe, float collar and latchdown wiper plug with 15 centralizers. Cement with 300 sx Halliburton Lite cement with 1/4 #/sx cellophane plus 200 sx class "C" with 0.6% Halad 9 and 2% CaCl₂ and 1/4 #/sx cellophane.

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 Rodney L. Seale *Rodney L. Seale* TITLE Engineer DATE 12/12/89
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE 1-14-90
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side