

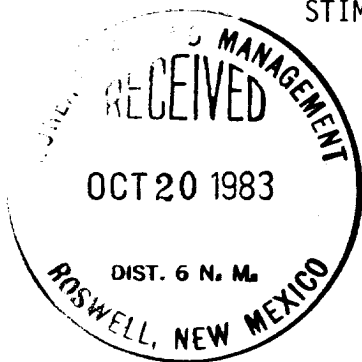
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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-19448
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR C. W. TRAINER		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR ROUTE 3, BOX 607, MARBLE FALLS, TEXAS 78654		8. FARM OR LEASE NAME DOROTHY
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 554' FSL AND 554' FEL OF SECTION 25 At proposed prod. zone		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 13 MILES SOUTHEAST OF MALJAMAR, NEW MEXICO		10. FIELD AND POOL, OR WILDCAT UNDES.EK BONE SPRINGS
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 554'	16. NO. OF ACRES IN LEASE 80	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC.25, T.18 S., R.33 E.
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. -	19. PROPOSED DEPTH 10,500'	12. COUNTY OR PARISH LEA
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3855.1 GR		13. STATE NEW MEXICO
23. PROPOSED CASING AND CEMENTING PROGRAM		20. ROTARY OR CABLE TOOLS ROTARY
22. APPROX. DATE WORK WILL START* UPON APPROVAL		

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	350'	SUFFICIENT TO CIRCULATE
12-1/4"	8-5/8"	24# & 28#	4400'	SUFFICIENT TO CIRCULATE
7-7/8"	4-1/2"	11.6#	10,500'	300 SACKS

AFTER SETTING PRODUCTION CASING, PAY ZONE WILL BE PERFORATED AND STIMULATED AS NECESSARY.

SEE ATTACHED FOR: SUPPLEMENTAL DRILLING DATA
BOP SKETCH
SURFACE USE AND OPERATIONS PLAN

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. Arthur R. Brown SIGNED Arthur R. Brown TITLE Agent DATE October 19, 1983
(This space for Federal or State office use)PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY A. Lopez TITLE _____ DATE 10/28/83
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED