

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. NM 65441
2. TYPE OF WELL OIL WELL ☒ or GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
3. NAME OF OPERATOR Tom Brown, Inc.		7. UNIT AGREEMENT NAME NA
4. ADDRESS OF OPERATOR P.O. Box 2608 Midland, Texas 79702		8. FARM OR LEASE NAME Madera-Federal #25 ^{125A}
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FSL and 1980' FEL At proposed prod. zone Same		9. WELL NO. 1
6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE Approximately 16 miles SW of Jal, N.M. (Attached Survey)		10. FIELD AND POOL, OR WILDCAT Wildcat
7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1980'		11. SEC., T., R. M., OR B.L. AND SURVEY OR AREA Section 25 T-26S, R-34E
8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA		12. COUNTY OR PARISH Lea
9. ELEVATIONS (Show whether DP, RT, GR, etc.) 3197.6' GL		13. STATE NM
10. NO. OF ACRES IN LEASE 640		14. NO. OF ACRES ASSIGNED TO THIS WELL 640
11. PROPOSED DEPTH 22,500		15. ROTARY OR CABLE TOOLS Rotary
16. APPROX. DATE WORK WILL START December 1, 1986		

* PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	106.5# K-55	1100'	2750 SXS CIRCULATE
17½"	13-3/8"	68 & 72# N-80	5300'	5100 SXS CIRCULATE
12½"	9-5/8"	53.5# S-95	13,000'	2600 SXS
8½"	7-3/4"	46.1# LSS-125	12,700-18,300'	1300 SXS
6½"	5"	23# C-75	18,000-22,500'	350 SXS

* Note: For additional detail see attached Drilling Program

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 Steve L. Thomas TITLE Operations Engineer DATE November 24, 1986

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY Linda SC Rouse acting TITLE CARLSBAD RESERVE AREA DATE 12-1-86
CONDITIONS OF APPROVAL, IF ANY:

CER#45