

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN **TRIPlicate**  
(Other in reverse side)

Form approved  
Budget Bureau No. 1004-0136  
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK  
DRILL  DEEPEN

b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
Matador Operating Company *M 245*

3. ADDRESS AND TELEPHONE NO.  
8340 Meadow Rd., Ste 158, Dallas, TX 75231, 214-887-7128

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface: 660' FNL; 1500' FWL  
At proposed prod. zone: **Unit C**

5. LEASE DESIGNATION AND SERIAL NO.  
USA NM 101093

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME WELL NO.  
Brantley Federal #1

9. AP WELL NO.  
30-015-31414

10. FIELD AND POOL, OR WILDCAT  
Stude's Springs (Morrow)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 34, T20S, R26E

12. COUNTY OR PARISH  
Eddy

13. STATE  
NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
12 miles Northwest of Carlsbad, NM

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest grig. unit line, if any)  
660'

16. NO. OF ACRES IN LEASE  
320

17. NO. OF ACRES ASSIGNED TO THIS WELL  
320

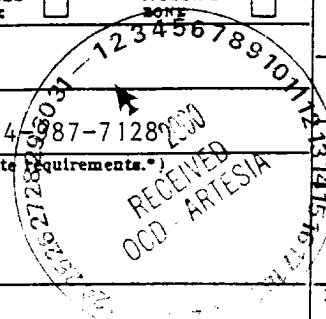
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
NA

19. PROPOSED DEPTH  
10,550'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR)  
3226' GL

22. APPROX. DATE WORK WILL START\*  
October 15, 2000



**CARLSBAD CONTROLLED WATER BASIN**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	H-40, 13-3/8"	48.0	400'	375 sx circulate
12-1/4"	K-55, 9-5/8"	36.0	2800'	700 sx circulate
8-3/4"	N-80, 5-1/2"	17.0	10,550	750 sx TOC @ 6000'

*minimum 925' (See Stips)*

The Operator proposes to drill to a depth sufficient to test the Morrow formation. If productive, 5-1/2" casing will be set at TD and cemented back to approximately 6000'. If non-commercial, the well will be plugged and abandoned in accordance with federal regulations.

- Well Location and Acreage Dedication Plat
- Application for Permit to Drill
- Surface Use Plan
- Exhibit "A" Area Map
- Exhibits "B-1" and "B-2" Wellsite Plan
- Exhibit "C" Production Map
- Exhibit "D" Blowout Preventer
- Exhibit "E" Hydrogen Sulfide Drilling Operations Plan

**APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS**

Operator to notify NMOCD time of spud & time to witness 9 5/8" casing

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 *[Signature]* TITLE Sr. Drilling Engineer DATE 8/31/00

(This space for Federal or State office use)

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

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

/s/LARRY D. BRAY

Assistant Field Manager,  
Lands And Minerals

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

\*See Instructions On Reverse Side

APPROVED FOR 1 YEAR

RECEIVED  
SEP 05 2000  
DLM  
[illegible]