

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.  
**LC 032510(6)**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
**Rhodes Storage**

8. FARM OR LEASE NAME  
**Rhodes GSU**

9. WELL NO.  
**7**

10. FIELD AND POOL, OR WILDCAT  
**Rhodes**

11. SEC. T. R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 15, T-26-S, R-37-E**

12. COUNTY OR PARISH  
**Lea**

13. STATE  
**New Mexico**

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 Gas Storage       SINGLE ZONE       MULTIPLE ZONE

2. NAME OF OPERATOR  
**El Paso Natural Gas Company**

3. ADDRESS OF OPERATOR  
**1800 Wilco Building, Midland, Texas 79701**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface: **1830' FWL, 1980' FNL**  
 At proposed prod. zone: **Same**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**7 miles Southeast of Jal, New Mexico**

16. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, ETC. (Also to nearest dip, unit line, if any)  
**1830**

16. NO. OF ACRES IN LEASE  
**640**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**40**

18. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST WELL, DRILLING COMPLETION, OR APPLIED FOR, ON THIS LEASE, ETC.  
**1300**

19. PROPOSED DEPTH  
**3250'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATION (Show whether DB, MSL, GN, etc.)  
**3002.9**

22. APPROX. DATE WORK WILL START\*  
**9-26-73**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	VELOCITY PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" MU 46	20.0%	565	Surface (Circ)
7 7/8"	4 1/2" K-55	10.5%	3250	2750 ft

Plan is to drill 12 1/4" hole to approximately 565', run 8 5/8" 20# MU 46 csg and cement to surface. WOC 12 hrs. & test to 500#. Drill 7 7/8" hole to TD (3250'), run 4 1/2" K-55 csg & cement to approximately 2750'. WOC 24 hrs. & test to 1500#. Well will be completed for injection and withdrawal in the Rhodes Yates formation.

Native mud and fresh water will be used to surface casing depth. Brine based mud will be used from surface casing to T.D.. 5000# Double gated BOP equipment will be used.

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 C. D. Kasper TITLE Production Clerk DATE 9-11-73

(This space for Federal or State office use)

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

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

CONDITIONS OF APPROVAL, IF ANY:

**APPROVED**  
 OCT 3 1973  
 ARTHUR R. BROWN  
 DISTRICT ENGINEER