

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

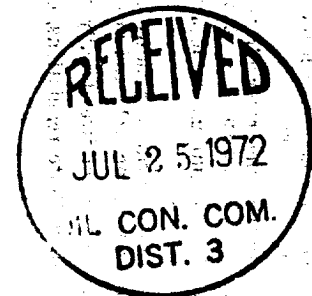
30-1039-20505

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. SF 079266 | | |
| b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/> | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | | |
| 2. NAME OF OPERATOR El Paso Natural Gas Company | | 7. UNIT AGREEMENT NAME | | |
| 3. ADDRESS OF OPERATOR PO Box 990, Farmington, NM 87401 | | 8. FARM OR LEASE NAME Vaughn | | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 1500'N, 1800'E At proposed prod. zone | | 9. WELL NO. 19 | | |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* | | 10. FIELD AND POOL, OR WILDCAT So. Blanco Pictured Cliffs & Otero Chacra ex | | |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 27, T-26-N, R-6-W | | |
| 16. NO. OF ACRES IN LEASE | | 12. COUNTY OR PARISH Rio Arriba | | |
| 17. NO. OF ACRES ASSIGNED TO THIS WELL 160 | | 13. STATE New Mexico | | |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. | | 20. ROTARY OR CABLE TOOLS Rotary | | |
| 19. PROPOSED DEPTH 4049' | | 22. APPROX. DATE WORK WILL START* | | |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6715'GL | | | | |
| 23. PROPOSED CASING AND CEMENTING PROGRAM | | | | |
| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
| 13 3/4" | 9 5/8" | 32.30 | 120' | 140 cu. ft. to circulate |
| 8 3/4" | 2 7/8" | 6.4# | 3089' | 380 cu. ft. to cover Ojo Alamo |
| 6 3/4" | 2 7/8" | 6.4# | 4049' | 295 cu. ft. to fill to 3089' |

Selective zones in the Pictured Cliffs and Chacra formations will be perforated and sand-water fractured. The well will be completed as a Pictured Cliffs-Chacra dual well with two parallel strings of 2 7/8" production casing.

The NE/4 of Section 27 is dedicated to this well.



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 [Signature] TITLE Petroleum Engineer DATE July 20, 1972

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

[Signature]

NEW MICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form 1-1
Supersedes C-128
Effective 1-1-72

All distances must be from the outer boundaries of the Section

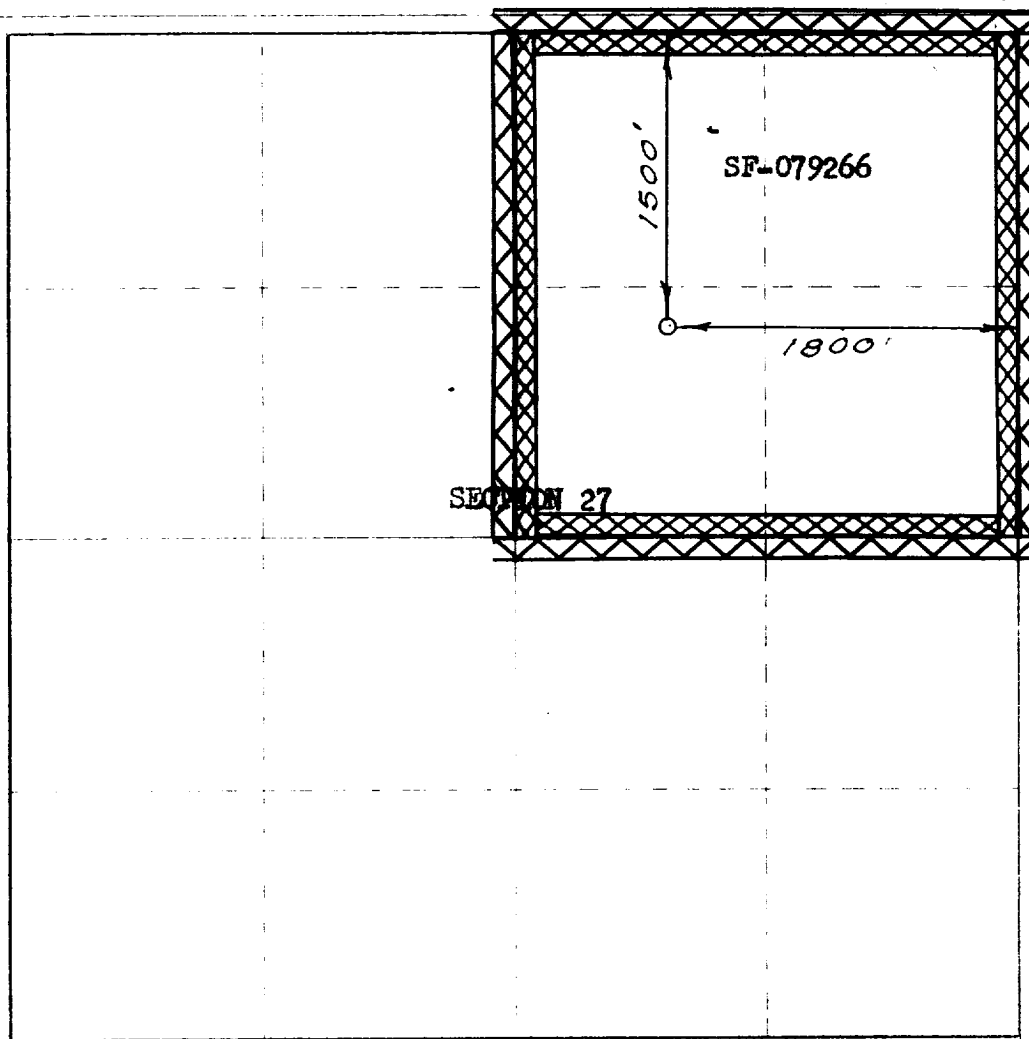
| | | | | | |
|-----------------------------|------------------------|--------|---|-------------|----------|
| EL PASO NATURAL GAS COMPANY | | VAUGHN | | (SF-079266) | 19 (P-C) |
| G | 27 | 26-N | 6-W | RIO ARRIBA | |
| 1500 | NORTH | | 1800 | EAST | |
| 6715 | PICTURED CLIFFS-CHACRA | | SO. BLANCO-PC OTERO-CHACRA EXT. 160.00 & 160.00 | | |

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereon (including working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes ☐ No ☐ If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated (otherwise side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. **NOTE: THIS PLAT REISSUED TO SHOW DUAL COMPLETION. 7-18-72**



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Original Signed F. H. WOOD

Petroleum Engineer

El Paso Natural Gas Co.

July 20, 1972

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

MARCH 16, 1972

David Kilmer

1760