

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

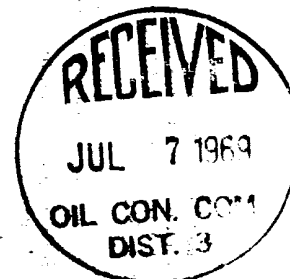
## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|   |  |  |  |  |
|---|--|--|--|--|
| 1a. TYPE OF WORK<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>                    |  |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>SF 079391                                   |  |
| b. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>                    |  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME   |  |
| 2. NAME OF OPERATOR<br>El Paso Natural Gas Company  |  |  | 7. UNIT AGREEMENT NAME<br>San Juan 27-5 Unit                                       |  |
| 3. ADDRESS OF OPERATOR<br>Box 990, Farmington, New Mexico - 87401   |  |  | 8. FARM OR LEASE NAME<br>San Juan 27-5 Unit  |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*<br>At surface 1840'S, 960'W<br>At proposed prod. zone |  |  | 9. WELL NO.<br>112   |  |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*   |  |  | 10. FIELD AND POOL, OR WILDCAT<br>Basin Dakota                                     |  |
| 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 S.E. AND SURVEY OR AREA<br>Sec. 8, T-27-N, R-5-W N.M.P.M. |  |
| 16. NO. OF ACRES IN LEASE   |  |  | 12. COUNTY OR PARISH<br>Rio Arriba   |  |
| 17. NO. OF ACRES ASSIGNED TO THIS WELL<br>320.00  |  |  | 13. STATE<br>New Mexico  |  |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.                                       |  |  | 20. ROTARY OR CABLE TOOLS<br>Rotary  |  |
| 19. PROPOSED DEPTH<br>7885'   |  |  | 22. APPROX. DATE WORK WILL START*  |  |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>6603' 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#          | 200'          | 165 Sbs. to circulate       |
| 8 3/4"                                    | 7"             | 20#             | 3610'         | 155 Sbs. to cover Old Alamo |
| 6 1/4"                                    | 4 1/2"         | 10.5 & 11.6#    | 7885'         | 360 Sbs. to fill to 3610'   |

Selectively perforate and sand water fracture the Dakota formation.

The W/2 of Section 8 is dedicated to this well.



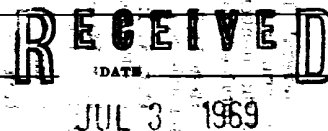
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Original Signed By:  
SIGNED L. O. Van Ryan TITLE Petroleum Engineer DATE 7-2-69

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY St TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

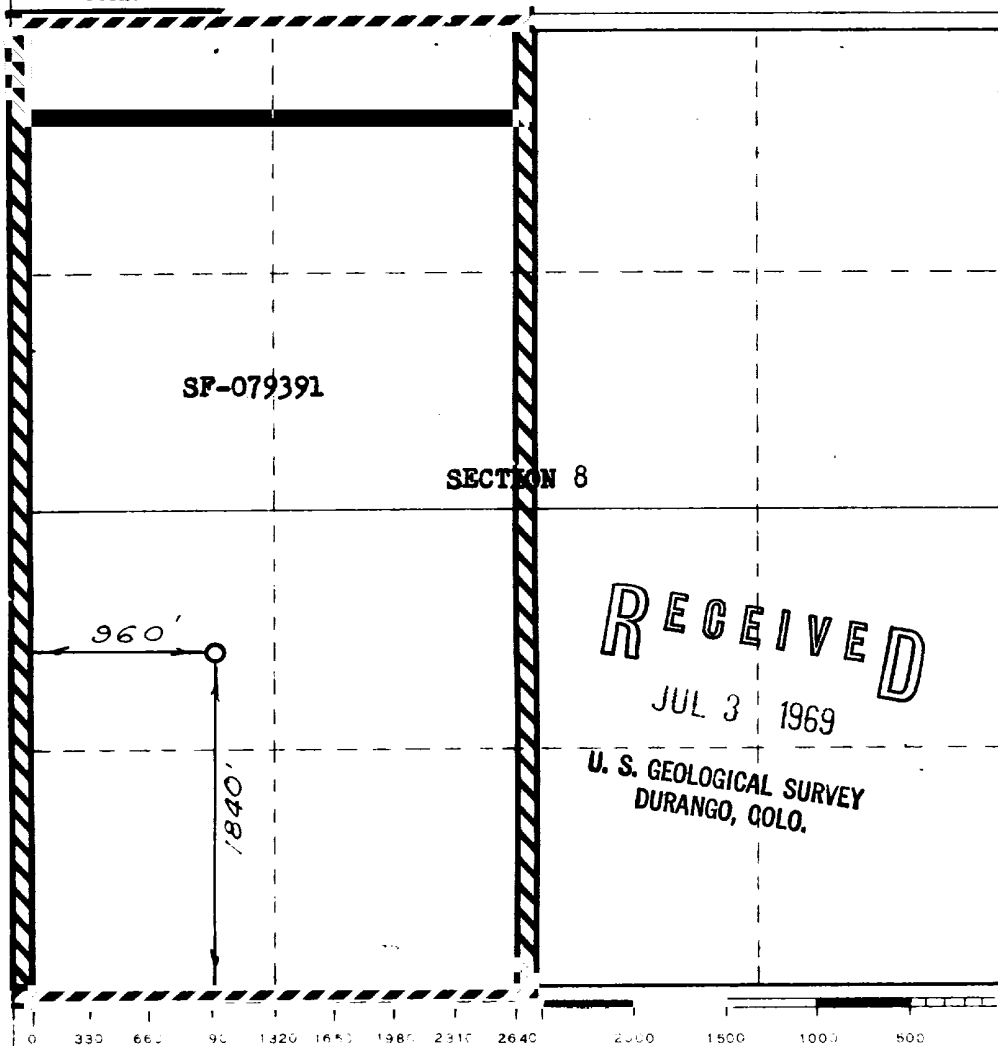
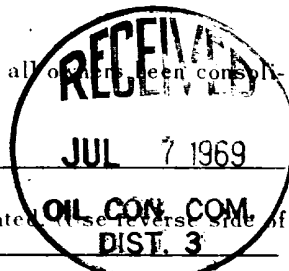
|   |                                      |  |  |                             |
|---|--------------------------------------|--|--|-----------------------------|
| Operator<br><b>EL PASO NATURAL GAS COMPANY</b>  |                                      | Lease<br><b>SAN JUAN 27-5 UNIT (SF-079391)</b> |  | Well No.<br><b>112</b>      |
| Unit Letter<br><b>L</b>   | Section<br><b>8</b>                  | Township<br><b>27-N</b>                        | Range<br><b>5-W</b>                      | County<br><b>RIO ARriba</b> |
| Actual Location of Well:<br><b>1840</b> feet from the <b>SOUTH</b> line and <b>960</b> feet from the <b>WEST</b> line |                                      |  |  |                             |
| Ground Level Elev.<br><b>6603</b>   | Producing Formation<br><b>DAKOTA</b> | Pool<br><b>BASIN DAKOTA</b>                    | Dedicated Acreage<br><b>320.00</b> Acres |                             |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to 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 **Unitization**

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

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Original Signed By:

Name **L. O. Van Ryan**  
**Petroleum Engineer**

Position  
**El Paso Natural Gas Company**

Company  
**July 2, 1969**

Date

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.

Date Surveyed  
**MARCH 31, 1969**

Registered Professional Engineer  
and Professional Surveyor

**David O. Kilburn**  
1760

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

|  |  |
|--|--|
| 1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER   | 7. UNIT AGREEMENT NAME<br><b>San Juan 27-5 Unit</b>  |
| 2. NAME OF OPERATOR<br><b>El Paso Natural Gas Company</b>  | 8. FARM OR LEASE NAME<br><b>San Juan 27-5 Unit</b>   |
| 3. ADDRESS OF OPERATOR<br><b>Box 990, Farmington, New Mexico</b>   | 9. WELL NO.<br><b>112</b>  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br><b>At surface<br/>1840' S, 960' W</b> | 10. FIELD AND POOL, OR WILDCAT<br><b>Basin Dakota</b>  |
| 14. PERMIT NO.   | 11. SEC., T., R., M., OR BLK. AND<br>SURVEY OR AREA<br><b>Sec. 6, T-27-N, R-5-W<br/>E.N.P.M.</b> |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br><b>6603' GL</b>  | 12. COUNTY OR PARISH<br><b>Rio Arriba</b>  |
|  | 13. STATE<br><b>New Mexico</b>   |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

|  |   |
|--|---|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>    |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>             |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANS <input type="checkbox"/>         |
| (Other) <input type="checkbox"/>             |   |

SUBSEQUENT REPORT OF:

|  |  |
|--|--|
| WATER SHUT-OFF <input checked="" type="checkbox"/>     | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREATMENT <input checked="" type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOTING OR ACIDIZING <input type="checkbox"/>         | ABANDONMENT* <input type="checkbox"/>    |
| (Other) <input type="checkbox"/>                       |  |

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

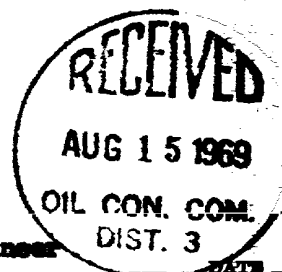
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and sections pertinent to this work.)\*

7-28-69: Spudded well, drilled surface hole and ran 7 joints 9 5/8", 32.30#, H-46 casing, 219' set at 235' w/165 sacks cement circulated to surface. W.O.C. 12 hrs., held 600#/30 minutes.

8-1-69: T.D. 3610'. Ran 116 joints 7", 20#, K-55 intermediate casing, 3606' set at 3610' w/155 sacks cement. W.O.C. 14 hrs., held 800#/30 min.

8-6-69: T.D. 7830', Ran 246 joints 4 1/2", 11.6 & 10.5#, H-80 + K-55 production casing, 7820' set at 7830' w/360 sacks cement. W.O.C. 18 hrs.

8-7-69: P.B.T.D. 7809'. Perf 7572-84, 7595-7607, 7698-7710, 7747-59, 7778-90 w/18 SFL. Sandwater frac w/68,000# 40/60 sand, 79,170 gallon water, flushed w/water, dropped 3 sets of 18 balls.



18. I hereby certify that the foregoing is true and correct

SIGNED Original Signed F. H. WOOD

TITLE Petroleum Engineer

DATE August 12, 1969

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_



DATE AUG 14 1969

\*See Instructions on Reverse Side

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.

*80*