

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

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. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME San Juan 27-5 Unit
2. NAME OF OPERATOR El Paso Natural Gas Company	8. FARM OR LEASE NAME San Juan 27-5 Unit
3. ADDRESS OF OPERATOR Post Office Box 4289, Farmington, NM 87499	9. WELL NO. 97M
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1000'N, 1000'W	10. FIELD AND POOL, OR WILDCAT Blanco MV/Basin Dk
14. PERMIT NO.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA D Sec. 31, T-27-N, R- 5-W
15. ELEVATIONS (Show whether B.P. or T.P.) 6596'GL	12. COUNTY OR PARISH Rio Arriba
	13. STATE NM

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 type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input 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 zones pertinent to this work.)\*

This location was permitted to drill as the San Juan 27-5 Unit #54A, a Mesa Verde well. Due to a change of plans, it is intended to drill this location as the San Juan 27-5 Unit #97M, a Mesa Verde - Dakota dual.

Attached is a revised well location plat and operations plan for this well.

Please amend our drilling permit to show the name change and the dual completion.

RECEIVED  
AUG 15 1985  
OIL CON. DIV.  
DIST. 3

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

SIGNED [Signature]

TITLE Drilling Clerk

(This space for Federal or State office use)

APPROVED 7-30-85

AS AMENDED

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

TITLE \_\_\_\_\_

DATE AUG 14 1985

[Signature]  
M. MILLENBACH  
AREA MANAGER

\*See Instructions on Reverse Side

NMOCC

OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-

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

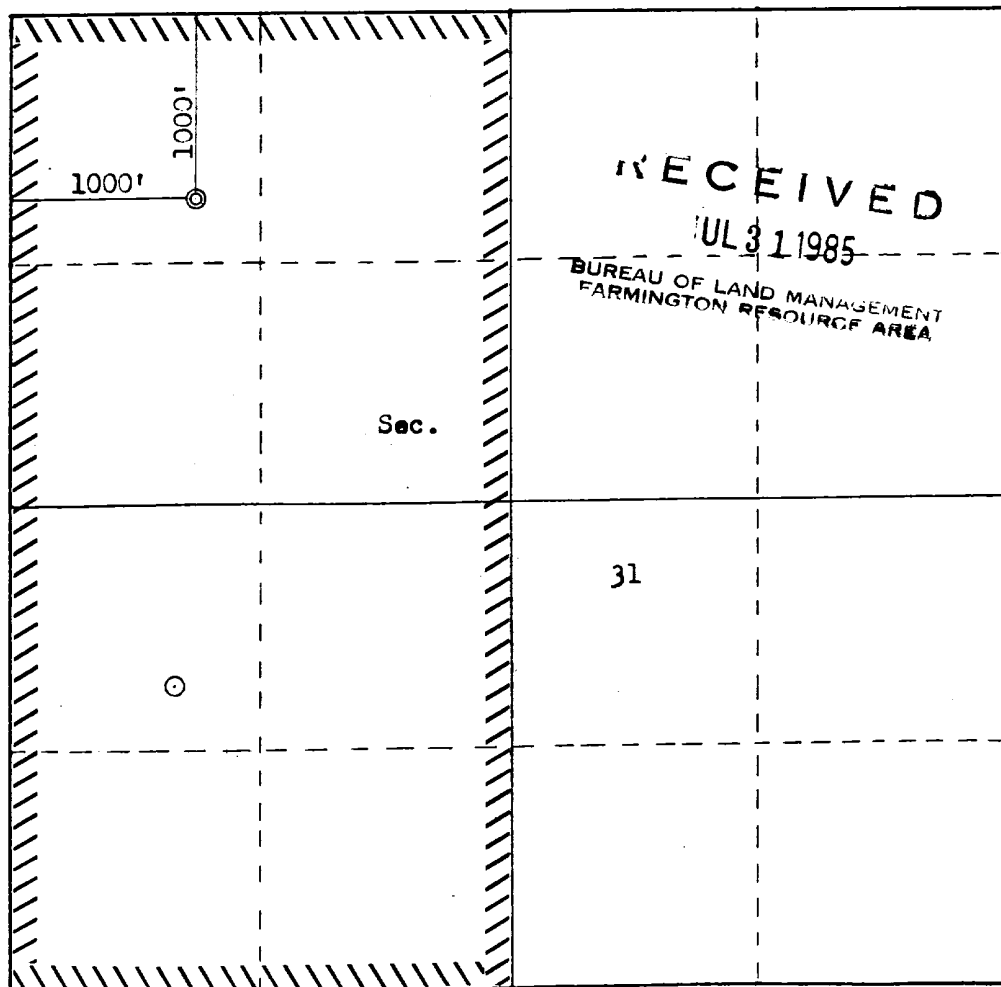
Operator <b>EL PASO NATURAL GAS COMPANY</b>			Lease <b>SAN JUAN 27-5 UNIT (SE 079367)</b>		Well No. <b>97M</b>
Unit Letter <b>D</b>	Section <b>31</b>	Township <b>27N</b>	Range <b>5W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>1000</b> feet from the <b>North</b> line and <b>1000</b> feet from the <b>West</b> line					
Ground Level Elev: <b>6596</b>	Producing Formation <b>Mesa Verde /Dakota</b>		Pool <b>Blanco /Basin</b>	Dedicated Acreage <b>319.08</b> <b>W 319.08 Acres</b>	

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. Note: Plat reissued this location was San Juan 27-5 Unit #54A.



Scale: 1"=1000'

CERTIFICATION

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

Name  
**Drilling Clerk**  
Position  
**El Paso Natural Gas Co.**  
Company  
**July 30, 1985**  
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  
**October 31, 1984**  
Registered Professional Engineer  
and Land Surveyor  
**Fred B. Kerr Jr.**  
Certificate No.  
**3950**

Operations Plan - EPNG San Juan 27-5 Unit #97M

I. Location: 1000'N, 1000'W, Sec.31, T-27-N, R-05-W, Rio Arriba Co., NM

Field: Blanco MV/Basin Dk

Elevation: 6596'GL

II. Geology

A. Formation Tops:	Surface	San Jose	Menefee	5026'
	Ojo Alamo	2550'	Pt. Lookout	5466'
	Kirtland	2755'	Gallup	6440'
	Fruitland	3072'	Greenhorn	7365'
	Pictured Cliffs	3254'	Graneros	7421'
	Lewis	3350'	Dakota	7570'
	Mesa Verde	4946'	Total Depth	7695'

B. Logging Program: IND-GR, GR-D-N @ 6065' and TD.

C. Coring Program: none.

D. Natural Gauges: 4215', 4935', 5015', 5455', 5655', 6430', 7355', 7410', 7560' and at Total Depth. Also gauge any noticeable increase in gas. Record all gauges in daily drilling report and on morning report.

III. Drilling:

A. Mud Program: Mud from surface to 3450'. Gas from intermediate to Total Depth.

IV. Materials:

A. Casing Program:	<u>Hole Size</u>	<u>Depth</u>	<u>Csg. Size</u>	<u>Wt. &amp; Grade</u>
	17 1/2"	200'	13 3/8"	40.0#H-40
	12 1/4"	3450'	9 5/8"	40.0#N-80
	8 3/4"	3300-6065'	7"	23.0#N-80
	6 1/4"	5915-7695'	4 1/2"	11.6#N-80

B. Float Equipment: 13 3/8" surface casing - guide shoe.

9 5/8" intermediate casing - guide shoe and differential automatic fill up float collar. 5 rigid centralizers, one every other joint above shoe. Run float two joints above shoe.

7" liner - 7" liner hanger with neoprene packoff. Geyser shoe and flapper type float collar. Four centralizers, one each on every other joint above shoe.

4 1/2" liner - 4 1/2" liner hanger with neoprene packoff. Geyser shoe and flapper type float collar.

C. Tubing: 5915' of 1 1/2", 2.9#, J-55 EUE 10rd tubing with a perf sub and common pump seating nipple one joint above bottom. Bottom joint to be bull plugged.  
7695' of 2 3/8", 4.7#, J-55 EUE 8rd tubing open ended on bottom with common pump seating nipple and pump out plug one joint above bottom..

D. Wellhead Equipment: 12" 3000 x 13 3/8" casing head. 12" 3000 x 10" 3000 dual xmas tree.

V. Cementing:

13 3/8" surface casing - use 235 sks. Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (277 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600#/30 minutes.

9 5/8" intermediate casing - use 275 sks. 65/35 Class "B" Poz with 6% gel, 2% calcium chloride (8.3 gallons water per sack) followed by 100 sks. Class "B" with 2% calcium chloride (564 cu.ft. of slurry, 100% excess to cover Ojo Alamo). Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1200#/30 minutes.

7" liner - precede cement with 30 bbls. gel water (3 sks. gel). Cement with 510 sks. 50/50 Class "B" Poz with 2% gel, 6.25# gilsonite, 1/4# flocele and 0.6% Halad 9 (or equivalent fluid loss additive)(709 cu.ft. of slurry, 70% excess to circulate liner). WOC 12 hours. Test casing to 1200#/30 minutes.

4 1/2" liner - precede cement with 40 bbls. gel water (4 sks. gel). Cement with 90 sks. Class "B" cement w/8% gel, 1/4 cu.ft. fine gilsonite per sack and 0.4% HR-7 followed by 100 sks. Class "B" cement with 1/4# fine tuf-plug per sack and 0.4% HR-7 (313 cu.ft. of slurry, 70% excess to fill to circulate liner). WOC 18 hours.

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