

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.  
5. LEASE DESIGNATION AND SERIAL NO.

SF 079493

C. IF INDIAN, ALLOTTEE OR TRIBE NAME

## 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 ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

Box 990, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

1750'N, 850'W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6599'GL

7. UNIT AGREEMENT NAME

San Juan 27-5 Unit

8. FARM OR LEASE NAME

San Juan 27-5 Unit

9. WELL NO.

184

10. FIELD AND FOOL, OR WILDCAT

Tapacito Pictured Cliffs

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Sec. 25, T-27-N, R-5-W

NMDM

12. COUNTY OR PARISH 13. STATE

Rio Arriba

New Mexico

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

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(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 perti-  
nent to this work.)\*

4-20-74 Tested surface casing; held 600#/30 minutes.

4-24-74 T.D. 3528'. Ran 116 joints 2 7/8", 6.4#, J-55 production casing, 3517'  
set at 3528'. Baffle set at 3517'. Cemented with 225 cu.ft. cement.  
WOC 18 hours. Top of cement at 2450'.5-2-74 Tested casing to 4000#-OK.  
PBTD 3517'. Perf'd 3424-36', 3474-84' with 12 shots per zone. Frac'd  
with 24,000# 10/20 sand and 24,570 gallons treated water. Dropped one  
set of 12 balls. Flushed with 840 gallons water.

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

SIGNED

TITLE Drilling Clerk

DATE 5-4-74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE May 31, 1974

Operator El Paso Natural Gas Company		Lease San Juan 27-5 Unit #184	
Location 1750/S, 850/W, Sec. 25, T27N, R5W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Tapacito	
Casing: Diameter 2.875	Set At: Feet 3528'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3424	To 3484	Total Depth: PBD 3528' 3517'	Shut In 5-21-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 750	+ 12 = PSIA 762	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 3	+ 12 = PSIA 15		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 19	
Temperature: T = 62 °F	F <sub>t</sub> = .9981	n = .85	F <sub>pv</sub> (From Tables) 1.0040	Gravity .655	F <sub>g</sub> = .9571

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_t \times F_g \times F_{pv}$$

$$Q = 12.365(15)(.9981)(.9571)(1.0040) = \underline{178} \text{ MCF/D}$$

$$\text{OPEN FLOW} = Aof = Q \left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

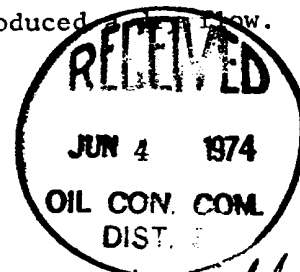
$$Aof = Q \left( \frac{580644}{580283} \right)^n = 178(1.0006)^{.85} = 178(1.0005)$$

$$Aof = \underline{178} \text{ MCF/D}$$

Note: The well produced a flow.

TESTED BY F. Johnson

WITNESSED BY \_\_\_\_\_



Loren W. Fothergill  
Loren W. Fothergill  
Well Test Engineer