Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

## 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 Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR
El Paso Natuarl Gas Company

3. ADDRESS OF OPERATOR
Box 289, Farmington, New Mexico 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1840' N, 1190'E
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
SF 079519A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
San Juan 28-5 Unit

8. FARM OR LEASE NAME
San Juan 28-5 Unit

9. WELL NO.
103

10. FIELD OR WILDCAT NAME
Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 23, T-28-N, R-5-W N.M.P.M.

12. COUNTY OR PARISH
Rio Arriba

13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7462' G.L.

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| REQUEST FOR APPROVAL TO: | | SUBSEQUENT REPORT OF: | |
|---|---|---|---|
| TEST WATER SHUT-OFF | ☐ | | ☐ |
| FRACTURE TREAT | ☐ | | ☐ |
| SHOOT OR ACIDIZE | ☐ | | ☐ |
| REPAIR WELL | ☐ | | ☐ |
| PULL OR ALTER CASING | ☐ | | ☐ |
| MULTIPLE COMPLETE | ☐ | | ☐ |
| CHANGE ZONES | ☐ | | ☐ |
| ABANDON* | ☐ | | ☐ |
| (other) RE-FRAC & RE-PERFED | | | |

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

10-1-79: PBTD 8841'. Tested casing 4000#, OK. Perfed 8672-8678,8726-8733,8744-8760, 8814-8820,8828-8844,8856-8864' W/12 SPZ. Fraced w/ 80,820# 20/40 sand 65,762 gal. wtr. Dropped 5 sets of 12 balls each. Flushed w/5754 gal. wtr.

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OIL CON. COM.
DIST. 3

Subsurface Safety Valve: Manu. and Type _____ Set @ _____

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

SIGNED W. G. Gusco TITLE Drilling Clerk DATE October 3, 1979

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

OCT 10 1979

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

*See Instructions on Reverse Side

FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

# OPEN FLOW TEST DATA

DATE Oct. 17, 1979

| | | | |
|---|---|---|---|
| Operator: El Paso Natural Gas Company | | Lease: San Juan 28-5 Unit #103 | |
| Location: NE 23-28-05 | | County: Rio Arriba | State: New Mexico |
| Formation: Dakota | | Pool: Basin | |
| Casing: Diameter: 4.500 | Set At: Feet: 8854 | Tubing: Diameter: 1 1/2 | Set At: Feet: 8824 |
| Pay Zone: From: 8672 | To: 8864 | Total Depth: 8854 | Shut In: 10-5-79 |
| Stimulation Method: Sand Water Frac | | Flow Through Casing | Flow Through Tubing |

| | | | | |
|---|---|---|---|---|
| Choke Size, Inches | Choke Constant: C | | | |
| Shut-In Pressure, Casing, PSIG: 2480 | + 12 = PSIA: 2492 | Days Shut-In: 12 | Shut-In Pressure, Tubing PSIG: 2435 | + 12 = PSIA: 2447 |
| Flowing Pressure: P PSIG | + 12 = PSIA | | Working Pressure: $P_w$ PSIG | + 12 = PSIA |
| Temperature: T= °F Ft= | n = | | Fpv (From Tables) | Gravity Fg = |

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

$Q =$ = _____ MCF/D

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

$Aof = Q \left( \quad \right)^n =$

Aof = _____ MCF/D

TESTED BY J. Easley

WITNESSED BY _____

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DIST. 3

C. R. Wagner
Well Test Engineer