

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. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. SF078498
2. NAME OF OPERATOR El Paso Natural Gas Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 990, Farmington, NM 87401		7. UNIT AGREEMENT NAME San Juan 28-4 Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 800'N, 1450'E		8. FARM OR LEASE NAME San Juan 28-4 Unit
14. PERMIT NO.		9. WELL NO. 230
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6139' GL		10. FIELD AND POOL, OR WILDCAT Basin Dakota
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 29, T-28-N, R-7-W N.M.P.M.
		12. COUNTY OR PARISH Rio Arriba
		13. STATE 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 pertinent to this work.) *

- 09-29-74 TD 3040'. Ran 73 joints 7", 20#, K-55 intermediate casing, 3027' set at 3040'. Cemented with 256 cu. ft. cement. WOC 12 hours, held 1200#/30 minutes. Top of cement at 1675'.
- 10-05-74 TD 7245'. Ran 227 joints 4 1/2", 10.5 and 11.6#, K-55 production casing, 7234' set at 7245'. Float collar set at 7237'. Cemented with 648 cu. ft. cement. WOC 18 hours, top of cement at 2100'.
- 11-06-74 PBTD 7237'. Tested casing to 4000#, OK. Perf'd 7009', 7016', 7126', 7154', 7170' and 7184' with 1 shot per zone. Frac'd with 60,000# 40/60 sand and 65,150 gallons treated water. No ball drops. Flushed with 4800 gallons water.

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

SIGNED A. J. Duce

TITLE Drilling Clerk

DATE November 12, 1974

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

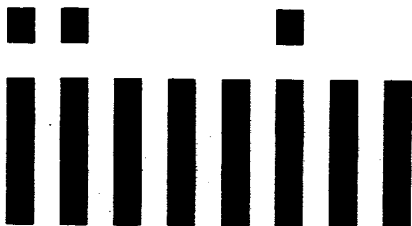
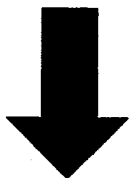
DATE _____

*See Instructions on Reverse Side

Job separation sheet



LTR



EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 4, 1974

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit #230	
Location 800/N, 1450'/E, Sec. 29, T28N, R7W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7245'	Tubing: Diameter 1.900'	Set At: Feet 7158'
Pay Zone: From 7009	To 7184	Total Depth: PBDT 7245' 7237'	Shut In 11-8-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Meter Choke Size, Inches 4" MR		Orifice Orifice 2.500		Choke Constant: C 32.64		Well tested thru a 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 2535		+ 12 = PSIA 2547		Days Shut-In 32		Shut-In Pressure, Tubing PSIG 2535	
Flowing Pressure: P MR 72 WH 228		+ 12 = PSIA MR 84 WH 240		Working Pressure: P _w 453		+ 12 = PSIA 465	
Temperature: T = 68 °F Ft = 0.9924		n = .75		F _{pv} (From Tables) 1.022		Gravity 0.650 F _g = 1.240	

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

$$Q = \text{Calculated from orifice meter readings} = \underline{\hspace{2cm}} 2490 \text{ MCF/D}$$

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

$$Aof = C \left(\frac{6487209}{6270984} \right)^n = 2490(1.0345)^{.75} = 2490(1.0258)$$

$$Aof = \underline{\hspace{2cm}} 2554 \text{ MCF/D}$$

Note: The well produced 3.70 Bbls. of water and 4.48 Bbls. of 57.5 API gravity oil.

TESTED BY C. Rhames & D. Norton

WITNESSED BY _____

Loren W. Fothergill
Loren W. Fothergill
Well Test Engineer

