

Initial Deliverability  
Test

Form C-123-A  
Revised April 20, 1955

NEW MEXICO OIL CONSERVATION COMMISSION  
GAS WELL TEST DATA SHEET - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA  
EXCEPT BARKER DOME STORAGE AREA)

Pool Blanco Formation Navajo County Santa Fe  
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed \_\_\_\_\_  
Operator El Paso Natural Gas Lease San Juan 22-5 Well No. 11  
Unit 2 Sec. 22 Twp. 22N Rge. 2E Pay Zone: From 5000 To 5200  
Casing: OD 21.5 WT. 21.5 Set At 5010 Tubing: OD 2 WT. 4.7 T. Perf. 5000  
Produced Through: Casing \_\_\_\_\_ Tubing X Gas Gravity: Measured 0.65 Estimated \_\_\_\_\_  
Date of Flow Test: From 1/1/56 To 1/31/56 \* Date S.I.P. Measured 1/1/56  
Meter Run Size 1 Orifice Size 1.500 Type Chart 2-1/2 Type Taps Flange

OBSERVED DATA

Flowing casing pressure (Dwt) \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (a)  
Flowing tubing pressure (Dwt) \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (b)  
Flowing meter pressure (Dwt) \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (c)  
Flowing meter pressure (meter reading when Dwt. measurement taken:  
Normal chart reading \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (d)  
Square root chart reading ( ) <sup>2</sup> x spring constant \_\_\_\_\_ psia (d)  
Meter error (c) - (d) or (d) - (c) \_\_\_\_\_ psi (e)  
Friction loss, Flowing column to meter:  
(b) - (c) Flow through tubing: (a) - (c) Flow through casing \_\_\_\_\_ psi (f)  
Seven day average static meter pressure (from meter chart):  
Normal chart average reading \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (g)  
Square root chart average reading ( ) <sup>2</sup> x sp. const. \_\_\_\_\_ psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ psia (h)  
P<sub>i</sub> = (h) + (f) \_\_\_\_\_ psia (i)  
Wellhead casing shut-in pressure (Dwt) \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (j)  
Wellhead tubing shut-in pressure (Dwt) \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ psia (l)  
Flowing Temp. (Meter Run) \_\_\_\_\_ °F + 460 \_\_\_\_\_ °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ psia (n)

FLOW RATE CALCULATION

$$Q = \frac{2.00}{(\text{Integrated})} \times \left( \frac{V(c)}{V(d)} \right) = \text{_____ MCF/day}$$

DELIVERABILITY CALCULATION

$$D = Q \times \left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{_____ MCF/day}$$

SUMMARY

P<sub>c</sub> = \_\_\_\_\_ psia  
Q = \_\_\_\_\_ MCF/day  
P<sub>w</sub> = \_\_\_\_\_ psia  
P<sub>d</sub> = \_\_\_\_\_ psia  
D = \_\_\_\_\_ MCF/day  
Company El Paso Natural Gas Company  
By Original Signed  
Title Louis D. Galloway  
Witnessed by \_\_\_\_\_  
Company \_\_\_\_\_

- \* This is date of completion test.
- \* Meter error correction factor \_\_\_\_\_

REMARKS OR FRICTION CALCULATIONS

| GL | $\frac{Q^2}{(1-e^{-Q})}$ | $(F_c Q)^2$ | $(F_c Q)^2 (1-e^{-Q})$ | $P_i^2$    | $P_i^2 + R^2$ | $P_w$ |
|----|--------------------------|-------------|------------------------|------------|---------------|-------|
|    |                          |             | $R^2$                  | (Column 1) |               |       |

2 - 300 - 110

*[Signature]*

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