

Initial Deliverability
Test

Form C-122-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 ATEO Formation FRUITLAND CLIFFS County SAN JUAN
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 6-22-57
Operator EL PASO NATURAL GAS COMPANY Well No. 1
Unit 1 Sec. 26 Twp. 23N Rge. 2E Pay Zone: From 2206 To 2209
Casing: OD 5-1/2" WT 25.50 Set At 2106 Tubing: OD 1 1/2" WT 2.30 T. Perf. 2326
Produced Through: Casing 2 Tubing 2 Gas Gravity: Measured 0.60 Estimated 0.60
Date of Flow Test: From 5-16-57 To 5-23-57 Date S.I.P. Measured 12-22-56
Meter Run Size 4" Orifice Size 1.250 Type Chart 20-100 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 (_____) ² x spring constant _____ psia (d)
Meter error (c) - (d) or (d) - (c) _____ psi (e)
Friction loss, Flowing column to meter: _____ psi (f)
(b) - (c) Flow through tubing; (a) - (c) Flow through casing
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 _____ psia (g)
Square root chart average reading (7.50) ² x sp. const. 5 _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ psia (h)
P_t = (h) + (f) _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 600 psig + 12 700 psia (j)
Wellhead tubing shut-in pressure (Dwt) 600 psig + 12 700 psia (k)
P_c = (j) or (k) whichever well flowed through _____ psia (l)
Flowing Temp. (Meter Run) 54 °F + 460 _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \text{_____ MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 516 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{_____ MCF/da.}$
 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right] = \frac{700^2 - 423^2}{700^2 - 511^2} = 0.908$

SUMMARY

P_c = 700 psia
Q = 516 Mcf/day
P_w = 511 psia
P_d = 423 psia
D = 423 Mcf/day

Company EL PASO NATURAL GAS COMPANY
By Chapman
Title Engineer
Witnessed by _____
Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-s})	(F _c Q) ²	(F _e Q) ² R ²	(1-e ^{-s}) P _i ²	P _i ² + R ²	P _w



Handwritten text, mostly illegible due to fading and bleed-through. The text appears to be organized into several paragraphs, with some lines starting with capital letters. The handwriting is cursive and somewhat slanted.

Handwritten signature or name, possibly "J. J. [illegible]".

Handwritten initials or a small mark at the bottom left corner, possibly "J. J.".