

Initial
Deliverability

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

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

Pool Miller Formation Pictured Cliff County El Arriba
Well Name Chaparral No. 70
Unit A S 21 T 23 R 6 Pay Zone 2610 To 2666 Flow String Tubing
Casing O D 9-1/2 Wt 15.5 Set at 2707 Tubing O D 1.660 Wt 2.4 L 2812 Top Perf.
Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Date Flow Press. Meas.

Period of test flow

SIP Measured

From 8-15-62 To 8-23-62 3-7-62

Deadweight Flowing Pressure, psia

Flowing Pressure psia

Casing _____ (a) Tubing _____ (b) Meter _____ (c) Chart _____ (d)

Deadweight Shut-in Pressures, psia

Meter Error

Friction Loss

Casing 408 (j) Tubing 408 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia

Chart 211 (g) Corrected 211 (h) P_t 211 (i) Gravity .668

PERFORATION EFFICIENCY

G. L. = _____ $1-e^{-s} =$ _____ $(F_c Q)^2 =$ _____

$(1-e^{-s})(F_c Q)^2 = R^2 =$ _____ $P_t^2 =$ _____ $P_w^2 =$ Use P_c^2

$Q = \frac{27}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \right] = 27$

$D = Q \frac{27}{\left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{1.0038}{1.0002} \right]^N = \frac{1.0002}{1.0002} \right)} = 28$

An injector was installed. Turned back on production 7-31-62.



SUMMARY

$P_c =$ 408 psia
 $Q =$ 27 MCF/D
 $P_w =$ 211 psia
 $P_d =$ 204 psia
 $D =$ 28 MCF/D

Company EL PASO NATURAL GAS COMPANY
By H. L. Kendrick
Title Sr. Gas Engineer
Witnessed By _____
Company _____

