

Initial
Deliverability Test

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

FORM C-122-A
(EL PASO - 2-1-61)

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

Pool Blanco Formation Mesa Verde County Rio Arriba

Well Name San Juan Unit 27-5 No. 8 (NW) (GMS) 71-110

Unit 1 S 32 T 27 R 5 Pay Zone 4930 To 5468 Flow String Tubing

Casing O D 4-1/2 Wt 10.5 Set at 5925 Tubing O D 2-3/8 Wt 4.7 L 5409 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 12-10-61 To 12-18-61 7-29-60

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 1037 (j) Tubing 879 (k) (e) (f)

7 Day Avg. Flowing Pres., psia

Chart 540 (g) Corrected 549 (h) P_t 540 (i) Gravity .601

G. L. = 3684 $1-e^{-s} =$.875 $(F_c Q)^2 =$ 173.001

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 40655 $P_i^2 =$ 291600 $P_w^2 =$ 332295

$Q =$ 1399 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} \right] =$ 1399

$D = Q$ 1399 $\times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^{1.2280} \right) =$ 1718

SUMMARY

$P_c =$ 879 psia
 $Q =$ 1399 MCF/D
 $P_w =$ 576 psia
 $P_d =$ 440 psia
 $D =$ 1718 MCF/D

Company

By

Title

Witnessed By

Company

EL PASO NATURAL GAS COMPANY

E. K. Kendrick
Sr. Gas Engineer


