

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 South Blanco Formation Pictured Cliff County Rio Arriba

Well Name San Juan Unit 28-7 No. 121 73-060

Unit B S 15 T 27 R 7 Pay Zone 3187 To 3248 Flow String Casing

Casing O D 2-7/8 Wt 6.4 Set at 3295 Tubing O D None Wt L 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 11-27-61 To 12-4-61 8-17-61

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 893 (j) Tubing (k) (e) (f)

7 Day Avg. Flowing Pres., psia
Chart 221 (g) Corrected 221 (h) P_t 221 (i) Gravity .648

G. L. = 2065 $1-e^{-s}$ = .139 $(F_c Q)^2$ = 20.313

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 2824 $P_i^2 =$ 4881.1 $P_w^2 =$ 51665

$Q =$ 812 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} \right] =$ 812

$D = Q$ 812 $\times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right] = \right.$.8012 $\left. \right)^N =$.8283 $=$ 673

SUMMARY

$P_c =$ 893 psia
 $Q =$ 812 MCF/D
 $P_w =$ 227 psia
 $P_d =$ 447 psia
 $D =$ 673 MCF/D

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

