

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 So. Blanco Formation Pictured Cliff County Rio Arriba

Well Name San Juan Unit 28-7 No. 122 73-061

Unit N S 18 T 27 R 7 Pay Zone 2905 To 2928 Flow String Casing

Casing O D 2-7/8 Wt 4.7 Set at 2991 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 12-5-61 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 830 (j) Tubing (k) (e) (f)

7 Day Avg. Flowing Pres., psia

Chart 221 (g) Corrected 221 (h) P_t 221 (i) Gravity .675

G. L. = 1961 $1-e^{-s}$ = .133 $(F_c Q)^2$ = 2262

$(1-e^{-s})(F_c Q)^2 = R^2$ = 301 P_t^2 = 48841 P_w^2 = 49142

$Q = \frac{271}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = 271$

$D = Q \times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{516675}{639758} = \frac{.8076}{.8339} = 226$

SUMMARY

P_c = 830 psia
 Q = 271 MCF/D
 P_w = 222 psia
 P_d = 415 psia
 D = 226 MCF/D

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