

Initial
Deliverability Test

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

(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 San Juan
Well Name Gardening No. 2-A 90-020
Unit M S 22 T 28 R 8 Pay Zone 4522 To 4650 Flow String Tubing
Casing O D 4.5 Wt 10.5 Set at 4764 Tubing O D 2.375 Wt 4.7 L 4594 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 1-29-62 To 2-6-62 11-21-61

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 969 (j) Tubing 969 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia _____
Chart 586 (g) Corrected 586 (h) P_t 586 (i) Gravity .690

FLATLINE DELIVERABILITY

G. L. = _____ $1-e^{-5}$ = _____ $(F_c Q)^2$ = _____

$(1-e^{-5})(F_c Q)^2 = R^2 =$ _____ $P_1^2 =$ _____ $P_w^2 =$ Use P_c²

$Q = \frac{156}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{156}{1}$

$D = Q \frac{156}{1} \times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{1.1816}{1.1332} \right)^N = \frac{1.1332}{1.1332} = 177$



SUMMARY

P_c = 969 psia
Q = 156 MCF/D
P_w = 586 psia
P_d = 485 psia
D = 177 MCF/D

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

