

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 San Juan

Well Name Sullivan No. 1 (GWR) 70-442

Unit H S 7 T 30 R 10 Pay Zone 4402 To 4405 Flow String Tubing

Casing O D 7.000 Wt 23 Set at 4907 Tubing O D 2.375 Wt 4.7 L 4436 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 12-16-62 To 12-22-62 4-9-62

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 883 (j) Tubing 808 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia _____
Chart 446 (g) Corrected 446 (h) P_t 446 (i) Gravity .645

G. L. = 2950 $1-e^{-s} =$.193 $(F_c Q)^2 =$ 2.978

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 565 $P_i^2 =$ 190716 $P_w^2 =$ 199481

$Q = \frac{182}{(\text{integrated})} \times \left[\frac{(c)}{(d)} \right] = \frac{182}{1} = 182$

$D = Q \frac{182}{1} \times \left(\frac{\left(\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right)}{\left(\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right)} \right)^N = \frac{1.0070}{1.0052} = 183$

SUMMARY

$P_c =$ 883 psia

$Q =$ 182 MCF/D

$P_w =$ 447 psia

$P_d =$ 442 psia

$D =$ 183 MCF/D

Company EL PASO NATURAL GAS COMPANY

By H. L. Kendrick

Title Dr. Gas Engineer

Witnessed By _____

Company _____



