

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 North El Paso Formation Pictured Cliff County El Paso
Well Name San Juan Unit 27-5 No. 68 (100) 86-100
Unit A S 33 T 27 R 5 Pay Zone 3050 To 3510 Flow String Casing
Casing O D 7" Wt 20.0 Set at 3045 Tubing O D 1.25 Wt 2.4 L 3065 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 1-3-62 To 1-11-62 9-22-62

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

7 Day Avg. Flowing Pres., psia

Chart 570 (g) Corrected 570 (h) P_f 570 (i) Gravity .654

G. L. = 2135 $1-e^{-s} =$.144 $(F_c Q)^2 =$.0092

FRICTION NEGLECTED

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

$Q =$ 162 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} = \right] =$ 162

$D = Q$ 162 $\times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \right. \right. \left. \left. - .9955 \right] = - .9960 \right)^N =$ 162

SUMMARY

$P_c =$ 1148 psia
 $Q =$ 162 MCF/D
 $P_w =$ 570 psia
 $P_d =$ 574 psia
 $D =$ 162 MCF/D

Company

By

Title

Witnessed By

Company



EL PASO NATURAL GAS COMPANY

H. L. Hendrick

Mr. Gas Engineer