

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 Reuda Formation Dakota County San Arriba
Well Name Random No. 166 73-308
Unit E S 32 T 27 R 6 Pay Zone 7300 To 7511 Flow String Tubing
Casing O D 4.500 Wt 11.6 Set at 7567 Tubing O D 2.375 Wt 4.7 L 7400 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 12-23-62 To 12-29-62 10-5-62

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 2460 (j) Tubing 2433 (k) (e) (f)

7 Day Avg. Flowing Pres., psia
Chart 504 (g) Corrected 504 (h) P_f 504 (i) Gravity .615

G. L. = 4025 $1-e^{-s} =$.796 $(F_c Q)^2 =$ 84,732

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 25001 $P_i^2 =$ 251,016 $P_w^2 =$ 279097

$Q =$ 979 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} \right] =$ 979

$D = Q$ 979 $\times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right] = \frac{1568261}{5811927} \right)^N = \frac{.7860}{.8317} =$ 817

SUMMARY

$P_c =$ 2460 psia
 $Q =$ 979 MCF/D
 $P_w =$ 528 psia
 $P_d =$ 1234 psia
 $D =$ 817 MCF/D

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