

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 Mudge No. 11 (MV) (OSRO) 70-575
Unit M S 10 T 31 R 11 Pay Zone 4972 To 5064 Flow String Tubing
Casing O D 5-1/2 Wt 15.5 Set at 7389 Tubing O D 1.660 Wt 2.4 L 4953 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 12-22-61 To 12-30-61 11-22-61

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

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

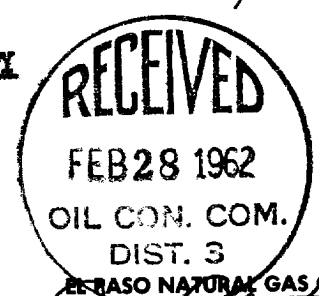
G. L. = $1-e^{-s}$ = $(F_c Q)^2$

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

$Q = \frac{588}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = 588$

$D = Q \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N \right) = 822$

CORRECTED COPY



SUMMARY

P_c = 797 psia
 Q = 588 MCF/D
 P_w = 575 psia
 P_d = 399 psia
 D = 822 MCF/D

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