

Initial
Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET — SAN JUAN BASIN

FORM C-122
(EL PASO - 2-7-61)

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, CHACRA, FARMINGTON
& ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA & UTE DOME.)

Pool Basin Formation Dakota County San Juan
Well Name Mudge No. 13 (DK) 73-068
Unit G S 20 T 11 Pay Zone 7146 To 7248 Flow String Tubing
Casing O D 4 Wt 11.34 Set at 7497 Tubing O D 2-1/16 Wt 3.25 L 7218 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 11-28-61 To 12-6-61 7-24-61

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 Dual (j) Tubing 1939 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia _____
Chart 533 (g) Corrected 533 (h) P_f 533 (i) Gravity .668

G. L. = 4822 $1-e^{-s} =$.296 $(F_c Q)^2 =$ 19.909

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 5893 $P_i^2 =$ 284089 $P_w^2 =$ 289982

$Q =$ 337 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} \right] =$ 337

$D = Q$ 337 $\times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N \right) =$ 288

SUMMARY

$P_c =$ 1939 psia
 $Q =$ 337 MCF/D
 $P_w =$ 538 psia
 $P_d =$ 970 psia
 $D =$ 288 MCF/D

Company _____
By H. L. Hendrick
Title Mr. Gas Engineer
Witnessed By _____
Company _____



