

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 Basin Formation dakota County Rio Arriba
Well Name San Juan Unit 28-7 No. 125 (DK) 73-062
Unit M S 12 T 27 R 7 Pay Zone 7512 To 7732 Flow String Tubing
Casing O D 4-1/2 Wt 11.6 Set at 7796 Tubing O D 2-3/8 Wt 4.7 L 7701 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 12-4-61 To 12-12-61 8-29-61

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 2433 (j) Tubing 2516 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia _____
Chart 640 (g) Corrected 640 (h) P_t 640 (i) Gravity .660

G. L. = 5083 $1-e^{-s} = .309$ $(F_c Q)^2 = 313.113$

$(1-e^{-s})(F_c Q)^2 = R^2 = 96752$ $P_i^2 = 409600$ $P_w^2 = 506352$

$Q = \frac{1882}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = 1882$

$D = Q \frac{1882}{\left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N} = \frac{4747632}{5823904} = .8152 = 1615$

SUMMARY

$P_c = 2516$ psia
 $Q = 1882$ MCF/D
 $P_w = 712$ psia
 $P_d = 1258$ psia
 $D = 1615$ MCF/D

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


