

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 SJU 28-6 No. 109 73-376

Unit B S1 T 27 R 6 Pay Zone 7512 To 7701 Flow String Tubing

Casing O D 4.500 Wt 11.6 Set at 7775 Tubing O D 2.375 Wt 4.7 L 7630 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 12-22-62 To 12-30-62 10-25-62

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 2603 (j) Tubing 2681 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia _____
Chart 526 (g) Corrected 526 (h) P_f 526 (i) Gravity .625

G. L. = 4769 $1-e^{-s}$ = .293 $(F_c Q)^2$ = 120.385

$(1-e^{-s})(F_c Q)^2 = R^2$ = 35273 P_f^2 = 276676 P_w^2 = 311919

$Q = \frac{1167}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{(c)}{(d)} \right] = \frac{1167}{1}$

$D = Q \frac{1167}{\left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{5102092}{6891907} \right)^N} = \frac{.7832}{.8330} = \frac{972}{1}$

SUMMARY

P_c = 2681 psia
 Q = 1167 MCF/D
 P_w = 559 psia
 P_d = 1312 psia
 D = 772 MCF/D

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


