

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 San Juan
Well Name Schwerdtfeger No. 20-A 73-171
Unit G S 8 T 27 R 8 Pay Zone 7285 To 7407 Flow String Tubing
Casing O D 4.5 Wt 10.5 Set at 7466 Tubing O D 2.375 Wt 4.7 L 7383 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 4-17-62 To 4-25-62 1-30-62

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 2072 (j) Tubing 2067 (k) (e) (f)

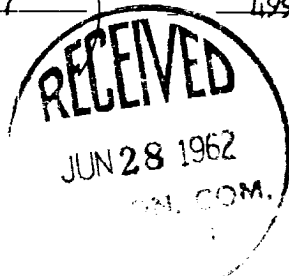
7 Day Avg. Flowing Pres., psia
Chart 570 (g) Corrected 570 (h) P_t 570 (i) Gravity 703

G. L. = 5190 $1-e^{-s}$ = .311 $(F_c Q)^2$ = 2991.3

$(1-e^{-s})(F_c Q)^2 = R^2$ = 94.02 P_i^2 = 324,900 P_w^2 = 334,302

$Q = \frac{582}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = 582$

$D = Q \times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = .8567 \times 1.99$



SUMMARY

P_c = 2067 psia
Q = 582 MCF/D
P_w = 579 psia
P_d = 1034 psia
D = 1.99 MCF/D

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