

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 Sellers No. 4-A 73-084

Unit 1 S 30 T 30 R 10 Pay Zone 6840 To 7060 Flow String Tubing

Casing O D 4-1/2 Wt 11.6 Set at 7121 Tubing O D 2-3/8 Wt 4.7 L 6891 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 12-12-61 To 12-20-61 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 2114 (j) Tubing 2126 (k) (e) (f)

7 Day Avg. Flowing Pres., psia

Chart 469 (g) Corrected 469 (h) P_f 469 (i) Gravity .613

G. L. = 4224 $1-e^{-s} =$.264 $(F_c Q)^2 =$ 37.234

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 9830 $P_i^2 =$ 219961 $P_w^2 =$ 229791

$Q =$ 649 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} \right] =$ 649

$D = Q$ 649 $\times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right] \right)^N =$.8381 $=$ 544

SUMMARY

$P_c =$ 2126 psia

$Q =$ 649 MCF/D

$P_w =$ 479 psia

$P_d =$ 1063 psia

$D =$ 544 MCF/D

Company

By

Title

Witnessed By

Company

EL PASO NATURAL GAS COMPANY

H. L. Kendrick

Sr. Gas Engineer



