

Initial
Deliverability Test

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

FORM G-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 Blanco Formation Mesa Verde County San Juan
Well Name Lucerne No. 1-A 70-788
Unit L S 9 T 51 R 10 Pay Zone 4637 To 5263 Flow String Tubing
Casing O D 7.0 Wt 23.0 Set at 4586 Tubing O D 2.375 Wt 4.7 L 4629 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 3-24-62 To 4-1-62 2-21-61

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 914 (j) Tubing 912 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia _____
Chart 519 (g) Corrected 519 (h) P_f 519 (i) Gravity .649

G. L. = 3004 $1-e^{-6} =$.196 $(F_c Q)^2 =$ 132.872

$(1-e^{-6})(F_c Q)^2 = R^2 =$ 26043 $P_i^2 =$ 269361 $P_w^2 =$ 295404

$Q =$ 1226 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} = \frac{(c)}{(d)} = \frac{(c)}{(d)} \right] =$ 1226

$D = Q$ 1226 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 1.1630 1.1200 1373

Perforated tubing at following depths: 4629, 4639, & 4689.
Production 3-2-62.

SUMMARY

$P_c =$ 912 psia
 $Q =$ 1226 MCF/D
 $P_w =$ 544 psia
 $P_d =$ 456 psia
 $D =$ 1373 MCF/D

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



