

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 Blanco Formation Mesa Verde County San Juan

Well Name Lucerne No. 4-A 70-948

Unit H S 10 T 31 R 10 Pay Zone 4667 To 5230 Flow String Casing

Casing O D 7.0 Wt 23.0 Set at 4610 Tubing O D 2.375 Wt 4.7 L 4678 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 4-1-62 To 4-9-62 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 894 (j) Tubing 885 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia _____
Chart 519 (g) Corrected 519 (h) P_t 519 (i) Gravity .698

FRICITION NEGLIGIBLE

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

$(1-e^{-s})(F_c Q)^2 = R^2 =$ _____ $P_i^2 =$ _____ $P_w^2 =$ Use P_t^2

$Q =$ 853 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} = \right] =$ 853

$D = Q$ 853 $\times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \right]^N = \right) =$ 936

Perforated tubing at 4711, 4739, 4800 and 4678. Turned back on production 3-2-62.

SUMMARY

$P_c =$ 894 psia
 $Q =$ 853 MCF/D
 $P_w =$ 519 psia
 $P_d =$ 447 psia
 $D =$ 936 MCF/D



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