

Initial
Deliverability Test

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

FORM C-122
(EL PASO - 2-7-61)

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, CHACRA, FARMINGTON
& ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA & UTE DOME.)

Pool North Blanco Formation Pictured Cliffs County Rio Arriba
Well Name Huerfania No. 13-F 72-994
Unit 2 S 16 T 26 R 5 Pay Zone 5113 To 5175 Flow String Casing
Casing O D 2-7/8 Wt 6.4 Set at 3050 Tubing O D None Wt L 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 09-28-61 To 10-06-61 6-20-61

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 995 (j) Tubing (k) (e) (f)

7 Day Avg. Flowing Pres., psia

Chart 221 (g) Corrected 221 (h) P_f 221 (i) Gravity .673

G. L. = 2095 $1-e^{-s} =$.242 $(F_c Q)^2 =$ 5.462

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 770 $P_i^2 =$ 48841 $P_w^2 =$ 49611

$Q =$ 421 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} = \frac{(c)}{(d)} = \frac{(c)}{(d)} \right] =$ 421

$D = Q$ 421 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{78001}{94014} \right)^N = \frac{.7890}{.6178} =$ 344

SUMMARY

$P_c =$ 995 psia
 $Q =$ 421 MCF/D
 $P_w =$ 223 psia
 $P_d =$ 498 psia
 $D =$ 344 MCF/D

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



