

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 Riddle No. 1-E (5778) 70-167

Unit L S 4 T 30 R 9 Pay Zone 4622 To 5220 Flow String Tubing

Casing O D 5-1/2 Wt 15-1/2 Set at 4336 Tubing O D 2-3/8 Wt 4.7 L 5163 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 12-5-61 To 12-13-61 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 (j) Tubing (k) (e) (f)

7 Day Avg. Flowing Pres., psia

Chart 490 (g) Corrected 490 (h) P_t 490 (i) Gravity .655

G. L. = 3382 $1-e^{-s} =$.218 $(F_c Q)^2 =$ 119.968

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 26153 $P_t^2 =$ 240100 $P_w^2 =$ 266253

$Q =$ 1165 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} = \right] =$ 1165

$D = Q$ 1165 $\times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{361227}{215383} \right]^N = \frac{1.6771}{1.4740} \right) =$ 1717

Use **SI** SIPC for P_c . SIFT too low.

SUMMARY

$P_c =$ 694 psia

$Q =$ 1165 MCF/D

$P_w =$ 516 psia

$P_d =$ 347 psia

$D =$ 1717 MCF/D

Company

By

Title

Witnessed By

Company

EL PASO NATURAL GAS COMPANY

H. L. Kendrick

Sr. Gas Engineer



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