Initial Deliverability Test

FORM C-122-A
(EL PASO - 2-1-61)

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

(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 Mudge No. 11 (MV) (OWWO) 70-575

Unit M S 10 T 31 R 11 Pay Zone 4972 To 5064 Flow String Tubing

Casing O D 5-1/2 Wt 15.5 Set at 7389 Tubing O D 1.660 Wt 2.4 L 4953 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 12-22-61	To 12-30-61	11-22-61

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 794 (j) Tubing 797 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia

Chart 533 (g) Corrected 533 (h) P_t 533 (i) Gravity .696

G. L. = 3447 $1-e^{-s}$ = .222 $(F_cQ)^2$ = 209.584

$(1-e^{-s})(F_cQ)^2 = R^2$ = 46528 P_t^2 = 284089 P_w^2 = 330617

Q = 588 (integrated) X $\left[\sqrt{\frac{(c)}{(d)} = \quad = \quad}\right]$ = 588

$D = Q$ 588 X $\left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.5627\right]^N = 1.3975\right)$ = 822

CORRECTED COPY

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FEB 28 1962
OIL CON. COM.
DIST. 3

SUMMARY

P_c = 797 psia

Q = 588 MCF/D

P_w = 575 psia

P_d = 399 psia

D = 822 MCF/D

Company EL PASO NATURAL GAS COMPANY

By H. L. Kendrick

Title Sr. Gas Engineer

Witnessed By _____

Company _____
