

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 Rio Arriba

Well Name San Juan Unit 28-6 No. 21 70-979

Unit M S 4 T 27 R 6 Pay Zone 4540 To 5240 Flow String Tubing

Casing O D 7 Wt 23 Set at 4520 Tubing O D 2-3/8 Wt 4.7 L 4446 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 10-24-61 To 11-1-61 6-13-61

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 856 (j) Tubing 677 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia

Chart 504 (g) Corrected 504 (h) P_f 504 (i) Gravity .684

G. L. = 3041 $1-e^{-s} =$.198 $(F_c Q)^2 =$ 1.988

FRICTION NEGLECTIBLE

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 394 $P_i^2 =$ Use P_f^2

$Q =$ 150 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} \right] =$ 150

$D = Q$ 150 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{347408}{204313} \right)^N = \frac{1.6807}{1.4760} =$ 221

An intermitter was installed. Turned back on Production 10-7-61

SUMMARY

$P_c =$ 677 psia

Company

$Q =$ 150 MCF/D

By

$P_w =$ 504 psia

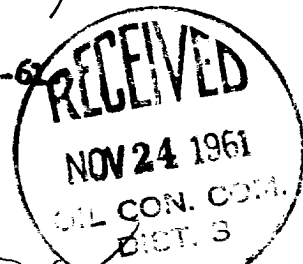
Title

$P_d =$ 339 psia

Witnessed By

$D =$ 221 MCF/D

Company



EL PASO NATURAL GAS COMPANY

H. L. KENDRICK

Sr. Gas Engineer
