

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 Basin Formation Dakota County San Juan

Well Name Stewart No. 8 73-027

Unit 1 S 28 T 30 R 10 Pay Zone 7052 To 7202 Flow String Tubing

Casing O D 4-1/2 Wt 11.6 Set at 7335 Tubing O D 2-3/8 Wt 4.7 L 7151 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 11-24-61 To 12-2-61 8-10-61

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 2085 (j) Tubing 2072 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia _____

Chart 504 (g) Corrected 504 (h) P_t 504 (i) Gravity .671

G. L. = 4798 $1-e^{-s} =$.295 $(F_c Q)^2 =$ 93.238

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 27505 $P_t^2 =$ 254016 $P_w^2 =$ 281521

$Q =$ 1027 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} = \right] =$ 1027

$D = Q$ 1027 $\times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{3219888}{4011663} \right]^N = \frac{.8026}{.8479} \right) =$ 871

SUMMARY

$P_c =$ <u>2072</u>	psia	Company	<u>EL PASO NATURAL GAS COMPANY</u>
$Q =$ <u>1027</u>	MCF/D	By	<u>H. L. Kendrick</u>
$P_w =$ <u>531</u>	psia	Title	<u>Sr. Gas Engineer</u>
$P_d =$ <u>1036</u>	psia	Witnessed By	_____
$D =$ <u>871</u>	MCF/D	Company	_____



