

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 Elanceo Formation Mesa Verde County Rio Arriba
Well Name San Juan 27-5 No. 8 D-448
Unit L S 32 T 27 R 5 Pay Zone 4070 To 5255 Flow String Casing
Casing O D 7 Wt 23 Set at 1800 Tubing O D 2-3/8 Wt 4.7 L 5471 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 7-29-61 To 8-6-61 7-29-60

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 1097 (j) Tubing 879 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia _____
Chart 525 (g) Corrected 525 (h) P_t 525 (i) Gravity .658

G. L. = _____ $1-e^{-5} =$ _____ $(F_c Q)^2 =$ _____

FRITTING MECHANISM

$(1-e^{-5})(F_c Q)^2 = R^2 =$ _____ $P_t^2 =$ _____ $P_w^2 =$ _____

$Q = \frac{749}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{749}{107344} \right] = 749$

$D = Q \frac{749}{107344} \times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{806008}{107344} \right)^N = \frac{1.0505}{1.0575} = 342$

Risings bridge in open hole and obtained communication between tubing and casing.
Turned back on production 6-14-61.

SUMMARY

$P_c = 1097$ psia
 $Q = 749$ MCF/D
 $P_w = 525$ psia
 $P_d = 879$ psia
 $D = 342$ MCF/D

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