

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 New Juan 27-5 No. 10 71-313

Unit A S 23 T 27 R 5 Pay Zone 5050 To 9077 Flow String 3000

Casing O D 5-1/2 Wt 25.5 Set at 5735 Tubing O D 2-1/8 Wt 4.7 L 5013 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 6-24-60

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 (j) Tubing (k) (e) (f)

7 Day Avg. Flowing Pres., psia

Chart (g) Corrected (h) P_t (i) Gravity

PERFORATION CALCULATIONS

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

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

$Q = \frac{73}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \right] = 73$

$D = Q \times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{1.286}{1.204} \right)^N = 88$

An intermitter was installed. Turned back on production 7-25-61

SUMMARY

$P_c = 886$ psia
 $Q = 73$ MCF/D
 $P_w = 535$ psia
 $P_d = 424$ psia
 $D = 88$ MCF/D

Company EL PASO NATURAL GAS COMPANY
By E. L. Kunkel
Title Dr. Gas Engineer
Witnessed By
Company


