

Initial
Deliverability Test

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

FORM C-102-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 Bustin Formation Dakota County Rio Arriba
Well Name Rincon No. 170 73-349
Unit M S 20 T 27 R 6 Pay Zone 7332 To 7422 Flow String Tubing
Casing O D 4.500 Wt 10.5 Set at 7502 Tubing O D 2.375 Wt 4.7 L 7438 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 11-22-62 To 11-29-62 9-25-62

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 1917 (j) Tubing 1690 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia

Chart 504 (g) Corrected 504 (h) P_t 504 (i) Gravity .699

G. L. = 5199 $1-e^{-s} =$.313 $(F_c Q)^2 =$ 51.595

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 16032 $P_i^2 =$ 254016 $P_w^2 =$ 270068

$$Q = \frac{764}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{764}{1} = 764$$

$$D = Q \frac{764}{\left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N} = \frac{764}{\left(\frac{2148075}{2505832} \right)^N} = \frac{764}{.8083} = 663$$

- CORRECTED COPY -

SUMMARY

$P_c =$ 1690 psia
 $Q =$ 764 MCF/D
 $P_w =$ 520 psia
 $P_d =$ 845 psia
 $D =$ 663 MCF/D

Company

EL PASO NATURAL GAS COMPANY

By

Title

H. L. Emdrick
Sr. Gas Engineer

Witnessed By

Company


