

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 Mo Arillo

Well Name Union No. 101 73-371

Unit Q S 22 T 27 R 6 Pay Zone 7460 To 7649 Flow String Tubing

Casing O D 4.900 Wt 10.5 Set at 7704 Tubing O D 2.375 Wt 4.7 L 7015 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 11-28-62 To 12-6-62 9-27-62

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 2017 (j) Tubing 2540 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia

Chart 511 (g) Corrected 511 (h) P_1 511 (i) Gravity 662

G. L. = 5041 $1-e^{-s} =$.307 $(F_c Q)^2 =$ 97.082

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 29004 $P_i^2 =$ 261121 $P_w^2 =$ 290925

$Q = \frac{1048}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \right] = \frac{1048}{}$

$D = Q \frac{1048}{\left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{4038700}{6160675} \right]^N = \frac{.7051}{.8362} \right)} = \frac{874}{}$

SUMMARY

$P_c =$ 2540 psia
 $Q =$ 1048 MCF/D
 $P_w =$ 539 psia
 $P_d =$ 1270 psia
 $D =$ 874 MCF/D

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

