

Initial  
Deliverability Test

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

FORM O-122-A  
(EL PASO 12-1-61)

(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 Hearilla No. 93-2 86-430

Unit A S 14 T 27 R 3 Pay Zone 5652 To 6128 Flow String Tubing

Casing O D 7 Wt 20 Set at 4114 Tubing O D 2.375 Wt 4.7 L 6013 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 5-25-62 To 6-2-62 4-2-62

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 1689 (j) Tubing 1689 (k) \_\_\_\_\_ (e) \_\_\_\_\_ (f)

7 Day Avg. Flowing Pres., psia \_\_\_\_\_  
Chart 504 (g) Corrected 504 (h)  $P_t$  504 (i) Gravity .687

G. L. = 4131  $1-e^{-s}$  = .259  $(F_c Q)^2$  = 314779

$(1-e^{-s})(F_c Q)^2 = R^2$  = 81528  $P_i^2$  = 254016  $P_w^2$  = 335544

$Q = \frac{1887}{(\text{integrated})} \times \left[ \sqrt{\frac{(c)}{(d)}} \right] = \frac{1887}{1} = 1887$

$D = Q \times \left( \left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N \right) = \frac{1887}{1} \times \left( \left[ \frac{.8496}{.8849} \right]^1 \right) = 1670$

SUMMARY

$P_c$  = 1639 psia  
 $Q$  = 1837 MCF/D  
 $P_w$  = 579 psia  
 $P_d$  = 845 psia  
 $D$  = 1670 MCF/D

Company EL PASO NATURAL GAS COMPANY  
By H. L. Kendrick  
Title Sr. Gas Engineer  
Witnessed By \_\_\_\_\_  
Company \_\_\_\_\_



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