

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 San Juan  
Well Name Gardner No. 2 (8870) 70-065  
Unit G S 28 T 30 R 8 Pay Zone 4616 To 5178 Flow String Flowing  
Casing O D 4-1/2 Wt 10.5 Set at 5362 Tubing O D 2-3/8 Wt 4.7 L 5109 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 12-7-61 To 12-15-61 12-22-61

Deadweight Flowing Pressure, psia Flowing Pressure psia  
Casing --- (a) Tubing 931 (b) Meter --- (c) Chart --- (d)

Deadweight Shut-in Pressures, psia Meter Error Friction Loss  
Casing --- (j) Tubing 931 (k) --- (e) --- (f)

7 Day Avg. Flowing Pres., psia  
Chart 504 (g) Corrected 504 (h)  $P_t$  504 (i) Gravity .655

G. L. = 3346  $1-e^{-s} = .216$   $(F_c Q)^2 = 137.687$

$(1-e^{-s})(F_c Q)^2 = R^2 = 29740$   $P_i^2 = 254816$   $P_w^2 = 285756$

$Q = \frac{1248}{(\text{integrated})} \times \left[ \sqrt{\frac{(c)}{(d)}} = \frac{1248}{1248} \right] = 1248$

$D = Q = 1248 \times \left( \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.1142 \right)^N = 1.0844 = 1353$

COMPUTED COPY



SUMMARY

$P_c = 931$  psia  
 $Q = 1248$  MCF/D  
 $P_w = 533$  psia  
 $P_d = 466$  psia  
 $D = 1353$  MCF/D

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

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