

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 El Paso Formation Mesa Verde County El Arroyo  
Well Name El Paso State No. 1 70-935  
Unit L S 36 T 30 R 7 Pay Zone 5075 To 6130 Flow String 2-1/2  
Casing O D 7 Wt 85 Set at 5227 Tubing O D 2-3/8 Wt 4.7 L 6076 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 9-6-61 To 9-14-61 5-5-61

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 675 (j) Tubing 670 (k) \_\_\_\_\_ (e) \_\_\_\_\_ (f)

7 Day Avg. Flowing Pres., psia \_\_\_\_\_  
Chart 511 (g) Corrected 511 (h)  $P_t$  511 (i) Gravity .663

G. L. = 4080  $1-e^{-6} =$  .254  $(F_c Q)^2 =$  2.554

$(1-e^{-6})(F_c Q)^2 = R^2 =$  649  $P_i^2 =$  261121  $P_w^2 =$  261770

$Q = \frac{170}{(\text{integrated})} \times \left[ \sqrt{\frac{(c)}{(d)}} \right] = \frac{170}{1}$

$D = Q \frac{170}{\left( \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N} = \frac{1.7921}{1.9940} = 20$

An intermitter was installed. Turned back on production 8-25-61



SUMMARY

$P_c =$  670 psia  
 $Q =$  170 MCF/D  
 $P_w =$  512 psia  
 $P_d =$  335 psia  
 $D =$  20 MCF/D

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

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