

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 New Verbe County San Juan

Well Name Stacey No. 4-B 71-514

Unit L S 11 T 30 R 11 Pay Zone 4522 To 4664 Flow String Tubing

Casing O D 5.5 Wt 15.5 Set at 4769 Tubing O D 2.375 Wt 4.7 L 4629 Top Perf.

Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Date Flow Press. Meas. \_\_\_\_\_ Period of test flow From 3-9-62 To 3-17-62 SIP Measured 3-21-62 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 579 (j) Tubing 575 (k) \_\_\_\_\_ (e) \_\_\_\_\_ (f)

7 Day Avg. Flowing Pres., psia \_\_\_\_\_  
Chart 533 (g) Corrected 533 (h) P<sub>t</sub> 533 (i) Gravity .675

**FRICITION RELATIONSHIP**

G. L. = \_\_\_\_\_  $1-e^{-s}$  = \_\_\_\_\_  $(F_c Q)^2$  = \_\_\_\_\_

$(1-e^{-s})(F_c Q)^2 = R^2 =$  \_\_\_\_\_  $P_t^2 =$  \_\_\_\_\_  $P_w^2 =$  Use P<sub>t</sub>

$Q = \frac{160}{(\text{integrated})} \times \left[ \sqrt{\frac{(c)}{(d)}} \right] = 160$

$D = Q \times \left( \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 5.3223 \right)^N = 3.5000 = 560$

An intermitter was installed. Turned back on Production 2-19-62



SUMMARY

P<sub>c</sub> = 575 psia  
Q = 160 MCF/D  
P<sub>w</sub> = 533 psia  
P<sub>d</sub> = 288 psia  
D = 560 MCF/D

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