

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

Pool BLANCO Formation MV County S.J.  
Well Name BARNES #1 70441  
Unit F S 24 T 32 R 11 Pay Zone 4810 To 5332 Flow String TUBING  
Casing O D 4.500 I D 4.052 Set at 5376 Tubing O D 2.375 I D 1.995 L 5280 Top Perf.  
Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P<sub>c</sub> 80 Comm. Designated P<sub>c</sub>, psia \_\_\_\_\_ Period Of Test Flow From 11-16-65 To 11-24-65 SIP Measured 08-20-65

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 870 (j) Tubing 870 (k) 0006 (e) 0 (f)

7 Day-Avg. Flowing Pres., psia \_\_\_\_\_  
Chart 483 (g) Corrected 483 (h) p<sub>t</sub> 483 (i) Gravity .613

G. L. = 3237 1-e<sup>-s</sup> = .210 F<sub>c</sub> 9.402 (F<sub>c</sub>Q)<sup>2</sup> 33.109

(1-e<sup>-s</sup>) (F<sub>c</sub>Q)<sup>2</sup> = R<sup>2</sup> = 6953 P<sub>1</sub><sup>2</sup> = 233289 P<sub>2</sub><sup>2</sup> = 240242

$$Q = \frac{612}{(\text{integrated})} \times \left[ \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = \frac{612}{1.0000} = 612$$

$$D=Q \frac{612}{\left[ \frac{(P_1^2 - P_2^2)}{(P_c^2 - P_2^2)} \right]^n} = \frac{612}{\left[ \frac{272484}{516658} \right]^n} = \frac{612}{.6188} = 379$$

REMARKS

~~NEW WELL~~  
1st Delivery 9-1-65.

*OWWO*  
*Recon 11-2-65*



SUMMARY

P<sub>c</sub> = 870  
Q = 612  
P<sub>w</sub> = 490  
P<sub>d</sub> = 696  
D = 379

Company EL PASO NATURAL GAS CO  
By H. J. Kendrick  
Title AREA GAS WELL TEST ENGINEER  
Witnessed By \_\_\_\_\_  
Company \_\_\_\_\_

65342


1F  
70441  
5349