

Initial Deliverability Test

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

FORM C-172-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 Rio Arriba  
 Well Name San Juan 29-6 No. 31 86-418  
 Unit M S 10 T 29 R 6 Pay Zone 5292 To 5742 Flow String Casing  
 Casing O D 2-7/8 Wt 6.4 Set at 5808 Tubing O D None Wt \_\_\_\_\_ L \_\_\_\_\_ Top Perf.  
 Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Date Flow Press. Meas. \_\_\_\_\_ Period of test flow From 10-05-61 To 10-13-61 SIP Measured 6-6-61

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 1055 (j) Tubing \_\_\_\_\_ (k) \_\_\_\_\_ (e) \_\_\_\_\_ (f)

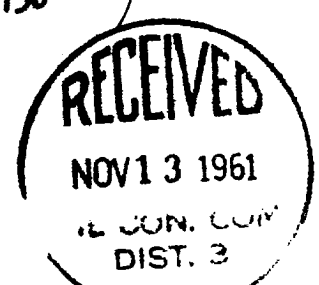
7 Day Avg. Flowing Pres., psia \_\_\_\_\_  
 Chart 497 (g) Corrected 497 (h) P<sub>t</sub> 497 (i) Gravity .706

G. L. = 3736 1-e<sup>-s</sup> = .238 (F<sub>c</sub>Q)<sup>2</sup> = 6.406

(1-e<sup>-s</sup>) (F<sub>c</sub>Q)<sup>2</sup> = R<sup>2</sup> = 1925 P<sub>i</sub><sup>2</sup> = 247009 P<sub>w</sub><sup>2</sup> = 248534

$$Q = \frac{456}{(\text{integrated})} \times \left[ \sqrt{\frac{(c)}{(d)}} \right] = 456$$

$$D = Q \times \left( \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{456 \times \left( \frac{834241}{864491} \right)^N}{.9650 / .9736} = 444$$



SUMMARY

P<sub>c</sub> = 1055 psia Company EL PASO NATURAL GAS COMPANY  
 Q = 456 MCF/D By H. L. Kendrick  
 P<sub>w</sub> = 499 psia Title Sr. Gas Engineer  
 P<sub>d</sub> = 528 psia Witnessed By \_\_\_\_\_  
 D = 444 MCF/D Company \_\_\_\_\_

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