

Initial Deliverability Test

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

Pool BASIN Formation DAKOTA County RA  
 Well Name SJ 29-6 UNIT #90 86540  
 Unit G S 15 T 29 R 6 Pay Zone 8024 To 8126 Flow String TUBING  
 Casing O.D. 4.500 I.D. 4.052 Set at 8148 Tubing O.D. 2.375 I.D. 1.995 L. 8062 Top Perf.  
 Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P<sub>c</sub> 50 Comm. Designated P<sub>c</sub>, psia \_\_\_\_\_ Period Of Test Flow From 11-22-65 To 11-30-65 SIP, Measured 06-30-65  
 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 2475 (j) Tubing 2476 (k) 0006 (e) 0 (f)  
 7 Day-Avg. Flowing Pres., psia \_\_\_\_\_  
 Chart 497 (g) Corrected 497 (h) P<sub>f</sub> 497 (i) Gravity .586  
 G. L. = 4724 1-e<sup>-s</sup> = .291 F<sub>c</sub> 9.402 (F<sub>c</sub>Q)<sup>2</sup> 5.703  
 (1-e<sup>-s</sup>) (F<sub>c</sub>Q)<sup>2</sup> = R<sup>2</sup> = 1660 P<sub>i</sub><sup>2</sup> = 247009 P<sub>w</sub><sup>2</sup> = 248669

$$Q = \frac{254}{(\text{integrated})} \times \left[ \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} = \frac{1.0000}{1.0000} \right] = \frac{254}{1}$$

$$D=Q = \frac{254}{1} \times \left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \left[ \frac{4597932}{5881907} \right]^n = \frac{(.7817)^n}{.8313} = \frac{211}{1}$$

REMARKS

OWWO - 1st Delivery 11-3-65.



SUMMARY

P<sub>c</sub> = 2476  
 Q = 254  
 P<sub>w</sub> = 499  
 P<sub>d</sub> = 1238  
 D = 211

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

65342


86540  
5364

