

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

Pool BASIN Formation DAKOTA County SJ

Well Name HUERFANO UNIT #143 75309

Unit J S 9 T 26 R 9 Pay Zone 6496 To 6604 Flow String TUBING

Casing O D 4.500 I D 4.052 Set at 6762 Tubing O D 2.375 I D 1.995 L 6618 Top Perf.

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

Pd: % Of Pc Comm. Designated Pc, psia Period Of Test Flow SIP Measured  
50 From 03-21-66 To 03-29-66 02-08-66

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 1898 (J) Tubing 1812 (k) 0008 (e) 0 (f)

7 Day-Avg. Flowing Pres., psia  
Chart 511 (g) Corrected 511 (h) P<sub>f</sub> 511 (i) Gravity .678

G. L. = 4487 1-e<sup>-s</sup> = .278 F<sub>c</sub> 9.402 (F<sub>c</sub>Q)<sup>2</sup> 2.525

(1-e<sup>-s</sup>) (F<sub>c</sub>Q)<sup>2</sup> = R<sup>2</sup> = 702 P<sub>f</sub><sup>2</sup> = 261121 P<sub>w</sub><sup>2</sup> = 261823

$$Q = \frac{169}{(\text{integrated})} \times \left[ \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = 169$$

$$D=Q \frac{169}{\left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n} = \left[ \frac{2701803}{3340581} \right]^n = \frac{(.8087)^n}{.8528} = 144$$

REMARKS

New Well - First Delivered 3-01-66.



SUMMARY

P<sub>c</sub> = 1898  
Q = 169  
P<sub>w</sub> = 512  
P<sub>d</sub> = 949  
D = 144

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

|       |  |  |  |  |  |       |
|-------|--|--|--|--|--|-------|
| 66096 |  |  |  |  |  |       |
|       |  |  |  |  |  | 75309 |
|       |  |  |  |  |  | 2299  |

