

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

Pool Basin Formation Dakota County Rio Arriba
Well Name SJ 27-4 Unit No. 34 86-526
Unit 0 S 34 T 27 R 4 Pay Zone 8084 To 8280 Flow String Tubing
Casing O D 4.000 I D 3.428 Set at 8336 Tubing O D 2.063 I D 1.750 L 8246 Top Perf.
Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c 50 Comm. Designated P_c, psia 5-8-65 Period Of Test Flow To 5-16-65 SIP Measured 9-3-64

Deadweight Flowing Pressure, psia
Casing (a) Tubing (b) Meter (c) Chart (d)

Deadweight Shut-In Pressures, psia
Casing 1932 (j) Tubing 1705 (k) Meter Error 000+ (e) Friction Loss 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 525 (g) Corrected 525 (h) P_f 525 (i) Gravity .688

G. I. = 5673 1-e^{-s} = .338 F_c 13.239 (F_cQ)² 37.405

(1-e^{-s}) (F_cQ)² = R² = 12643 P_i² = 275625 P_w² = 288268

Q = $\frac{462}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = 462$

D=Q $\frac{462}{\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n} = \left[\frac{2799468}{3444356} \right]^n = \frac{(0.8127)^n}{0.8559} = 395$

REMARKS

SUMMARY

P_c = 1932 /
Q = 462 /
P_w = 537 /
P_d = 966 /
D = 395 /

Company

By

Title

Witnessed By

Company



EL PASO NATURAL GAS COMPANY

H. L. KENDRICK
SENIOR GAS ENGINEER

