

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

Pool BASIN Formation DAKOTA County RA
Well Name SJ 27-5 UNIT #96 75068
Unit F S 15 T 27 R 5 Pay Zone 7821 To 7906 Flow String TUBING
Casing O D. 4.500 I D 4.052 Set at 7955 Tubing O D. 2.375 I D 1.995 L 7687 Top Perf.
Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c 50 Comm. Designated P_c, psia Period Of Test Flow From 05-03-65 To 05-11-65 SIP Measured 01-20-65

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 2523 (j) Tubing 2508 (k) 0006 (e) 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 548 (g) Corrected 548 (h) p_f 548 (i) Gravity .625

G. L. = 4804 ✓ 1-e^{-s} = .295 F_c 9.402 (F_cQ)² 115.477

(1-e^{-s}) (F_cQ)² = R² = 34066 P_f² = 300304 P₂² = 334370 ✓

Q = $\frac{1143}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = 1143$

D=Q $\frac{1143}{\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_d^2)} \right]^n} = \left[\frac{4772885}{6031159} \right]^n = \frac{(.7913)^n}{.8390} = 959$ ✓

REMARKS

SUMMARY

P_c = 2523 ✓
Q = 1143 ✓
P_w = 578 ✓
P_d = 1262 ✓
D = 959 ✓

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



65154

75068

3726