

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

Pool Alamo Formation Alamo Verde County San Juan
Well Name San Juan Unit 50-7 1/2 50 (100) (10000) 65-468
Unit D-S T-1000 Pay Zone 5550 To 5500 Flow String Flowing
Casing O D 5.500 I D 4.950 Set at 7710 Tubing O D 2.512 I D 2.312 L 5551 Top Perf.
Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c 80 Comm. Designated P_c, psia _____ Period Of Test Flow From 2-3-64 To 2-11-64 SIP Measured 12-18-63

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 1035 (j) Tubing 1035 (k) _____ (e) _____ (f)

7 Day-Avg. Flowing Pres., psia _____
Chart 513 (g) Corrected 518 (h) p_f 513 (i) Gravity .607

G. L. = 3769 1-e^{-s} = .217 F_c 24.621 (F_cQ)² 122.714

(1-e^{-s}) (F_cQ)² = R² = 26655 P₁² = 268324 P₂² = 291959

$$Q = \frac{1}{(integrated)} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{1}{1} \times \left[\sqrt{\frac{513}{1035}} \right] = 1.50$$

$$D=Q \times \left[\frac{(P_2^2 - P_3^2)}{(P_1^2 - P_2^2)} \right]^n = \frac{1.50}{\left[\frac{291959 - 772130}{268324 - 772130} \right]^n} = \frac{1.50}{\left[\frac{.4983}{.5935} \right]^n} = 267$$

REMARKS

SUMMARY

P_c = 1035
Q = 1.50
P_w = 513
P_d = 826
D = 267

Company EL PASO NATURAL GAS COMPANY
By H. L. Kendrick
Title SENIOR GAS ENGINEER
Witnessed By _____
Company _____


