

Initial
Deliverability Test

FORM C-122-A
EL PASO 11-1-62

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

Pool Blanco Formation Mesa Verde County Rio Arriba
Well Name San Juan 27-5 Unit No. 33 (MV) 86-301
Unit G S 26 T 27 R 5 Pay Zone 5506 To 5650 Flow String Tubing
Casing O D 5.500 I D 4.950 Set at 5701 Tubing O D 2.375 I D 1.995 L 5599 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 12-05-65 To 12-13-65 SIP Measured 5-10-65

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

Deadweight Shut-In Pressures, psia
Casing (j) Tubing 661 (k) Meter Error 000 (e) Friction Loss 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 511 (g) Corrected 511 (h) P_f 511 (i) Gravity .671

G. L. = 3757 1-e^{-s} = .239 F_c 9.402 (F_cQ)² .213

(1-e^{-s}) (F_cQ)² = R² = 51 P_i² = 261121 P_w² = USE PT2

$$Q = \frac{49}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = \frac{49}{1.0000}$$

$$D=Q \frac{49}{1.0000} \times \left[\frac{(P_i^2 - P_w^2)}{(P_i^2 - P_w^2)} \right]^n = \left[\frac{157080}{175800} \right]^n = \frac{(.8935)^n}{.9190} = \frac{45}{.9190}$$

REMARKS

UNABLE TO OBTAIN 25% DRAWDOWN.
Installed Intermittent 11-22-65.



SUMMARY

P_c = 661
Q = 49
P_w = 511
P_d = 529
D = 45

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