

Initial
Deliverability Test

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

Pool Blanco Formation San Juan Verde County Rio Arriba
Well Name SJU 27-4 No. 27 86-431
Unit 2 S 26 27 R 4 Pay Zone 6224 To 6228 Flow String Tubing
Casing O D 4.500 I D 3.894 Set at 6224 Tubing O D 2.660 I D 1.980 L 6160 Top Foot
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 9-26-64 To 10-1-64 SIP Measured 7-23-64

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 659 (j) Tubing 653 (k) (e) (f)

7 Day-Avg. Flowing Pres., psia
Chart 518 (g) Corrected 518 (h) p_f 518 (i) Gravity .668

G. L. = 4115 1-e^{-s} = .259 F_c 24.621 (F_cQ)² 5.471

(1-e^{-s}) (F_cQ)² = R² = 1417 P_r² = 268324 P_w² = 269741

$$Q = \frac{95}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{95}{1} = 95$$

$$D=Q \frac{95}{1} \times \left[\frac{(P_c^2 - P_w^2)}{(P_c^2 - P_w^2)} \right]^n = \left[\frac{156552}{164540} \right]^n = \left(\frac{.9514}{.9633} \right)^n = 92$$

REMARKS

SUMMARY

P_c = 659
Q = 95
P_w = 519
P_d = 527
D = 92

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

