

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

Pool Basin Formation Dakota County Rio Arriba
Well Name San Juan 27-5 Unit No. 57 75-229
Unit F S 13 T 27 R 5 Pay Zone 7873 To 8093 Flow String Tubing
Casing O D 4.500 I D 4.052 Set at 8152 Tubing O D 2.375 I D 1.995 L 8001 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 50 Period Of Test Flow From 1-22-66 To 1-30-66 SIP Measured 7-19-65

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

Deadweight Shut-In Pressures, psia
Casing 2324 (j) Tubing 2409 (k) Meter Error (e) Friction Loss (f)

7 Day-Avg. Flowing Pres., psia
Chart 533 (g) Corrected 533 (h) p_t 533 (i) Gravity .647

G. L. = 5177 1-e^{-s} = .314 F_c 9.402 (F_cQ)² 105.227

(1-e^{-s}) (F_cQ)² = R² = 33041 P_i² = 284089 P_w² = 317130

Q = $\frac{1091}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = 1091$

D=Q $\frac{1091}{\left[\frac{(P_c^2 - P_w^2)}{(P_c^2 - P_w^2)} \right]^n} = \frac{4351256}{5486151} = \frac{(.7931)}{.8403} = 917$

REMARKS

New Well.

1st Delivered - 11-23-65.



SUMMARY

P_c = 2409
Q = 1091
P_w = 563
P_d = 1205
D = 917

Company

By

Title

Witnessed By

Company

EL PASO NATURAL GAS COMPANY

H. L. KENDRICK
SENIOR GAS ENGINEER
