

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

Pool Aztec Formation Pictured Cliffs County San Juan
Well Name Murphy No. 3-1 73-833
Unit G S 2 T 29 R 11 Pay Zone 2066 To 2091 Flow String Casing
Casing O D 2.875 I D 2.111 Set at 2170 Tubing O D None I D None 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 7-21-64 To 7-29-64 SIP Measured 3-31-64

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 458 (j) Tubing (k) (e) (f)

7 Day-Avg. Flowing Pres., psia
Chart 202 (g) Corrected 202 (h) P_f 202 (i) Gravity .660

G. L. = 1364 1-e^{-s} = .094 F_c 5.552 (F_cQ)² 4.567

(1-e^{-s}) (F_cQ)² = R² = 4.29 P_i² = 40804 P₂² = 41233

Q = $\frac{385}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(a)}} \right] = \underline{\hspace{2cm}} = \underline{385}$

D=Q 385 $\times \left[\frac{(P_2^2 - P_3^2)}{(P_1^2 - P_2^2)} \right]^n = \left[\frac{75808}{168531} \right]^n = \frac{(.4498)^n}{.5075} = \underline{195}$

REMARKS



SUMMARY

P_c = 158
Q = 385
P_w = 203
P_d = 366
D = 195

Company

EL PASO NATURAL GAS COMPANY

By

Title

H. L. KENDRICK
SENIOR GAS ENGINEER

Witnessed By

Company