

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

Pool Basin Formation Dakota County San Juan
Well Name Merfano No. 142 73-984
Unit 6 S 7 T 25 R 9 Pay Zone 6732 To 6824 Flow String Tubing
Casing O D 4.500 I D 4.032 Set at 6925 Tubing O D 2.575 I D 1.995 L 6769 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 _____ Period Of Test Flow From 3-18-65 To 3-26-65 SIP Measured 11-11-64

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 1971 (j) Tubing 1969 (k) _____ (e) _____ (f)

7 Day-Avg. Flowing Pres., psia _____
Chart 490 (g) Corrected 490 (h) P_f 490 (i) Gravity .683

G. L. = 4582 1-e^{-s} = .285 F_c 9.402 (F_cQ)² 154.729

(1-e^{-s}) (F_cQ)² = R² = 45788 P_i² = 240100 P₂² = 265000

Q = $\frac{1323}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{1323}{1} = 1323$

D=Q $\frac{1323}{1} \times \left[\frac{(P_c^2 - P_2^2)}{(P_c^2 - P_2^2)} \right]^n = \left[\frac{2912645}{3600933} \right]^n = \frac{(.8088)}{.8329}^n = 1128$

REMARKS



SUMMARY

P_c = 1971
Q = 1323
P_w = 533
P_d = 986
D = 1128

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

