

Initial
Deliverability Test

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

Pool Blanco Formation Mesa Verde County San Juan
Well Name Sunray No. 2-E (MV) 72-024
Unit C S 9 T 30 R 10 Pay Zone 1585 To 5304 Flow String Tubing
Casing O D 5.500 I D 4.950 Set at 5126 Tubing O D 2.375 I D 1.995 L 5289 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 8-13-64 To 8-21-64 SIP Measured 6-19-64

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 (j) Tubing 666 (k) (e) (f)

7 Day-Avg. Flowing Pres., psia
Chart 476 (g) Corrected 476 (h) P₁ 476 (i) Gravity .696

G. L. = 3681 1-e⁻¹ = .235 F_c 9.402 (F_cQ)² 6.396

(1-e⁻¹) (F_cQ)² = R² = 1503 P₁² = 226576 P₂² = 228079

$$Q = \frac{269}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \underline{269}$$

$$D=Q \times \left[\frac{(P_2^2 - P_1^2)}{(P_1^2 - P_2^2)} \right]^n = \left[\frac{159467}{215477} \right]^n = \frac{(.7400)}{.7980}^n = \underline{215}$$

REMARKS

Repair Packer Leakage



SUMMARY

P_c = 666
Q = 269
P_w = 478
P_d = 533
D = 215

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