

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. 2-0 71-054
Unit G S 21 T 31 R 9 Pay Zone 5113 To 5721 Flow String Tubing
Casing O D 7.000 I D 6.366 Set at 5067 Tubing O D 2.375 I D 1.995 L 4965 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 10-26-64 To 11-3-64 SIP Measured 1-27-64

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 845 (j) Tubing 713 (k) (e) (f)

7 Day-Avg. Flowing Pres., psia
Chart 469 (g) Corrected 469 (h) P_f 469 (i) Gravity .670

G. L. = 3327 1.0 - s = .215 Fc 9.402 (F_cQ)² 19.193

(1-e^{-s}) (F_cQ)² = R² = 4126 P_f² = 219961 P₂² = 224087

$$Q = \frac{466}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{466}{1} = 466$$

$$D=Q \frac{466}{1} \times \left[\frac{(P_2^2 - P_1^2)}{(P_c^2 - P_1^2)} \right]^n = \frac{257049}{489938} = \frac{(1.5246)}{.6165}^n = 287$$

REMARKS

Perforated tubing



SUMMARY

P_c = 845
Q = 466
P_w = 473
P_d = 676
D = 287

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