

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 Barnes No. 7 70-811

Unit X S23 T32 R11 Pay Zone 4823 To 5511 Flow String Tubing

Casing O D 7.000 I D 6.366 Set at 4823 Tubing O D 2.375 I D 1.995 L 4888 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 10-28-64 To 11-5-64 SIP Measured 6-5-64

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

Deadweight Shut-In Pressures, psia
Casing 906 (j) Tubing 875 (k) Meter Error (e) Friction Loss (f)

7 Day-Avg. Flowing Pres., psia
Chart 476 (g) Corrected 476 (h) P_f 476 (i) Gravity .688

G. L. = 3363 1-e^{-s} = .817 Fc 9.402 (FcQ)² 69.239

(1-e^{-s}) (FcQ)² = R² = 15025 P₁² = 286576 P₂ = 241601

Q = 885 (integrated) x $\sqrt{\frac{(c)}{(d)}}$ = 885

D=Q 885 x $\left[\frac{(P_2^2 - P_3)}{(P_1^2 - P_2)} \right]^n = \left[\frac{295211}{579235} \right]^n = \frac{(1.5096)}{.6032}^n = \underline{534}$

REMARKS

Perforated tubing



SUMMARY

P_c = 906
Q = 885
P_w = 492
P_d = 725
D = 534

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