

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 Riddle No. 2-A 70-222
Unit H S 1 T 29 R 9 Pay Zone 4660 To 5443 Flow String Tubing
Casing O D 6.625 I D 6.049 Set at 4583 Tubing O D 2.375 I D 1.995 L 4671 Top Perforation
Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c 80 Comm. Designated P_c, psia 857 Period Of Test Flow From 10-28-64 To 11-5-64 SIP Measured 7-23-64

Deadweight Flowing Pressure, psia Flowing Pressure, psia
Casing 857 (a) Tubing 753 (b) Meter 504 (c) Chart 504 (d)

Deadweight Shut-In Pressures, psia Meter Error Friction Loss
Casing 857 (j) Tubing 753 (k) 504 (e) 504 (f)

7 Day-Avg. Flowing Pres., psia
Chart 504 (g) Corrected 504 (h) P_f 504 (i) Gravity .691

G. L. = 3228 1-e^{-s} = .209 F_c 9.402 (F_cQ)² 24.275

(1-e^{-s}) (F_cQ)² = R² = 5073 P₁² = 254016 P₂² = 259089

$$Q = \frac{524}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = 524$$

$$D=Q \times \left[\frac{(P_1^2 - P_2^2)}{(P_1^2 - P_2^2)} \right]^n = \left[\frac{263853}{475360} \right]^n = \left(\frac{.5550}{.6430} \right)^n = 337$$

REMARKS

Perforated tubing



SUMMARY

P_c = 857
Q = 524
P_w = 509
P_d = 686
D = 337

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