

Initial
Deliverability Test

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

Pool Domin Formation Dakota County Rio Arriba
Well Name SJU 62-6 No. 75 86-503
Unit R S 23 T 22 R 6 Pay Zone 7387 To 8083 Flow String Tubing
Casing O D 4.000 I D 4.000 Set at 0.000 Tubing O D 2.375 I D 1.995 L 8023 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 4/26/64 To 5/3/64 SIP Measured 11/14/63

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 2720 (j) Tubing 2720 (k) (e) (f)

7 Day-Avg. Flowing Pres., psia
Chart 497 (g) Corrected 497 (h) P_t 497 (i) Gravity .586

G. L. = 4701 1-e^{-s} = .290 F_c 9.402 (F_cQ)² 46.854

(1-e^{-s}) (F_cQ)² = R² = 13588 P₁² = 247009 P₂² = 260597

$$Q = \frac{728}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{728}{1} = 728$$

$$D=Q \frac{728}{1} \times \left[\frac{(P_2^2 - P_3^2)}{(P_2^2 - P_w^2)} \right]^n = \left[\frac{5518800}{7137803} \right]^n = \frac{(.7775)}{.8278}^n = 603$$

REMARKS

SUMMARY

P_c = 2720
Q = 728
P_w = 510
P_d = 1360
D = 603

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

