

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

Pool Blanco Formation Mesa Verde County Rio Arriba
Well Name San Juan 28-7 No. 12 71059
Unit L S 17 T 28 R 7 Pay Zone 4917 To 5789 Flow String Casing
Casing O D 7.000 I D 6.366 Set at 4917 Tubing O D 2.375 I D 1.995 L 5075 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 5/21/64 To 5/29/64 SIP Measured 3/9/64
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 936 (j) Tubing 942 (k) (e) (f)
7 Day-Avg. Flowing Pres., psia
Chart 526 (g) Corrected 526 (h) P_f 526 (i) Gravity .676

FRICITION NEGLIGIBLE

G. L. = 1-e^{-s} = F_c (F_cQ)²

(1-e^{-s}) (F_cQ)² = R² = P_i² = P_f² = Use P_f²

Q = $\frac{126}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \underline{\hspace{2cm}} = \underline{126}$

D=Q $\frac{126}{\left[\frac{(P_i^2 - P_f^2)}{(P_i^2 - P_f^2)} \right]^n} = \left[\frac{318848}{610688} \right]^n = \frac{(\frac{522}{.6140})^n}{\underline{\hspace{2cm}}} = \underline{77}$

REMARKS

Perforated tubing at following depths with 1/4" holes: 5136, 5105 and 5075.
Turned back on production 4-27-64.

SUMMARY

P_c = 942
Q = 126
P_w = 526
P_d = 754
D = 77

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


