

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

Pool Undesignated Formation Mesa Verde County San Juan
Well Name Duff No. 2 73-717
Unit L S 5 T 29 R 11 Pay Zone 3716 To 3728 Flow String Tubing
Casing O D 4.500 I D 4.052 Set at 3778 Tubing O D 2.375 I D 1.995 L 3696 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 1-12-64 To 1-20-64 SIP Measured 12-18-63

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

Deadweight Shut-In Pressures, psia
Casing 871 (j) Tubing 868 (k) Meter Error (e) Friction Loss (f)

7 Day-Avg. Flowing Pres., psia
Chart 519 (g) Corrected 519 (h) P_f 519 (i) Gravity .695

G. L. = 2569 1-e^{-s} = .170 F_c 9.402 (F_cQ)² 434.472

(1-e^{-s}) (F_cQ)² = R² = 73860 P₁² = 269361 P₂² = 343221

$$Q = \frac{2217}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{2217}{1} = 2217$$

$$D=Q \frac{2217}{1} \times \left[\frac{(P_2^2 - P_d^2)}{(P_1^2 - P_d^2)} \right]^n = \left[\frac{272832}{415420} \right]^n = \frac{(.6567)^n}{.7300} = 1618$$

REMARKS

SUMMARY

P_c = 871
Q = 2217
P_w = 586
P_d = 697
D = 1618

Company EL PASO NATURAL GAS COMPANYBy H. L. KendrickTitle SENIOR GAS ENGINEERWitnessed By Company

RECEIVED

FEB 12 1964

OIL CON. COM.
DIST. 3
