

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

Pool Basin Formation Del Norte County San Juan
Well Name Auerfanto Unit No. 33 75-324
Unit I S 28 T 27 R 3 Pay Zone 6687 To 6666 Flow String tubing
Casing O D 4.500 I D 4.052 Set at 6359 Tubing O D 2.375 I D 1.925 L 6016 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 5-19-66 To 5-27-66 SIP Measured 5-15-65

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

Deadweight Shut-In Pressures, psia
Casing 2051 (j) Tubing 2068 (k) Meter Error 000 (e) Friction Loss 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 497 (g) Corrected 497 (h) P_t 497 (i) Gravity .676

G. L. = 4608 1-e^{-s} = .285 F_c 9.402 (F_cQ)² 43.560

(1-e^{-s}) (F_cQ)² = R² = 12415 P_i² = 247009 P_w² = 259424

Q = $\frac{702}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = 702$

D=Q 702 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \left[\frac{3207468}{4017200} \right]^n = \frac{(.7984)}{.3446}^n = 593$

REMARKS

NEW WELL.

First Delivered 5-02-66.



SUMMARY

P_c = 2068
Q = 702
P_w = 509
P_d = 1034
D = 593

Company EL PASO NATURAL GAS COMPANY
By H. L. Kendrick
Title Regional Gas Well Test Engineer
Witnessed By
Company
