

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

Pool Aztec Formation Pictured Cliffs County San Juan
Well Name Mudge No. 28 75-290
Unit 0 S 20 T 31 R 11 Pay Zone 2606 To 2633 Flow String Casing
Casing O D 2.875 I D 2.441 Set at 2742 Tubing O D None I D L 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 From 3-07-66 To 3-15-66 SIP Measured 12-01-65

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 669 (J) Tubing 0000 (k) (e) (f)

7 Day-Avg. Flowing Pres., psia
Chart 218 (g) Corrected 218 (h) P_f 218 (i) Gravity .664

G. I. = FRICION NEGLIGIBLE 1-e^{-s} = F_c (F_cQ)² =

(1-e^{-s}) (F_cQ)² = R² = P_f² = P_w² = USE P_f²

$$Q = \frac{205}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = 205$$

$$D=Q \frac{205}{\left[\frac{(P_c^2 - P_w^2)}{(P_c^2 - P_w^2)} \right]^n} = \left[\frac{161336}{400037} \right]^n = \frac{(.4033)}{.4620}^n = 95$$

REMARKS

New Well - First Delivered 2-14-66.



SUMMARY

P_c = 669
Q = 205
P_w = 218
P_d = 535
D = 95

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