

Initial
Deliverability Test

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

Pool Aztec Formation Pictured Cliffs County San Juan
Well Name Warren A No. 6 75-291
Unit I S 23 T 28 R 9 Pay Zone 2407 To 2454 Flow String Casing
Casing O D 2.875 I D 2.441 Set at 2520 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 Period Of Test Flow From 3-03-66 To 3-11-66 SIP Measured 11-18-65

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

7 Day-Avg. Flowing Pres., psia
Chart 256 (g) Corrected 256 (h) p_f 256 (i) Gravity .658

G. L. = 1584 1-e^{-s} = .109 F_c 5.551 (F_cQ)² 2.849

(1-e^{-s}) (F_cQ)² = R² = 311 P_i² = 65536 P_w² = 65847

Q = $\frac{304}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.000}{1.000} \right] = 304$

D=Q 304 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \left[\frac{216845}{537882} \right]^n = \frac{(.4031)}{.4620}^n = 140$

REMARKS

New Well - First Delivered 2-17-66.



SUMMARY

P_c = 777
Q = 304
P_w = 257
P_d = 622
D = 140

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