

Initial
Deliverability Test

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

Pool BLANCO Formation MV County SJ
Well Name HARDIE #1 70295
Unit B S 26 T 29 R 8 Pay Zone 4610 To 5310 Flow String TUBING
Casing O D 4.500 I D 4.052 Set at 5383 Tubing O D 2.375 I D 1.995 L 5230 Top Perf.
Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c 80 Comm. Designated P_c, psia Period Of Test Flow From 11-24-65 To 12-02-65 SIP Measured 10-20-65

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 899 (j) Tubing 899 (k) 0006 (e) 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 504 (g) Corrected 504 (h) P_t 504 (i) Gravity .711

G. L. = 3719 1-e^{-s} = .237 F_c 9.402 (F_cQ)² 56.430

(1-e^{-s}) (F_cQ)² = R² = 13374 P_i² = 254016 P_d² = 267390

$$Q = \frac{799}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = \frac{1.0000}{1.0000} = 799$$

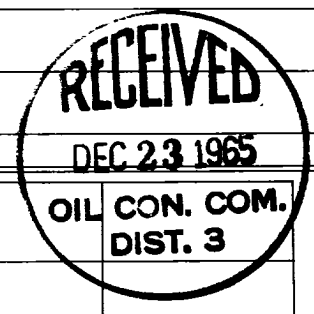
$$D=Q \times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \left[\frac{291240}{540811} \right]^n = \frac{(.5385)^n}{.6286} = 502$$

REMARKS

SUMMARY

P_c = 899
Q = 799
P_w = 517
P_d = 719
D = 502

Company EL PASO NATURAL GAS CO
By H. L. Kendrick
Title AREA GAS WELL TEST ENGINEER
Witnessed By
Company



65350

70295

5374