

Initial
Deliverability Test

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

Pool BLANCO Formation MV County SJ
Well Name HUGHES #7 70422
Unit MS 29 T 29 R 8 Pay Zone 4594 To 5244 Flow String TUBING
Casing O D 4.500 I D 4.052 Set at 5394 Tubing O D 2.375 I D 1.995 L 5417 Top Perf.
Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c Comm. Designated P_c, psia Period Of Test Flow SIP Measured
80 From 11-23-65 To 12-01-65 09-28-65

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 887 (J) Tubing 762 (k) 0.000 (e) 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 555 (g) Corrected 555 (h) p_f 555 (i) Gravity .663

G. L. = 3591 1-e^{-s} = .230 F_c 9.402 (F_cQ)² 144.841

(1-e^{-s}) (F_cQ)² = R² = 33313 P₁² = 308125 P₂² = 341338

$$Q = \frac{1280}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{1.0000}{1.0000} = 1280$$

$$D=Q \times \left[\frac{(P_2^2 - P_3^2)}{(P_c^2 - P_w^2)} \right]^n = \left[\frac{282665}{445431} \right]^n = \frac{(.6349)^n}{.7169} = 910$$

REMARKS

OWWO - 1st delivered 11-9-65.



SUMMARY

P_c = 887
Q = 1280
P_w = 884
P_d = 710
D = 910

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

66003

1M
70422
5371