

Initial Deliverability Test

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

Pool Blanco Formation Mesa Verde County San Juan

Well Name Barrett No. 4 70-665

Unit A S 20 T 31 R 9 Pay Zone 4962 To 5471 Flow String Tubing

Casing O D 4.500 I D 4.052 Set at 5509 Tubing O D 2.375 I D 1.995 L 5431 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 10-13-65 To 10-21-65 SIP Measured 9-2-65

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 897(j) Tubing 900(k) _____(e) _____(f)

7 Day-Avg. Flowing Pres., psia _____
Chart 497(g) Corrected 497(h) p_f 497(i) Gravity .669

G. L. = 3633 1-e^{-s} = .232 F_c 9.402 (F_cQ)² 107.931

(1-e^{-s}) (F_cQ)² = R² = 25040 P_i² = 247009 P_w² = 272049

Q = $\frac{1105}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \underline{1105}$

D=Q $\frac{1105}{\left[\frac{(P_c^2 - P_w^2)}{(P_c^2 - P_w^2)} \right]^n} = \left[\frac{291600}{537951} \right]^n = \frac{(.5420)^n}{.6320} = \underline{698}$

REMARKS

1st Delivery after OWWO 9-23-65

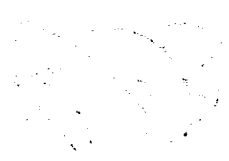


SUMMARY

P_c = 900
Q = 1105
P_w = 522
P_d = 720
D = 698

Company EL PASO NATURAL GAS COMPANY
By H. L. Kendrick
Title SENIOR GAS ENGINEER
Witnessed By _____
Company _____

Handwritten notes and diagrams, including a large circular diagram with internal lines and labels, and several lines of text.



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