

Initial
Deliverability Test

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

Pool BLANCO Formation M.V. County SJ
Well Name HOWELL K #1 70047
Unit K S21 T30 R8 Pay Zone 4187 To 4980 Flow String TUBING
Casing O D 7.000 I D 6.456 Set at 4200 Tubing O D 2.375 I D 1.955 L 4255 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 02-15-67 To 02-23-67 SIP Measured 05-02-66

Deadweight Flowing Pressure, psia
Casing (a) Tubing (b) Meter (c) Chart (d)

Deadweight Shut-In Pressures, psia
Casing 1007 (j) Tubing 809 (k) Meter Error 0008 (e) Friction Loss 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 570 (g) Corrected 570 (h) P_f 570 (i) Gravity .665

G. L. = 2830 1-e^{-s} = .186 F_c 9.402 (F_cQ)² 10.582

(1-e^{-s}) (F_cQ)² = R² = 1968 P_f² = 324900 P_w² = 326868

Q = $\frac{346}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = 346$

D=Q $\frac{346}{\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n} = \left[\frac{364415}{687181} \right]^n = \frac{(.5303)^n}{.6214} = 215$

REMARKS

Perf. Tbg. 1-16-67.

gk



SUMMARY

P_c = 1007
Q = 346
P_w = 572
P_d = 808
D = 215

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

67068					

70047
670

