

Initial
Deliverability Test

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

Pool BASIN Formation DAKOTA County SJ
Well Name HUERFANO UNIT #166 75613
Unit D S 31 T 26 R 9 Pay Zone 5697 To 6619 Flow String TUBING
Casing O D 4.500 I D 4.052 Set at 6673 Tubing O D 2.375 I D 1.995 L 6480 Top Perf.
Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P: Comm. Designated P_c psia Period Of Test Flow SIP Measured
50 From 06-12-67 To 06-20-67 05-03-67

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 1973 (j) Tubing 2000 (k) 0008 (e) 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 436 (g) Corrected 436 (h) P_f 436 (i) Gravity .678

G. L. = 4393 1-e^{-s} = .273 F_c 9.402 (F_cQ)² 137.687

(1-e^{-s}) (F_cQ)² = R² = 37589 P₁² = 190096 P₂² = 227685

Q = $\frac{1248}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = 1248$

D=Q $\frac{1248}{\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n} = \left[\frac{3000000}{3772315} \right]^n = \frac{(.7952)^n}{.8421} = 1051$

REMARKS

NEW WELL FIRST DELIVERED 5-26-67.



SUMMARY

P_c = 2000
Q = 1248
P_w = 477
P_d = 1000
D = 1051

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

67191

75613

2749

17-65

17-65

17-65

17-65 17-65 17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65 17-65 17-65

17-65

17-65

17-65

17-65

17-65

17-65 17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65

17-65



17-65 17-65 17-65



17-65 17-65

17-65 17-65 17-65

17-65 17-65 17-65

17-65