

Initial
Deliverability Test
File

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

Pool SASIN Formation DAKOTA County SJ
Well Name HUERFANITO UNIT #103 75446
Unit N S 3 T 26 R 9 Pay Zone 6426 To 6618 Flow String TUBING
Casing O D 4.500 I D 4.052 Set at 6753 Tubing O D 2.375 I D 1.995 L 6646 Top Perf.
Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c 50 Comm. Designated P_c, psia Period Of Test Flow From 11-16-66 To 11-24-66 SIP Measured 06-30-66

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 2015 (j) Tubing 1364 (k) 0008 (e) 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 512 (g) Corrected 512 (h) P_f 512 (i) Gravity .693

G. L. = 4606 1-e^{-s} = .285 F_c 9.402 (F_cQ)² 32.787

(1-e^{-s}) (F_cQ)² = R² = 9344 P_i² = 262144 P_w² = 271488

Q = $\frac{509}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = 609$

D=Q $\frac{509}{\left[\frac{(P_i^2 - P_w^2)}{(P_i^2 - P_w^2)} \right]^n} = \left[\frac{3044161}{3788737} \right]^n = \frac{(.8034)^n}{.8486} = 517$

REMARKS

New Well First Delivered 10-26-66.



SUMMARY

P_c = 2015
Q = 609
P_w = 521
P_d = 1008
D = 517

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

66342

75446

5622

