

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

Deliverability Test

Pool UNDESIGNAT Formation CHACRA County RA
Well Name SOUTHERN PET STATE #3 75503
Unit C S32 T26 R6 Pay Zone 3207 To 3312 Flow String TUBING
Casing O D 2.875 I D 2.441 Set at 3343 Tubing O D 1.660 I D 1.380 L 3217 Top Perf.
Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of Pc Comm. Designated Pc, psia Period Of Test Flow SIP Measured
80 From 02-08-67 To 02-16-67 08-04-66

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 (j) Tubing 920 (k) 0008 (e) 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 235 (g) Corrected 235 (h) P_t 235 (i) Gravity .693

G. L. = 2229 ✓ I-e -s = .150 ✓ F_c 24.621 ✓ (F_cQ)² 108.472 ✓

(1-e^{-s}) (F_cQ)² = R² = 16271 ✓ P_i² = 55225 ✓ P_w² = 71456 ✓

Q = $\frac{423}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = 423$ ✓

D=Q $\frac{423}{\left[\frac{(P_c^2 - P_w^2)}{(P_c^2 - P_d^2)} \right]^n} = \left[\frac{304704}{774904} \right]^n = \frac{(.3932)^n}{.4565} = 210$ ✓

REMARKS

New Well first Delivered 1-25-67.



SUMMARY

P_c = 920 ✓
Q = 423 ✓
P_w = 267 ✓
P_d = 736 ✓
D = 210 ✓

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

67068

75503

569

