

Initial
Deliverability Test

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

Pool BASIN Formation DAKOTA County RA E
Well Name SJ 27-5 UNIT #103 75653 E
Unit H S 14 T 27 R 5 Pay Zone 7698 To 7908 Flow String TUBING E
Casing O D 4.500 I D 4.052 Set at 7970 Tubing O D 2.375 I D 1.995 L 7670 Top Perf. E
Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY E

Pd: % Of P_c Comm. Designated P_c, psia Period Of Test Flow SIP Measured
50 From 09-22-67 To 09-30-67 07-20-67 E

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

Deadweight Shut-In Pressures, psia Meter Error Friction Loss
Casing 2479 (j) Tubing 2569 (k) 0000 (e) 0 (f) E

7 Day-Avg. Flowing Pres., psia
Chart 497 (g) Corrected 497 (h) p_t 497 (i) Gravity .678 E

G. L. = 5200 1-e^{-s} = .315 F_c 9.402 (F_cQ)² 34.857 E

(1-e^{-s}) (F_cQ)² = R² = 10980 P_i² = 247009 P_e² = 257989 E

Q = $\frac{628}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = \frac{628}{1}$ E

D=Q 628 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_e^2)} \right]^n = \left[\frac{4948536}{6341772} \right]^n = \frac{(.7803)^n}{.8302} = \frac{521}{1}$ E

REMARKS

New Well First Delivered 8-26-67.



SUMMARY

P_c = 2569
Q = 628
P_w = 508
P_d = 1285
D = 521

Company EL PASO NATURAL GAS CO
By [Signature]
Title AREA GAS WELL TEST ENGINEER
Witnessed By _____
Company _____

67283

75653

3410