

Initial
Deliverability Test

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

Pool BASIN Formation DAKOTA County RA
Well Name SJ 27-5 UNIT #100 86551
Unit M S 1 T 27R 5 Pay Zone 8487 To 8664 Flow String TUBING
Casing O D 4.000 I D 3.428 Set at 8749 Tubing O D 2.375 I D 1.995 L 8631 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 03-14-67 To 03-22-67 SIP Measured 12-08-66

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

Deadweight Shut-In Pressures, psia
Casing 2537 (j) Tubing 2514 (k) Meter Error 0008 (e) Friction Loss 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 484 (g) Corrected 484 (h) p_i 484 (i) Gravity .652

G. L. = 5627 1-e^{-s} = .336 F_c 9.402 (F_cQ)² 30.669

(1-e^{-s}) (F_cQ)² = R² = 10305 P₁² = 234256 P₂² = 244561

Q = $\frac{589}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = \frac{1.0000}{1.0000} = \underline{589}$

D=Q 589 $\times \left[\frac{(P_2^2 - P_3^2)}{(P_1^2 - P_2^2)} \right]^n = \left[\frac{4826008}{6191808} \right]^n = \frac{(1.7794)^n}{.8295} = \underline{489}$

REMARKS

New Well First Delivered 2-28-67.



SUMMARY

P_c = 2537
Q = 589
P_w = 495
P_d = 1269
D = 489

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