

Initial
Deliverability Test

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

Pool BASIN Formation DAKOTA County RA
Well Name S J 27-5 UNIT #104 75673
Unit A S 12 T 27 R 5 Pay Zone 7890 To 8094 Flow String TUBING
Casing O D 4.000 I D 3.428 Set at 8130 Tubing O D 2.875 I D 1.995 L 7867 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 10-24-67 To 11-01-67 SIP Measured 08-16-67

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 2577 (j) Tubing 2601 (k) 0008 (e) 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 491 (g) Corrected 491 (h) P_t 491 (i) Gravity .678

G. L. = 5334 1-e^{-s} = .321 F_c 9.402 (F_cQ)² 61.184

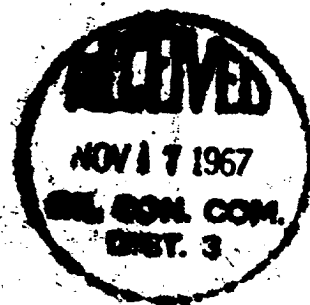
(1-e^{-s}) (F_cQ)² = R² = 19640 P_i² = 241081 P₂² = 260721

Q = $\frac{832}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = 832$

D=Q $\frac{832}{\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n} = \frac{5072600}{6504480} = \frac{(.7798)^n}{.8298} = 690$

REMARKS

New Well - First Delivered 10-6-67



SUMMARY

P_c = 2601
Q = 832
P_w = 511
P_d = 1301
D = 690

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

67318

75673

3549