

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

Pool SO BLANCO Formation PC County RA
Well Name SOUTHERN PETROLEUM ST #3 72291
Unit C S 32 T 26 R 6 Pay Zone 2340 To 2384 Flow String CASING
Casing O D 5.500 I D 4.950 Set at 2419 Tubing O D 1.660 I D 1.380 L 2358 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 11-20-66 To 11-28-66 08-30-66

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 414 (j) Tubing 414 (k) 0008 (e) 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 218 (g) Corrected 218 (h) P_t 218 (i) Gravity .666

G. L. = 1558 $1-e^{-s}$ = .107 F_c 1.257 $(F_c Q)^2$.503

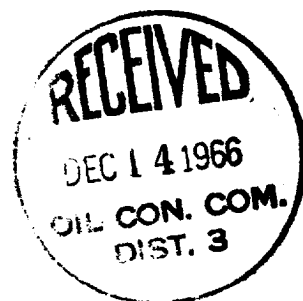
$(1-e^{-s}) (F_c Q)^2 = R^2$ = 54 P_1^2 = 47524 P_2^2 = USE PT2

$Q = \frac{564}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = \frac{1.0000}{1.0000} = 564$

$D=Q \frac{564}{\left[\frac{(P_1^2 - P_2^2)}{(P_1^2 - P_2^2)} \right]^n} = \left[\frac{61835}{123872} \right]^n = \frac{(.4991)^n}{.5539} = 312$

REMARKS

OWWO First Delivered 11-3-66.



SUMMARY

P_c = 414
 Q = 564
 P_w = 218
 P_d = 331
 D = 312

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

66342

72291

5641

