

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

Pool Blanco Formation Mesa Verde County San Juan
Well Name Sunray No. 1 70335
Unit M S 5 T 29 R 8 Pay Zone 4673 To 5443 Flow String Tubing
Casing O D 7.000 I D 6.366 Set at 4600 Tubing O D 2.375 I D 1.995 L 4687 Top Perf.
Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c 80 Comm. Designated P_c, psia Period Of Test Flow From 5/13/64 To 5/21/64 SIP Measured 1/2/63

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 863 (j) Tubing 863 (k) (e) (f)

7 Day-Avg. Flowing Pres., psia
Chart 497 (g) Corrected 497 (h) p₁ 497 (i) Gravity .687

G. L. = 3220 1-e = .209 Fc 9.402 (F_cQ)² 32.251

(1-e) (F_cQ)² = R² = 6740 P₁² = 247009 P₂² = 253749

$$Q = \frac{604}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{604}{1} = 604$$

$$D=Q \frac{604}{1} \times \left[\frac{(P_2^2 - P_1^2)}{(P_1^2 - P_2^2)} \right]^n = \left[\frac{268669}{491020} \right]^n = \frac{(1.5471)}{.6360}^n = 384$$

REMARKS

Perforated tubing at following depths: 1/4" at 4836,
1/4" at 4805, 2 holes at 4687. Turned back on production
4-21-64.



SUMMARY

P_c = 863
Q = 604
P_w = 504
P_d = 690
D = 384

Company EL PASO NATURAL GAS COMPANY
By H. L. Kendrick
Title SENIOR GAS ENGINEER
Witnessed By
Company
