

Initial
Deliverability Test

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

FORM C-122-A
(EL PASO - 2-1-61)

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, CHACRA, FARMINGTON
& ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA & UTE DOME.)

Pool Blanco Formation Mesa Verde County Rio Arriba
Well Name San Juan 31-6 No. 20 72-991
Unit B S 3 T 30 R 6 Pay Zone 5618 To 5670 Flow String Tubing
Casing O D 7 Wt 20 Set at 3793 Tubing O D 1-1/4 Wt 2.4 L 5046 Top Perf.
Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Date Flow Press. Meas. _____ Period of test flow _____ SIP Measured _____
From 10-30-61 To 11-7-61 7-17-61

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 1166 (j) Tubing 1142 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia _____
Chart 504 (g) Corrected 504 (h) P_f 504 (i) Gravity .595

G. L. = 3759 1-e^{-s} = .217 (F_cQ)² = 207.446

(1-e^{-s}) (F_cQ)² = R² = 45016 P_i² = 254016 P_w² = 299032

Q = 585 (integrated) X $\left[\sqrt{\frac{(c)}{(d)}} \right] = \underline{\underline{585}}$

D = Q 585 X $\left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N \right) = \frac{.9751}{.9798} = \underline{\underline{573}}$



SUMMARY

P_c = 1142 psia Company EL PASO NATURAL GAS COMPANY
Q = 585 MCF/D By H. L. Hendrick
P_w = 547 psia Title Sr. Gas Engineer
P_d = 571 psia Witnessed By _____
D = 573 MCF/D Company _____

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