

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.)

Initial
Deliverability Test

Pool South Blanco Formation Pictured Cliff County Rio Arriba

Well Name Nearilla No. 12-F 72-986

Unit X S 16 T 26 R 5 Pay Zone 3038 To 3084 Flow String Casing

Casing O D 2-7/8 Wt 6.4 Set at 3147 Tubing O D None Wt L 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 11-7-61 To 11-15-61 7-11-61

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 1026 (j) Tubing (k) (e) (f)

7 Day Avg. Flowing Pres., psia
Chart 231 (g) Corrected 231 (h) P_f 231 (i) Gravity .708

FRICTION NEGLIGIBLE

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

$(1-e^{-s})(F_c Q)^2 = R^2$ = P_f^2 = P_w^2 = Use P_c^2

$Q = \frac{155}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = 155$

$D = Q \times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{789507}{999315} = \frac{.7900}{.8184} = 127$

SUMMARY

P_c = 1026 psia
 Q = 155 MCF/D
 P_w = 231 psia
 P_d = 513 psia
 D = 127 MCF/D

Company EL PASO NATURAL GAS COMPANY
By H. L. Kendrick
Title Sr. Gas Engineer
Witnessed By
Company



