

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 Undesignated Formation Pictured cliffs County San Juan
Well Name Antelope "A" No. 5 73-344
Unit G S 22 T 29 R 2 Pay Zone 2222 To 3225 Flow String Casing
Casing O D 2.875 Wt 6.4 Set at 3225 Tubing O D 2.375 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 From 12-26-62 To 1-3-63 SIP Measured 2-1-62

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 1005 (j) Tubing (k) (e) (f)

7 Day Avg. Flowing Pres., psia
Chart 497 (g) Corrected 497 (h) P_1 497 (i) Gravity .675

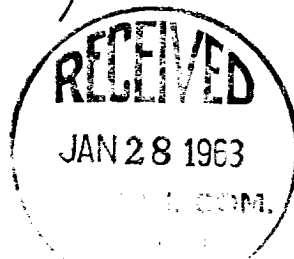
FRICTION MULTIPLIER

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

$(1-e^{-s})(F_c Q)^2 = R^2 =$ $P_1^2 =$ $P_w^2 =$ 497

$Q =$ 1.0 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} = \frac{(c)}{(d)} = \frac{(c)}{(d)} \right] =$ 1.0

$D = Q$ 1.0 $\times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{1005^2 - 322^2}{1005^2 - 497^2} = \frac{604800}{508800} = 1.19 \right]^N = \frac{1.19}{1.19} = 1.0 \right)$



SUMMARY

$P_c =$ 1005 psia
 $Q =$ 1.0 MCF/D
 $P_w =$ 497 psia
 $P_d =$ 322 psia
 $D =$ 1.0 MCF/D

Company EL PASO NATURAL GAS COMPANY
By E. L. Hendrick
Title Dr. Gas Engineer
Witnessed By
Company

WILSON, J. W. 1971. *Journal of the American Water Resources Association* 7: 103-110.

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2. $\frac{1}{2}$: 1

$\frac{\partial}{\partial t} \left(\frac{1}{2} \rho \mathbf{u} \cdot \mathbf{u} \right) + \nabla \cdot \left(\frac{1}{2} \rho \mathbf{u} \otimes \mathbf{u} \right) = \nabla \cdot \left(\frac{1}{2} \rho \mathbf{u} \otimes \mathbf{u} \right) + \nabla \cdot \left(\frac{1}{2} \rho \mathbf{u} \otimes \mathbf{u} \right)$