

Initial
Deliverability

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 Astos Formation Pictured Cliffs County San Juan
Well Name Kendrick No. 1 73-358
Unit 1 S 16 T 20 R 8 Pay Zone 2280 To 2328 Flow String Casing
Casing O D 2.875 Wt 6.4 Set at 24.11 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 12-7-62

To

12-15-62

8-3-62

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 104.1 (j) Tubing (k) (e) (f)

7 Day Avg. Flowing Pres., psia

Chart 490 (g)

Corrected 490 (h)

P_f 490 (i) Gravity .646

FRICTION NEGLECTABLE

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_f²

$$Q = \frac{204}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{204}{\quad} \right] = 204$$

$$D = Q \frac{204}{\quad} \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{812240}{813581} \right]^N = \frac{.9628}{.9683} \right) = 198$$

SUMMARY

P_c = 104.1 psia

Q = 204 MCF/D

P_w = 490 psia

P_d = 521 psia

D = 198 MCF/D

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



