

Initial
Deliverability Test

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

FORM G-72-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 Basin Formation Dakota County San Juan

Well Name Horton No. 14 73-070

Unit 0 S 29 T 11 R 11 Pay Zone 6950 To 7080 Flow String tubing

Casing O D 5-1/2 Wt 17 Set at 6831 Tubing O D 2-3/8 Wt 4.7 L 7050 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 11-28-61 To 12-6-61 7-24-61

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 2008 (j) Tubing 1725 (k) (e) (f)

7 Day Avg. Flowing Pres., psia

Chart 497 (g) Corrected 497 (h) P_1 497 (i) Gravity .693

G. L. = 4886 $1-e^{-s} =$.299 $(F_c Q)^2 =$ 24.177

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 7229 $P_i^2 =$ 247009 $P_w^2 =$ 254238

$Q =$ 523 $\times \left[\sqrt{\frac{(c)}{(d)}} \right] =$ 523

$D = Q$ 523 $\times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right] = \frac{2230856}{2721387} \right)^N = \frac{.6197}{.8615} =$ 452

SUMMARY

$P_c =$ 1725 psia

$Q =$ 523 MCF/D

$P_w =$ 504 psia

$P_d =$ 863 psia

$D =$ 452 MCF/D

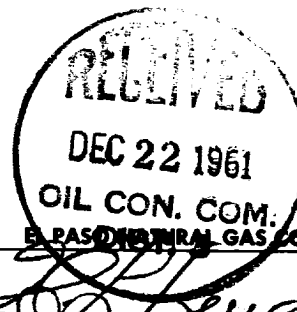
Company

By

Title

Witnessed By

Company



H. L. Kendrick
Mr. Gas Engineer