

Initial
Deliverability Test

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

FORM C-122-A
(EL PASO - 2-1-51)

(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 Ludwick No. 19 73-078
Unit B S 5 T 29 R 10 Pay Zone 6692 To 6904 Flow String Tubing
Casing O D 4.5 Wt 10.5 Set at 6921 Tubing O D 2.375 Wt 4.7 L 6733 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 2-10-62 To 2-18-62 9-28-61

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 2081 (j) Tubing 2083 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia _____
Chart 563 (g) Corrected 563 (h) P_1 563 (i) Gravity .675

G. L. = 4545 $1-e^{-s} =$.281 $(F_c Q)^2 =$ 27.720
 $\pm R^2$ (across choke) = 97,000

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 7789 $P_1^2 =$ 314969 $P_w^2 =$ 421758

$Q =$ 560 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} \right] =$ 560

$D = Q$ 560 $\times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N \right) =$.8700 $=$ 487

* This well has a 1/4" PEI bottom hole choke at 6724'. True $P_1^2 = R^2 + P_f^2 + R^2$ (across choke). R^2 (across choke) was taken from NMO calibration curve dated 9-19-61.

SUMMARY

$P_c =$ 2083 psia
 $Q =$ 560 MCF/D
 $P_w =$ 649 psia
 $P_d =$ 1042 psia
 $D =$ 487 MCF/D

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


