

Initial
Deliverability Test

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

FORM L-142-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 Ludwick No. 21 73-145
Unit X S 31 T 30 R 10 Pay Zone 6824 To 6976 Flow String Tubing
Casing O D 4.5 Wt 11.6 Set at 7950 Tubing O D 2.375 Wt 4.7 L 6967 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 3-18-62 To 3-26-62 11-17-61

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

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

G. L. = 4738 $1-e^{-s} =$.291 $(F_c Q)^2 =$ 56.852

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 16544 $P_i^2 =$ 233289 $P_w^2 =$ 249833

$Q = \frac{802}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = 802$

$D = Q \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N \right) = 678$



SUMMARY

$P_c =$ 2016 psia
 $Q =$ 802 MCF/D
 $P_w =$ 500 psia
 $P_d =$ 1008 psia
 $D =$ 678 MCF/D

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

