

Ability Test

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

FORM C 122-1
(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 Bear Formation Dakota County San Juan

Well Name Harriet No. 2 72-947

Unit A S 2 T 30 R 13 Pay Zone 6623 To 6227 Flow String Tubing

Casing O D 4-1/2" Wt 21.6 Set at 6788 Tubing O D 2-3/8 4.7 L 6570 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 070661 To 071461 112960

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 1854 (j) Tubing 1847 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia

Chart 456 (g) Corrected 456 (h) P_f 456 (i) Gravity .689

G. L. = 4327 $1-e^{-s} =$.280 $(F_c Q)^2 =$ 86.806

$(1-e^{-s})(F_c Q)^2 = R^2 =$ 24306 $P_i^2 =$ 287936 $P_w^2 =$ 232242

$Q =$ _____ $\times \left[\sqrt{\frac{(c)}{(d)}} = \right] =$ 991

$D = Q$ 991 $\times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \right. \right. \left. \left. \frac{.8044}{.8495} \right]^N = \right. \left. \frac{.8495}{.842} \right) =$ 842

SUMMARY

$P_c =$ 1847 psia

$Q =$ 991 MCF/D

$P_w =$ 482 psia

$P_d =$ 984 psia

$D =$ 842 MCF/D

Company

By

Title

Witnessed By

Company

EL PASO NATURAL GAS COMPANY

H. L. Hendrick

Sr. Gas Engineer



978	982				

