

Initial
Deliverability Test

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

FORM L-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 South Blanco Formation Pictured Cliffs County Rio Arriba

Well Name Jicarilla No. 14-F 72-995

Unit G S 16 T 26 R 5 Pay Zone 3128 To 3184 Flow String Casing

Casing O D 2-7/8 Wt 6.4 Set at 3260 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 09-28-61 To 10-06-61 6-12-61

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 1034 (j) Tubing (k) (e) (f)

7 Day Avg. Flowing Pres., psia

Chart 221 (g) Corrected 221 (h) P_f 221 (i) Gravity .664

G. L. = 2077 $1-e^{-s}$ = .140 $(F_c Q)^2$ = 4.880

$(1-e^{-s})(F_c Q)^2 = R^2$ = 683 P_i^2 = 48841 P_w^2 = 49324

$Q = \frac{398}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = 398$

$D = Q \times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{398}{\frac{801867}{1019632}} = \frac{.786}{.8155} = 325$

SUMMARY

P_c = 1034 psia

Q = 398 MCF/D

P_w = 223 psia

P_d = 517 psia

D = 325 MCF/D

Company

By

Title

Witnessed By

Company

EL PASO NATURAL GAS COMPANY

H. L. Kendrick
Sr. Gas Engineer



