Initial Deliverability Test

FORM C-122-A (EL PASO - 2-1-61)

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

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, CHACRA, FARMINGTON & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA & UTE DOME.)

Pool Blanco Formation Mesa Verde County San Juan

Well Name Kernaghan No. 2 30-517

Unit K S 28 T 31 R 8 Pay Zone 5104 To 5536 Flow String Tubing

Casing O D 4.5 Wt 9.5 Set at 5603 Tubing O D 2.375 Wt 4.7 L 5528 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 2-8-62 To 2-16-62 8-24-61

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 921 (j) Tubing 945 (k) (e) (f)

7 Day Avg. Flowing Pres., psia

Chart 511 (g) Corrected 511 (h) P_t 511 (i) Gravity .689

G. L. = 3477 $1-e^{-s}$ = .223 $(F_cQ)^2$ = 130.919

$(1-e^{-s})(F_cQ)^2 = R^2$ = 29185 P_t^2 = 261121 P_w^2 = 290316

Q = 1217 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)} = \quad = \quad}\right]$ = 1217

$D = Q$ 1217 $\times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.1104\right]^N = 1.0818\right)$ = 1317

RECEIVED
MAR 15 1962
OIL CON. COM.
DIST. 3

SUMMARY

P_c = 945 psia

Q = 1217 MCF/D

P_w = 539 psia

P_d = 473 psia

D = 1317 MCF/D

Company EL PASO NATURAL GAS COMPANY

By R. L. Kendrick

Title Sr. Gas Engineer

Witnessed By

Company