Initial Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION

# GAS WELL TEST DATA SHEET — SAN JUAN BASIN

FORM C-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 Basin Formation Dakota County Rio Arriba

Well Name Binsom No. 15E 73-102

Unit K S 12 T 27 R 6 Pay Zone 7376 To 7578 Flow String Tubing

Casing O D 4.1/2 Wt 11.6 Set at 7672 Tubing O D 2.375 Wt 4.7 L 7532 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 1-4-62 | To 1-12-62 | 11-3-61 |

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 2594 (j) Tubing 2379 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia

Chart 632 (g) Corrected 632 (h) $P_t$ 632 (i) Gravity .617

G. L. = 4873 $1-e^{-s}$ = .2981 $(F_cQ)^2$ = 71.132

$(1-e^{-s})(F_cQ)^2 = R^2$ = 21197 $P_t^2$ = 399424 $P_w^2$ = 420621

$Q$ = 897 (integrated) X $\sqrt{\frac{(c)}{(d)}}$ = _____ = _____ = 897

$D = Q$ 897 X $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = .8099\right]^N$ = .8537 = 766

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SUMMARY

| | | | |
|---|---|---|---|
| $P_c$ = 2379 | psia | Company | EL PASO NATURAL GAS COMPANY |
| $Q$ = 897 | MCF/D | By | H. L. Kendrick |
| $P_w$ = 649 | psia | Title | Sr. Gas Engineer |
| $P_d$ = 1190 | psia | Witnessed By | |
| $D$ = 766 | MCF/D | Company | |

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|---|---|---|---|---|---|
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