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 Basin Formation Dakota County San Juan

Well Name Mudge No. 26 73-071

Unit L S 21 T 31 R 11 Pay Zone 6900 To 7065 Flow String Tubing

Casing O D 4-1/2 Wt 10.5 Set at 7225 Tubing O D 2-3/8 Wt 4.7 L 7117 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 11-28-61 | To 12-6-61 | 8-6-61 |

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, 2142 (j) Tubing 1852 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia

Chart 504 (g) Corrected 504 (h) $P_t$ 504 (i) Gravity .633

G. L. = 4505 $1-e^{-s}$ = .279 $(F_cQ)^2$ = 25.110

$(1-e^{-s})(F_cQ)^2 = R^2$ = 7006 $P_t^2$ = 254016 $P_w^2$ = 261022

Q = 533 (integrated) X $\sqrt{\frac{(c)}{(d)} = \quad = \quad}$ = 533

D = Q 533 X $\left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{2572428}{3168882}\right]^N = \frac{.8117}{.8553}\right)$ = 456

RECEIVED
DEC 22 1961
OIL CON. COM.
DIST. 3

SUMMARY

$P_c$ = 1852 psia

Q = 533 MCF/D

$P_w$ = 511 psia

$P_d$ = 926 psia

D = 456 MCF/D

Company EL PASO NATURAL GAS COMPANY

By H. L. Kendrick

Title Sr. Gas Engineer

OK

Witnessed By _____

Company _____

| | | | | | |
|---|---|---|---|---|---|
| 532 at .7K | 508 at .7K | | | | |
| | | | | | |