Form C-122-A
(EL PASO)

NEW MEXICO OIL CONSERVATION COMMISSION

Initial
Deliverability Test

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

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

72523 Pool BLANCO Lease BLANCO 27 9 12 No. 2

Formation MV Unit G S 12 T 27 R 09 Pay Zone 4276 to 4461 Cty. SJ

Casing - OD 5500 Wt. 1550 Set at 4533 Tubing - OD 1250 Wt. 0240 L 4423 (T. Perf.)

Operator **EL PASO NATURAL GAS CO.** Purchasing Pipeline **EL PASO NATURAL GAS CO.**

OBSERVED DATA

Period of Test Flow: From 123059 To 010760 — S.I.P. Measured 091159 — Prod. String O.D. 1.250

Deadweight Flowing Pressure, psia: Casing _____ (a) Tubing _____ (b) Meter _____ (c) — Wt. 2.40

Flowing Pressure, psia: Chart _____ (d) — Deadweight Shut-in Pressure, psia: Tubing 1091 (k) Casing 1089 (j) — Length 4423

Meter Error: 0 (e) Friction Loss: 0 (f) 7 Day Avg. Flowing Pres., psia: Chart 490 (g) Corrected 490 (h)

FRICTION CALCULATION

Grav. .714 P_t = 490 (i) GL = 3158 $(1-e^{-s})$ = .205

$(F_cQ)^2$ = 1179579 $(1-e^{-s})(F_cQ)^2 = R^2$ = 241814 P_t^2 = 240100 P_w^2 = 481914

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{1395} \times \left[\sqrt{\frac{(c)}{(d)}} \quad \underset{}{1.0000} = \underset{}{1.0000}\right] = 1395$$

DELIVERABILITY CALCULATION

$$D = Q \quad 1395 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.2594\right]^N = 1.1888\right) = 1658$$

RECEIVED
MAR 21 1960
OIL CON. COM.
DIST. 3

SUMMARY

P_c = 1091
Q = 1395
P_w = 694
P_d = 546
D = 1658

D at 250 or 500 1371

Note:
250 ≠ for P.C.
500 ≠ for M.V.

1372

Company EL PASO NATURAL GAS CO.
By H. L. KENDRICK
Title GAS ENGINEER
Witnessed By _____
Company _____