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)

71332 Pool BLANCO Lease SAN JUAN 28 6 No. 26

Formation MV Unit N S 01 T 27 R 06 Pay Zone 5176 to 5532 Cty. RA

Casing - OD 7000 Wt. 2000 Set at 4857 Tubing - OD 2000 Wt. 0470 L 5013 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow — From 031559 To 032259 — S.I.P. Measured 112958 — Prod. String O.D. 2.000

Deadweight Flowing Pressure, psia — Casing _____ (a) Tubing _____ (b) Meter _____ (c) — Wt. 4.70

Flowing Pressure, psia — Chart _____ (d) — Deadweight Shut-in Pressure, psia — Tubing 963 (k) Casing 982 (j) — Length 5013

Meter Error 0 (e) — Friction Loss 0 (f) — 7 Day Avg. Flowing Pres., psia Chart 504 (g) Corrected 504 (h)

FRICTION CALCULATION

Grav. .678 P_t = 504 (i) GL = 3399 $(1-e^{-s})$ = .219

$(F_cQ)^2$ = 22099 $(1-e^{-s})(F_cQ)^2 = R^2$ = 4840 P_t^2 = 254016 P_w^2 = 258856

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{500} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = 1.0000\right] = 500$$

DELIVERABILITY CALCULATION

$$D = Q \quad 500 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.0396\right]^N = 1.0295\right) = 515$$

SUMMARY

P_c = 963

Q = 500

P_w = 509

P_d = 482

D = 515

D at 250 or 500 495

Note:
250 = for P.C.
500 = for M.V.

RECEIVED
APR 27 1959
OIL CON. COM.
DIST. 3

Company EL PASO NATURAL GAS CO

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____