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)

72515 Pool UNDESIGNATED Lease HUERFANO DK No. 112

Formation DK Unit G S 17 T 26 R 10 Pay Zone 6570 to 6714 Cty. SJ

Casing - OD 7000 Wt. 2300 Set at 6794 Tubing - OD 2000 Wt. 0470 L 6689 (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: 102159

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 1139 (k) Casing _____ (j)

Length 6689

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 331 (g) Corrected 331 (h)

FRICTION CALCULATION

Grav. .726 P_t = 331 (i) GL = 4856 $(1-e^{-s})$ = .298

$(F_cQ)^2$ = 4473 $(1-e^{-s})(F_cQ)^2 = R^2$ = 1333 P_t^2 = 109561 P_w^2 = 110894

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{225} \times \left[\sqrt{\frac{(c)}{(d)} \quad 1.0000} = 1.0000\right] = 225$$

DELIVERABILITY CALCULATION

$$D = Q \quad 225 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = .8196\right]^N = .8613\right) = 194$$

RECEIVED
MAR 21 1960
OIL CON. COM
DIST.

SUMMARY

P_c = 1139

Q = 225

P_w = 333

P_d = 570

D = 194

D at 250 or 500 203

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

210

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____