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)

71109 Pool BLANCO Lease C HUGHES M 3 No. 2

Formation MV Unit N S 03 T 27 R 09 Pay Zone 4629 to 4712 Cty. SJ

Casing - OD 5500 Wt. 1550 Set at 4802 Tubing - OD 2000 Wt. 0470 L 4734 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 032259 To 033059 — S.I.P. Measured 022059 — 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 1003 (k) Casing 1039 (j) — Length 4734

Meter Error: 0 (e) Friction Loss: 0 (f) 7 Day Avg. Flowing Pres., psia: Chart 483 (g) Corrected 483 (h)

FRICTION CALCULATION

Grav. .707 P_t = 483 (i) GL = 3347 $(1-e^{-s})$ = .216

$(F_cQ)^2$ = 832 $(1-e^{-s})(F_cQ)^2 = R^2$ = 180 P_t^2 = 233289 P_w^2 = 233469

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{97} \times \left[\sqrt{\frac{(c)}{(d)} \quad 1.0000} = 1.0000\right] = 97$$

DELIVERABILITY CALCULATION

$$D = Q \quad 97 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = .9757\right]^N = .9817\right) = 95$$

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

SUMMARY

P_c = 1003
Q = 97
P_w = 483
P_d = 502
D = 95

D at 250 or 500 94

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

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