Form C-122-A
(EL PASO)

Initial Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

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

72790 Pool BLANCO Lease BLANCO DEV 27 9 1 No. 3

Formation MV Unit M S 01 T 27 R 09 Pay Zone 4457 to 4598 Cty. SJ

Casing - OD 5500 Wt. 1550 Set at 4665 Tubing - OD 2375 Wt. 0470 L 4571 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 020661 To 021461

S.I.P. Measured: 102160

Prod. String: O.D. 2.375

Deadweight Flowing Pressure, psia:
Casing _____ (a) Tubing _____ (b) Meter _____ (c)

Prod. String: Wt. 4.70

Flowing Pressure, psia:
Chart _____ (d)

Deadweight Shut-in Pressure, psia:
Tubing 1024 (k) Casing 1083 (j)

Prod. String: Length 4571

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 = 3232 $(1-e^{-s})$ = .209

$(F_cQ)^2$ = 33582 $(1-e^{-s})(F_cQ)^2 = R^2$ = 7019 P_t^2 = 233289 P_w^2 = 240308

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{1044} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = 1.0000\right] = 1044$$

DELIVERABILITY CALCULATION

$$D = Q \quad 1044 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = .9729\right]^N = .9796\right) = 1023$$

SUMMARY

P_c = 1024

Q = 1044

P_w = 490

P_d = 512

D = 1023

D at 250 or 500 1016 1016

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 _____