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)

72776 Pool BLANCO Lease BLANCO DEV 27 9 12 No. 4

Formation MV Unit M S 12 T 27 R 09 Pay Zone 4332 to 4452 Cty. SJ

Casing - OD 5500 Wt. 1550 Set at 4552 Tubing - OD 2375 Wt. 0470 L 4463 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 012161 To 012961

S.I.P. Measured: 111160

Prod. String: O.D. 2.375

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

Wt. 4.70

Flowing Pressure, psia: Chart _____ (d)

Deadweight Shut-in Pressure, psia: Tubing 1091 (k) Casing 1098 (j)

Length 4463

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 490 (g) Corrected 490 (h)

FRICTION CALCULATION

Grav. .710 P_t = 490 (i) GL = 3169 $(1-e^{-s})$ = .206

$(F_cQ)^2$ = 53363 $(1-e^{-s})(F_cQ)^2 = R^2$ = 10993 P_t^2 = 240100 P_w^2 = 251093

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{1316} \times \left[\sqrt{\frac{(c)}{(d)} \quad 1.0000} = 1.0000\right] = 1316$$

DELIVERABILITY CALCULATION

$$D = Q \quad 1316 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = .9499\right]^N = .9621\right) = 1266$$

SUMMARY

P_c = 1091

Q = 1316

P_w = 501

P_d = 546

D = 1266

D at 250 or 500 1293

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 _____