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)

72554 Pool UNDESIGNATED Lease FRONTIER S No. 3

Formation DAKOTA Unit E S 04 T 27 R 11 Pay Zone 6524 to 6556 Cty. SJ

Casing - OD 7000 Wt. 2300 Set at 6742 Tubing - OD 2000 Wt. 0470 L 6364 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 040860 To 041560 — S.I.P. Measured 021060 — 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 1920 (k) Casing _____ (j) — Length 6364

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

FRICTION CALCULATION

Grav. .666 P_t = 504 (i) GL = 4251 $(1-e^{-s})$ = .266

$(F_cQ)^2$ = 231983 $(1-e^{-s})(F_cQ)^2 = R^2$ = 61707 P_t^2 = 254016 P_w^2 = 315723

FLOW RATE CALCULATION

$$Q = \underset{\text{(Integrated)}}{1620} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = 1.0000\right] = 1620$$

DELIVERABILITY CALCULATION

$$D = Q \quad 1620 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = .8202\right]^N = .8618\right) = 1396$$

RECEIVED MAY 20 1960 OIL CON. COM. DIST.

SUMMARY

P_c = 1920

Q = 1620

P_w = 962

P_d = 960

D = 1396

D at 250 or 500 1617

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

1633

Company EL PASO NATURAL Products GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By John J. Strojek

Company El Paso Natural Gas Products Co.