(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)

72570 Pool BLANCO Lease SAN JUAN 28 5 MV No. 35

Formation MV Unit K S 19 T 28 R 05 Pay Zone 5138 to 5730 Cty. RA

Casing - OD 7000 Wt. 2300 Set at 7545 Tubing - OD 1250 Wt 0240 L 4620 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow — From 062160 To 062960 — S.I.P. Measured 032160 — Prod. String O.D. 1.250

Deadweight Flowing Pressure, psia — Casing _____ (a) Tubing _____ (b) Meter _____ (c) — Wt. 2.40

Flowing Pressure, psia — Chart _____ (d) — Deadweight Shut-in Pressure, psia — Tubing 1087 (k) Casing 1087 (j) — Length 4620

Meter Error 0 (e) — Friction Loss 0 (f) — 7 Day Avg. Flowing Pres., psia Chart 526 (g) Corrected 526 (h)

FRICTION CALCULATION

Grav. .681 P_t = 526 (i) GL = 3146 $(1-e^{-s})$ = .204

$(F_cQ)^2$ = 1203396 $(1-e^{-s})(F_cQ)^2 = R^2$ = 245493 P_t^2 = 276676 P_w^2 = 522169

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{1409} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = 1.0000\right] = 1409$$

DELIVERABILITY CALCULATION

$$D = Q \quad 1409 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.3430\right]^N = 1.2475\right) = 1758$$

OK

RECEIVED
JUL 25 1960
OIL CON. COM.
DIST. 3

SUMMARY

P_c = 1087

Q = 1409

P_w = 723

P_d = 544

D = 1758

D at 250 or 500 1426

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

1427

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____