(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)

70386 Pool BLANCO Lease SAN JUAN 28 7 MV No. 1

Formation MV Unit A S 33 T 28 R 07 Pay Zone 4886 to 4958 Cty. RA

Casing - OD 5000 Wt. 1500 Set at 5019 Tubing - OD 2000 Wt. 0470 L 4894 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 083060 To 090760 — S.I.P. Measured 052260 — 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 769 (k) Casing _____ (j) — Length 4894

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

FRICTION CALCULATION

Grav. .703 P_t = 483 (i) GL = 3440 $(1-e^{-s})$ = .221

$(F_cQ)^2$ = 1858 $(1-e^{-s})(F_cQ)^2 = R^2$ = 411 P_t^2 = 233289 P_w^2 = 233700

FLOW RATE CALCULATION

$$Q = \frac{145}{\text{(integrated)}} \times \left[\sqrt{\frac{(c)}{(d)}} \quad \frac{1.0000}{} = \frac{1.0000}{}\right] = 145$$

DELIVERABILITY CALCULATION

$$D = Q \quad 145 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.2375\right]^N = 1.1732\right) = 170$$

An Intermitter was installed. Turned back on production 8/7/60.

RECEIVED OCT 11 1960 OIL CON. COM. DIST. 3

SUMMARY

P_c = 769

Q = 145

P_w = 483

P_d = 385

D = 170

D at 250 or 500 136

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

136

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____