(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)

72119 Pool BLANCO Lease SAN JUAN 28 4 20 No. 13

Formation MV Unit N S 20 T 28 R 04 Pay Zone 6630 to 6096 Cty. RA

Casing - OD 5500 Wt. 1550 Set at 6712 Tubing - OD 2000 Wt. 0470 L 6622 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow

From 042960 To 050760

S.I.P. Measured ~~103069~~ 103059

Deadweight Flowing Pressure, psia

Casing ______ (a) Tubing ______ (b) Meter ______ (c)

Flowing Pressure, psia

Chart ______ (d)

Deadweight Shut-in Pressure, psia

Tubing 587 (k) Casing 710 (j)

Prod. String

O.D. 2.000

Wt. 4.70

Length 6622

Meter Error 0 (e)

Friction Loss 0 (f)

7 Day Avg. Flowing Pres., psia

Chart 519 (g) Corrected 519 (h)

FRICTION CALCULATION

Grav. .668 P_t = 519 (i) GL = 4423 $(1-e^{-s})$ = .275

$(F_cQ)^2$ = 2739 $(1-e^{-s})(F_cQ)^2 = R^2$ = 753 P_t^2 = 269361 P_w^2 = 270114

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{176} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = 1.0000\right] = 176$$

DELIVERABILITY CALCULATION

$$D = Q \quad 176 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 3.4669\right]^N = 2.5407\right) = 447$$

Installed an intermitter.

RECEIVED
JUN 9 1960
OIL CON. COM.
DIST.

SUMMARY

P_c = 587

Q = 176

P_w = 520

P_d = 294

D = 447

D at 250 or 500 188

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

190

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

* Title GAS ENGINEER

Witnessed By ______

Company ______