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)

72408 Pool SOUTH BLANCO Lease SAN JUAN 28 7 PC No. 96

Formation PC Unit G S 08 T 27 R 07 Pay Zone 3237 to 3278 Cty. RA

Casing - OD 7625 Wt. 2640 Set at 3457 Tubing - OD 1250 Wt. 0240 L 3271 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 040759 To 041559

S.I.P. Measured: 011359

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 909 (k) Casing 909 (j)

Length 3271

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 235 (g) Corrected 235 (h)

FRICTION CALCULATION

Grav. .614 P_t = 235 (i) GL = 2008 $(1-e^{-s})$ = .136

$(F_cQ)^2$ = 891858 $(1-e^{-s})(F_cQ)^2 = R^2$ = 121293 P_t^2 = 55225 P_w^2 = 176518

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{1213} \times \left[\sqrt{\frac{(c)}{(d)} \quad .0000} = .0000\right] = 1213$$

DELIVERABILITY CALCULATION

$$D = Q \quad 1213 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = .9530\right]^N = .9599\right) = 1164$$

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MAY 1969
OIL CON. COM.
DIST. 3

SUMMARY

P_c = 909

Q = 1213

P_w = 420

P_d = 455

D = 1164

D at 250 or 500 1195

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 _____

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