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)

72676 Pool AZTEC Lease SUNRAY E PC No. 2

Formation PC Unit L S 09 T 30 R 10 Pay Zone 2996 to 3020 Cty. SJ

Casing - OD 7625 Wt. 2640 Set at 3206 Tubing - OD 1250 Wt. 0240 L 3005 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 101560 To 102260

S.I.P. Measured: 060760

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 957 (k) Casing 962 (j)

Length 3005

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia: Chart 181 (g) Corrected 181 (h)

FRICTION CALCULATION

Grav. .663 P_t = 181 (i) GL = 1992 $(1-e^{-s})$ = .135

$(F_cQ)^2$ = 181360 $(1-e^{-s})(F_cQ)^2 = R^2$ = 24484 P_t^2 = 32761 P_w^2 = 57245

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{547} \times \left[\sqrt{\frac{(c)}{(d)} \quad 1.0000} = 1.0000\right] = 547$$

DELIVERABILITY CALCULATION

$$D = Q \quad 547 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = .7994\right]^N = .8267\right) = 452$$

RECEIVED
NOV 16 1960
OIL CON. COM.
DIST. 3

SUMMARY

P_c = 957

Q = 547

P_w = 239

P_d = 479

D = 452

D at 250 or 500 528

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

534

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____