(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)

74698 Pool SOUTH BLANCO Lease JICARILLA G No. 4

Formation PC Unit P S 24 T 26 R 05 Pay Zone 3156 to 3208 Cty. RA

Casing - OD 5500 Wt. 1550 Set at 3257 Tubing - OD 1250 Wt 0240 L 3181 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 112958 To 120758

S.I.P. Measured: 073158

Prod. String: O.D. 1.250

Deadweight Flowing Pressure, psia: Casing _____ (a) Tubing _____ (b) Meter _____ (c)

Prod. String: Wt. 2.40

Flowing Pressure, psia: Chart _____ (d)

Deadweight Shut-in Pressure, psia: Tubing 1044 (k) Casing 1046 (j)

Prod. String: Length 3181

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 242 (g) Corrected 242 (h)

FRICTION CALCULATION

Grav. .694 P_t = 242 (i) GL = 2208 $(1-e^{-s})$ = .148

$(F_cQ)^2$ = 116295 $(1-e^{-s})(F_cQ)^2 = R^2$ = 17212 P_t^2 = 58564 P_w^2 = 75776

FLOW RATE CALCULATION

$Q = \underset{\text{(integrated)}}{438} \times \left[\sqrt{\frac{(c)}{(d)}} \quad .0000 = .0000\right] = 438$

DELIVERABILITY CALCULATION

$D = Q \quad 438 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = .8060\right]^N = .8325\right) = 365$

RECEIVED JAN 30 1959 OIL CON. COM.

SUMMARY

P_c = 1044

Q = 438

P_w = 275

P_d = 522

D = 365

D at 250 or 500 434

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 _____