(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)

71325 Pool EAST COMPANERO DAKOTA Lease SAN JUAN 27-4 No. 5

Formation DAKOTA Unit A S 07 T 27 R 04 Pay Zone 8034 to 8305 Cty. RA

Casing - OD 7000 Wt. 2300 Set at 8089 Tubing - OD 2000 Wt 0470 L 8036 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 062960 To 070760

S.I.P. Measured: 6146

Prod. String: O.D. 2.000

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

Prod. String: Wt. 4.70

Flowing Fressure, psia: Chart _____ (d)

Deadweight Shut-in Pressure, psia: Tubing 1993 (k) Casing 164 (j)

Prod. String: Length 8036

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 55 (g) Corrected 555 (h)

FRICTION CALCULATION

Grav. .600 P_t = 555 (i) GL = 482 $(1-e^{-s})$ = .296

$(F_cQ)^2$ = 18870 $(1-e^{-s})(F_cQ)^2 = R^2$ = 5586 P_t^2 = 30802 P_w^2 = 313611

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{462} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = .000\right] = 462$$

DELIVERABILITY CALCULATION

$$D = Q \quad 462 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = .8140\right]^N = .856\right) = 396$$

Perforated tubing.

SUMMARY

P_c = 1993

Q = 462

P_w = 560

P_d = 997

D = 396

D at 250 or 500 466

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

461

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS E. GINEER

Witnessed By _____

Company _____

OIL CON. COM.
DIST. 3