(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)

74551 Pool SOUTH BLANCO Lease JICARILLA B No. 3

Formation PC Unit O S 28 T 25 R 04 Pay Zone 3132 to 3162 Cty. RA

Casing - OD 5500 Wt. 1550 Set at 3225 Tubing - OD 2375 Wt. 0470 L 2564 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 030661 To 031461

S.I.P. Measured: 121560

Prod. String: O.D. 5.500

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

Wt. 15.50

Flowing Pressure, psia: Chart _____ (d)

Deadweight Shut-in Pressure, psia: Tubing 294 (k) Casing 294 (j)

Length 3132

Meter Error: 0 (e) Friction Loss: 0 (f) 7 Day Avg. Flowing Pres., psia: Chart 235 (g) Corrected 235 (h)

FRICTION CALCULATION

Grav. .720 P_t = 235 (i) GL = 2255 $(1-e^{-s})$ = .151

$(F_cQ)^2$ = 44 $(1-e^{-s})(F_cQ)^2 = R^2$ = 7 P_t^2 = 55225 P_w^2 = 55232

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{178} \times \left[\sqrt{\frac{(c)}{(d)} \quad 1.0000} = 1.0000\right] = 178$$

DELIVERABILITY CALCULATION

$$D = Q \quad 178 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 2.0770\right]^N = 1.8613\right) = 331$$

Unable to obtain 25% drawdown

RECEIVED APR 10 1961 OIL CON. COM. DIST. 3

SUMMARY

P_c = 294

Q = 178

P_w = 235

P_d = 147

D = 331

D at 250 or 500 110

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

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Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____