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)

74843 Pool UNDESIGNATED Lease FRONTIER B (GD) No. 2

Formation DK Unit D S 09 T 27 R 11 Pay Zone 6506 to 6550 Cty. SJ

Casing - OD 7000 Wt. 2300 Set at 6719 Tubing - OD 2000 Wt. 0470 L 6441 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow		S.I.P. Measured	Prod. String
From 073059	To 080759	042759	O.D. 2.000

Deadweight Flowing Pressure, psia

Casing _____ (a) Tubing _____ (b) Meter _____ (c) Wt. 4.70

Flowing Pressure, psia / Deadweight Shut-in Pressure, psia

Chart _____ (d) Tubing 2044 (k) Casing _____ (j) Length 6441

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia: Chart 664 (g) Corrected 664 (h)

FRICTION CALCULATION

Grav. .673 P_t = 664 (i) GL = 4335 $(1-e^{-s})$ = .270

$(F_cQ)^2$ = 154480 $(1-e^{-s})(F_cQ)^2 = R^2$ = 41710 P_t^2 = 440896 P_w^2 = 482606

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{1322} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 \quad = \quad 1.0000\right] = 1322$$

DELIVERABILITY CALCULATION

$$D = Q \quad 1322 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = .8479\right]^N = .8859\right) = 1171$$

SUMMARY

P_c = 2044

Q = 1322

P_w = 695

P_d = 1022

D = 1171

D at 250 or 500 1371

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

1380

RECEIVED
SEP 4 1959
OIL CON. COM.
DIST. 3

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By John J. Strijek

Company El Paso Natural Gas Products Co

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SEP 4 1992
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