Initial Deliverability Test

FORM C-122-A
(EL PASO - 2-1-61)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET — SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, CHACRA, FARMINGTON & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA & UTE DOME.)

Pool Basin Formation Dakota County San Juan

Well Name Keaton No. 14 73-070

Unit G S 29 T 31 R 11 Pay Zone 6930 To 7080 Flow String Tubing

Casing O D 5-1/2 Wt 17 Set at 6831 Tubing O D 2-3/8 Wt 4.7 L 7050 Top Perf.

Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Date Flow Press. Meas.	Period of test flow		SIP Measured
	From 11-28-61	To 12-6-61	7-24-61

Deadweight Flowing Pressure, psia — Flowing Pressure psia

Casing _____ (a) Tubing _____ (b) Meter _____ (c) Chart _____ (d)

Deadweight Shut-in Pressures, psia — Meter Error — Friction Loss

Casing 2008 (j) Tubing 1725 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia

Chart 497 (g) Corrected 497 (h) P_t 497 (i) Gravity .693

G. L. = 4886 $1-e^{-s}$ = .299 $(F_cQ)^2$ = 24.177

$(1-e^{-s})(F_cQ)^2 = R^2$ = 7229 P_t^2 = 247009 P_w^2 = 254238

$Q = \underset{\text{(integrated)}}{523} \times \left[\sqrt{\frac{(c)}{(d)} = \quad = \quad}\right] = 523$

$D = Q \; 523 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{2230856}{2721387}\right]^N = \frac{.8197}{.8615}\right) = 452$

SUMMARY

P_c = 1725 psia

Q = 523 MCF/D

P_w = 504 psia

P_d = 863 psia

D = 452 MCF/D

Company EL PASO NATURAL GAS COMPANY

By K. L. Kendrick

Title Sr. Gas Engineer

Witnessed By _____

Company _____

RECEIVED
DEC 22 1961
OIL CON. COM.