

NEW MEXICO OIL CONSERVATION COMMISSION

Pd: % Of P _c	Comm. Designated P _c , psia	Period Of Test Flow	SIP Measured
50		From 1-4-64 To 1-12-64	12-9-63

Flowing Pressure, psia

Deadweight Shut-In Pressures, psia

Meter Error

Friction Loss

Casing 864 (j) Tubing 864 (k) _____ (e) _____ (f)

7 Day-Avg. Flowing Pres., psia

Chart 555 (g) Corrected 555 (h) p_1 555 (i) Gravity 64.6

G. I. = 3294 $1 - e^{-s} =$.213 F_c 9.402 $(F_c Q)^2$ 157.553

$$(1-0.4)(F_c Q)^2 = R^2 = \underline{33559} \quad P_1^2 = \underline{308025} \quad P_2^2 = \underline{341584}$$

$$Q = \frac{1335}{(\text{integrated})} \times \left[\begin{array}{c} \sqrt{\quad} \\ (c) \\ (d) \end{array} \right] = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{1335}$$

$$D=Q \quad \underline{1335} \times \left[\frac{(P_2^2 - P_1^2)}{(P_2^2 - P_1^2)} \right]^n = \frac{559872}{404912}^n = \frac{(1.3827)^n}{1.2752} = \underline{1702}$$

SUMMARY

$P_c = 864$
 $Q = 1335$
 $P_w = 584$
 $P_d = 432$
 $D = 1702$

Company

~~EL PASO NATURAL GAS COMPANY~~

By

H. L. KENDRICK
SENIOR GAS ENGINEER

Title

Witnessed By

Company

RECEIVED

JAN 29 1964

IL CON. COM.
DIST. 3

$$P_d = 50\% P_c$$