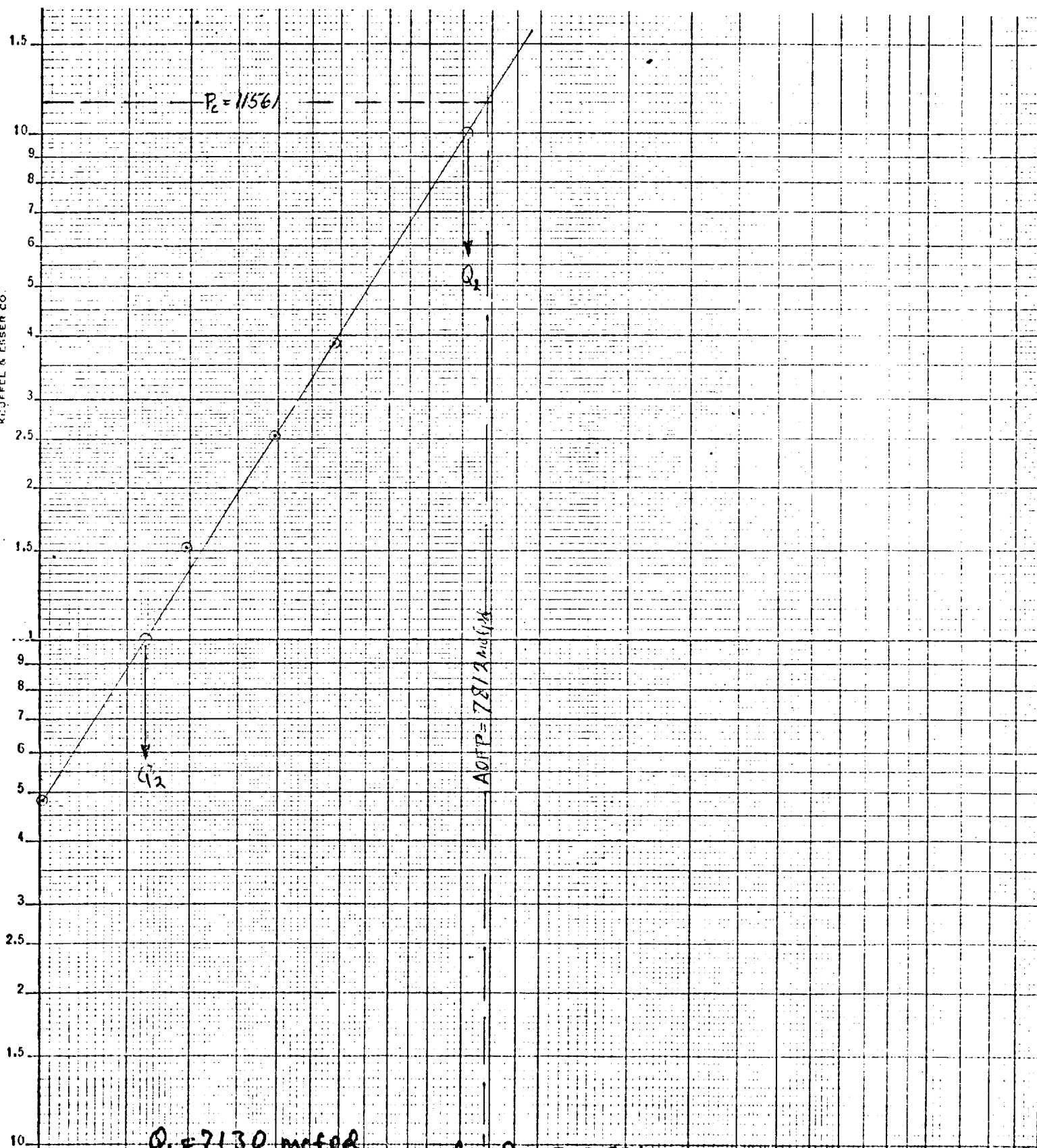


YPC- Hilliard BF Federal No.1

1650/N 630/E Sec 14-21s-22E, Eddy Co., N.Mex.

LOGARITHMIC
2 X 2 CYCLES
KIEFFEL & ESSER CO.
48 7203
MADE IN U.S.A.



$Q_1 = 7130$ mcfpd
 $Q_2 = 1630$ mcfpd

$\log Q_1 = 3.8531$
 $\log Q_2 = 3.2122$
 $n = 0.6409$