Assume the rate law is of the form

Thep = KPUTTED

1+ KP2

1+ KP2

At high T K L as T A ... KPVTIPO KE I

TDEP = KPVTIPO

Porise =k

Run # $\frac{0.028}{(0.05)^2}$ $\frac{0.45}{(0.2)^2}$ $\frac{7.2}{(0.8)^2}$ $\frac{11.25}{11.25}$

At low T and low ?

roep = kPvTIPO

 $\frac{r_{Dep}}{P_{VTIP0}^{2}} = k \qquad \frac{0.004}{0.1^{2}} \qquad \frac{0.015}{0.2^{2}}$ $= 0.4 \qquad 0.375$

low Pr. data fits

of high P
$$KP_{VPIPO}^2 = \frac{k}{KP_{VPIPO}^2}$$

at
$$P_{VT1P0} = 1.5$$
 $V = 0.095$
 $P_{VT1P0} = 2$ $V = 0.1$

Activation energy:

$$\ln\left(\frac{11\cdot 2}{0\cdot 4}\right) = \frac{E}{E}\left(\frac{1}{473} - \frac{1}{393}\right)$$