

3=0 Vr=0 => f(0)=0; (3=0 3-hVr=0 => f(h)= Kh2 +C2h=0 a) Z=0 Vr=0, Vo=0 +r Z=h, Vr=0, Vo=60r r=Ri, p=ko, r=R2, p=katm 8 Vz=0; 36 =0, 30=0, g=0 LHS of NS=0 (irertic terms) 2 (3-h) $V_r = V_0 = f(r, 3), p(r, 3)$ Load = S(b-Paim)2000 dr + 2 (rvr) = 2 (rVr)=0 => rVr=f(3) $\frac{1}{2}$ K $\left(\frac{r}{R^2}\right) \left(2\pi r\right) dr$ a) 1/2 = (1+3/4) r 0= -30+/2 332 ~ Vo = wite (1+3/h); 2 (No)=100 (1+3/h) 0= 0= M3(+2(No))+276 +3(Nb) = WX(+3/b) 3/2r(+ 3(NO)) → N.S. Egr for O satisfied. => rdb = mf"(3) = const. de= = = klar+C1fo=KlnR,+G; Potm=KlnR2+CA+ po-patm = Kln R1 => K = 100- patm In R12-Ci= po-klnRi f"(3)= K => f(3)= K3+62

f(3)= K32 + C23