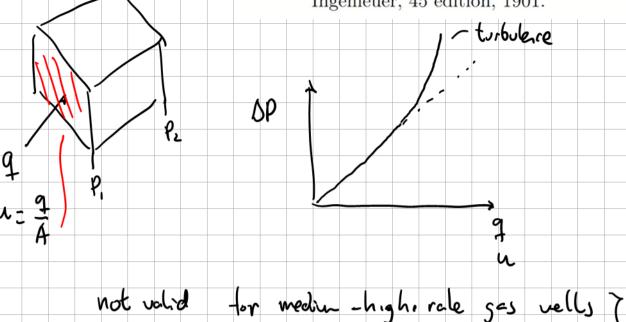
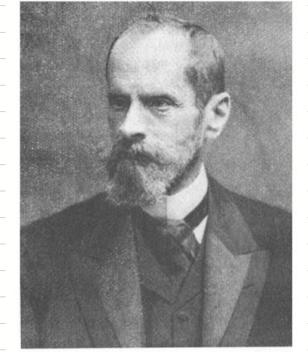
Oil and gas production wells

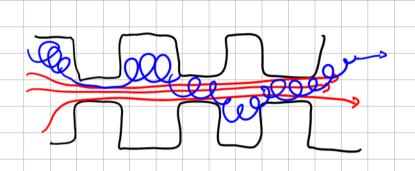
Video 16: high velocity flow for dry gas IPR

[19] P. Forchheimer. Wasserbewegung durch Boden. Zeitschrift des Vereines Deutscher Ingenieuer, 45 edition, 1901.





Professor Philipp Forchheimer.

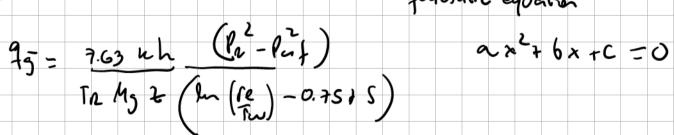


high rale sat orl

Use of Short Term Multiple Rate Flow Tests To Predict Performance of Wells Having Turbulence

Lloyd G. Jones and E. M. Blount, Mobil Research and Development Corp., and O. H. Glaze, Mobil Oil Corp., Members SPE-AIME

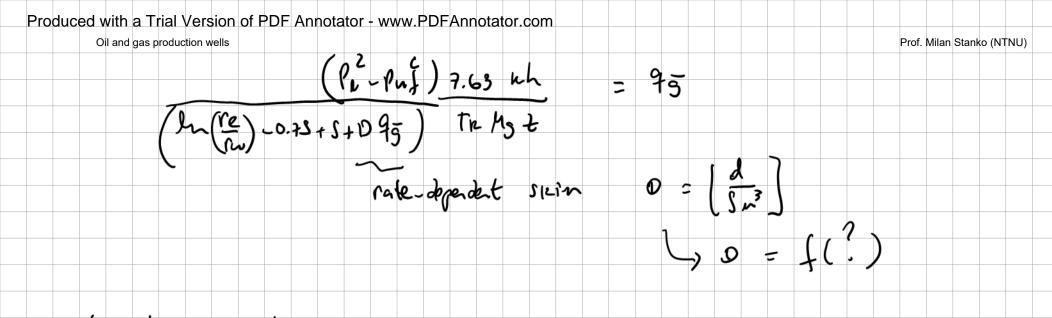
LP dry gas wells



(P2-Pa)) = Te M3 2 (le (re)-0.75+5) 95] + B 95 7.65 wh [le (re)-0.75+5) 95] + B 95 Pate depodet smin

(P2-Pu)) 2.63 wh
Th M3 2 = (le Ne -0.75 TS) 95 + D 95

Puf



alternative approach

$$C = \frac{(7.63 \text{ } kh)^n}{(T\mu_g Z)^n D^{1-n} [\ln(r_e/r_{\kappa}) - 0.75 + s]^{2n-1}}.$$

$$C = \frac{(7.63 \text{ } kh)^n}{T^n D^{1-n} [\ln(r_e/r_w) - 0.75 + s]^{2n-1}}.$$