PPG

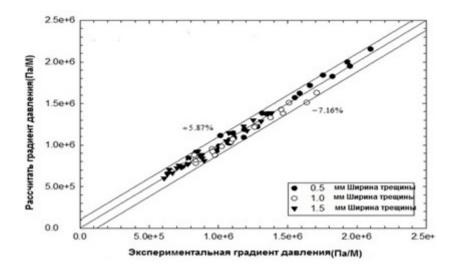
NEW MODEL TO DETERMINE THE PRESSURE GRADIENT OF PELLETIZED GEL PPG IN THE ANTHROPOGENIC FRACTURE

C. K. S. K. Sokhoshko, G. H. Ali Key words: oil fields; anthropogenic fractures; pressure gradient; pelletized gel $\tau=k\gamma^n\ ,$ (1) n K 1. $\tau = k \left(\frac{\partial v}{\partial r}\right)^n.$ (2) $\tau = \left(\frac{P_O - P_L}{L}\right) X,$ (3) , $P_O P_L$ L -

 $k\left(\frac{\partial v}{\partial r}\right)^n = \left(\frac{P_O - P_L}{L}\right) X$. (4) $v = \left(\frac{P_O - P_L}{KL}\right)^{\frac{1}{n}} \frac{n}{n+1} \left(\frac{w}{2}\right)^{\frac{n+1}{n}} \left[\left(\frac{2X}{W}\right)^{\frac{n+1}{n}} - 1\right],$ (5) $q = \left(\frac{P_O - P_L}{KL}\right)^{\frac{1}{n}} \frac{n}{2} \left(\frac{n}{2n+1}\right) W^{\frac{2n+1}{n}}.$ (6) $\frac{dp}{dl} = (2K) \left(\frac{2n+1}{n}\right)^n \left(\frac{2q}{h}\right)^n \frac{1}{W^{2n+1}}.$ (7) K PPG (1), $\frac{dp}{dl} = ak_a^b \left(\frac{2n_a+1}{n_a}\right)^{cn_a} \left(\frac{2q}{h}\right)^{dn_a} \left(\frac{1}{W^{2n_a+1}}\right)^e.$ $\frac{dp}{dl} = 39210k_a^{-0.0845} \left(\frac{2n_a+1}{n_a}\right)^{12,306n_a} \left(\frac{2q}{h}\right)^{1,442n_a} \left(\frac{1}{W^{2n_a+1}}\right)^{0.257}. \quad (11)$

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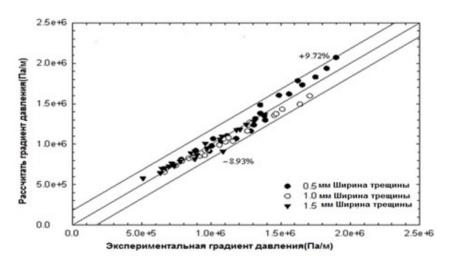
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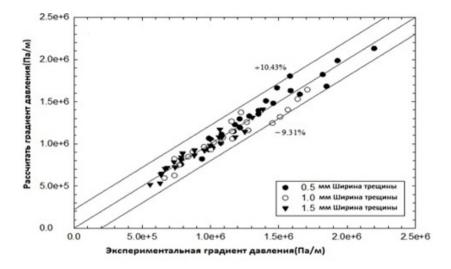
(12) 80 .(.2)

$$\frac{dp}{dl} = 32154k_a^{-0,0942} \left(\frac{2n_a+1}{n_a}\right)^{13,475n_a} \left(\frac{2q}{h}\right)^{1,526n_a} \left(\frac{1}{W^{2n_a+1}}\right)^{0,253}.$$
 (12)



. 2. **80** . (13) 40 . (. . 3)

$$\frac{dp}{dl} = 26303k_a^{-0.195} \left(\frac{2n_a+1}{n_a}\right)^{14,105n_a} \left(\frac{2q}{h}\right)^{1,464n_a} \left(\frac{1}{W^{2n_a+1}}\right)^{0.246}.$$
 (13)



, PPG

5 %.

. 3.

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