Shell

Oil and gas production wells

$$q_{\bar{0}} = \frac{1 + h}{(h_0 \beta_0)_{av} \left(h_1 \left(\frac{r_e}{r_v} \right) - o. \leq \right) \cdot 11.68}$$

$$(h_0 \beta_0)_{av} \left(h_1 \left(\frac{r_e}{r_v} \right) - o. \leq \right) \cdot 11.68$$

pseudo steady-state pss Ore -> no-tour boundary

for
$$p(s)$$
 rat which $p = p_e$ $r = 0.47 re$

$$ln \left(0.47 re\right) = ln \left(\frac{r_e}{G}\right) - 0.75$$

Skin factor 1953 -> Hurst

L) Anlands van Everdingen (Outch ming eigneer)



THE SKIN EFFECT AND ITS INFLUENCE ON THE PRODUCTIVE CAPACITY OF A WELL

A. F. VAN EVERDINGEN, SHELL OIL CO., HOUSTON, TEXAS, MEMBER AIME

to Rail

Prof. Milan Stanko (NTNU)

Other definitions "equivalent" to sum

1 5 > 0 ~> danage (less than ideal) (Puf'-Puf) >0

Oil and gas production wells

o Dannage area shape

-) 1965

Oniel Octa

Determination of Average Reservoir Pressure From Build-Up Surveys

D. N. DIETZ MEMBER AIME

KONINKLIJKE/SHELL LABORATORIUM RIJSWIJK, THE NETHERLANDS



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(ſω)								,

shape - area SKIN

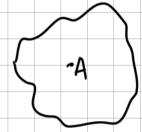


Table 2.4 Shape Factors for Nonradial Outer Boundary Geometries

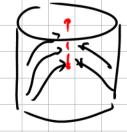
Geometry	C_A	SA	Inneis	IDAPA
\odot	31.62	0.000	0.1	0.1
	30.88	0.012	0.09	0.1
\odot	31.60	0.000	0.1	0.1
\triangle	27.6	0.068	0.09	0.2
60°	27.1	0.077	0.09	0.2
1/3	21.9	0.184	0.08	0.4
2 1	21.84	0.185	0.025	0.3

- well fetormace (2nd ed. ha)

Colan, Whitson

. othe oses than an be modeled (represented) with sun · tomation danage (he to dr.llng) 0 < 2

o partial peretration



KV ((Ky

0(2

