





Example: 5  $S_N$  at D=X450 ft A=1, M=2, N=2  $R_W=0.03$   $\Omega.M$  @ D=5550 ft  $T_S=60$  °F  $T_{BH}=116$  °F @  $D_{BH}=5647$  ft

T@ 5450 ft = 114.5°F  $R_{t} = R_{w} \frac{\alpha}{\phi^{m} S_{N}} \rightarrow S_{w} = 27/.$ 0.145

T@5550 ++ = 115.5°F

How to est Rw?

$$R_{t} = Rw \frac{a_{m}S_{w}}{a_{m}S_{w}}$$

$$R_{t} = Rw \frac{a_{m}}{a_{m}S_{w}}$$

$$S_{w} = 100$$

$$R_{t} = Rw \frac{a_{m}S_{w}}{a_{m}S_{w}}$$

$$R_{t} = Rw \frac{a_{m}S_{w}}{a_{m}S_{w}}$$

$$R_{t} = Rw \frac{a_{m}S_{w}}{a_{m}S_{w}}$$

$$\log R_{+} = \log R_{w} + \log a - m \log \Phi$$

$$Y = A - m X$$

3

Log p

Rw 2 m

WBM Sw Rshallow =  $R_{mp} = \frac{a}{4^m S_{x0}}$ RDeep = RW am Sw - $S_{h,movable} = (I - S_{W}) - (I - S_{Xo})$   $= S_{Xo} - S_{W}$