



WELL NANNYGAI NO. 1  
 COMPANY ESSO AUSTRALIA LTD.  
 COUNTY GIPPSLAND BASIN  
 STATE VICTORIA

DEPT. NAT. RES & ENV  
 PE603557

$$"d" = \frac{\text{Log} \left[ \frac{R}{60 N} \right]}{\text{Log} \left[ \frac{12 W}{10^6 D} \right]}$$

$$K_f = \frac{R \times 10^5}{W/D \times N}$$

R = PENETRATION RATE, FT/HR  
 N = ROTARY SPEED, RPM  
 W = WEIGHT ON BIT, LBS.  
 D = DIAMETER OF BIT, INCHES

