

CTEMP

Circulating Temperature Modeling

In circulating wells, the geothermal temperatures encountered can cause problems with drilling fluids, drill pipe, and casing. To evaluate the effects of these high temperatures on the drill pipe and casing, it is necessary to know the temperature distributions in these pipe strings.

CTEMP combines techniques from a number of different engineering disciplines, and predicts wellbore temperatures. Given a well configuration, CTEMP calculates the temperature distribution in the wellbore by using numerical methods for different operation circumstances.

- Land and offshore well
- 15 flow paths
- Directional well with survey data
- 10 formations layers
- Cased holes, open holes, up to 20 drill pipes and inner strings
- Pumping schedule
- Temperature drop at the surface tank
- Influence of wind speed and sea current
- Temperature profiles
- Temperature at point of interest vs. time
- Animation
- US oil, metric or customized units
- Automatic generation of report

