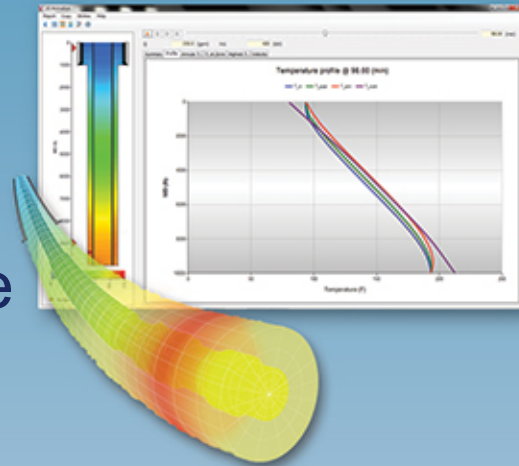


# CTEMP

## Circulation Temperature



As the search for petroleum resources become more extreme in terms of depth, pressure, and temperature (HPHT drilling), wellbore circulating temperature prediction becomes a very crucial process. It has implications for flow assurance (wax, hydrates and viscosity), stress analysis, drilling tool temperature tolerance, completion fluid density, cementing, and other variables. Predicting circulating temperature in deepwater wells is further complicated by the presence of risers and choke/kill/boost lines.

Pegasus Vertex, Inc. (PVI) is leading the way with CTEMP, software that predicts wellbore circulating temperature for drilling/circulating operations. CTEMP addresses the transient heat transfer between wellbore and sea water/rock formation. Its interactive on-screen graphic results provide operation guidelines for expensive HPHT drilling operations.



# CTEMP – Circulation Temperature

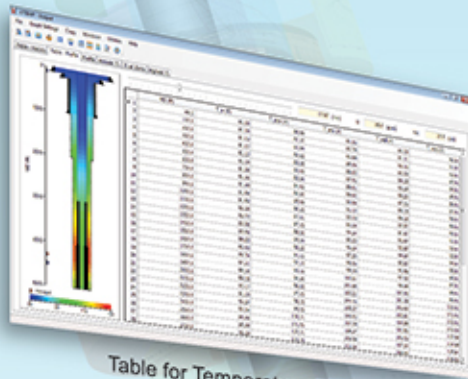
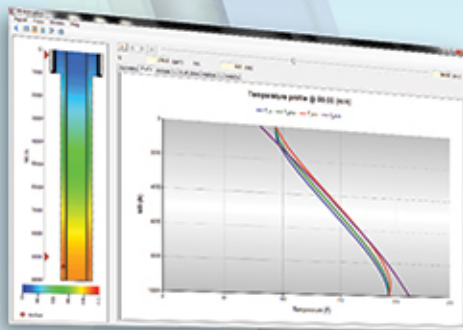
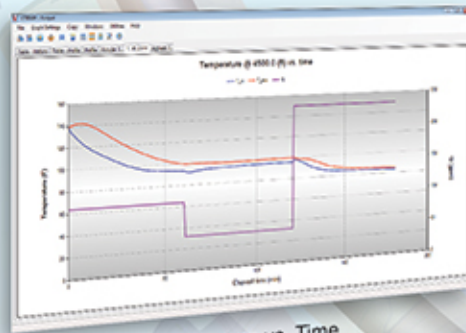


Table for Temperature Profile



Temperature Profile



Temperature vs. Time

## Features

- Transient heat transfer model
- Land and offshore wells
- 15 flow paths
- Directional well with survey data
- Formation layers
- Multiple cased, open holes and pipes
- Pumping schedule
- Cooling effects of the tank
- Influence of wind speed and sea current
- Temperature profiles
- Animation
- Microsoft Word® report
- US oil field, SI and customized units

## System Requirements

- Microsoft Windows® 10
- Microsoft Windows® 8/8.1
- Microsoft Windows® 7
- Microsoft Office® 2010 or later
- Pentium or AMD processor, 1 GHz or faster
- 2 GB RAM (4 GB recommended)
- 200 MB of free disk space for installation
- 1,280 x 768 display resolution with true color
- Install from download link or CD



Report