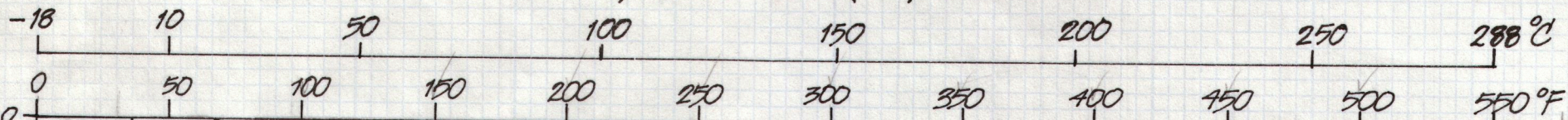
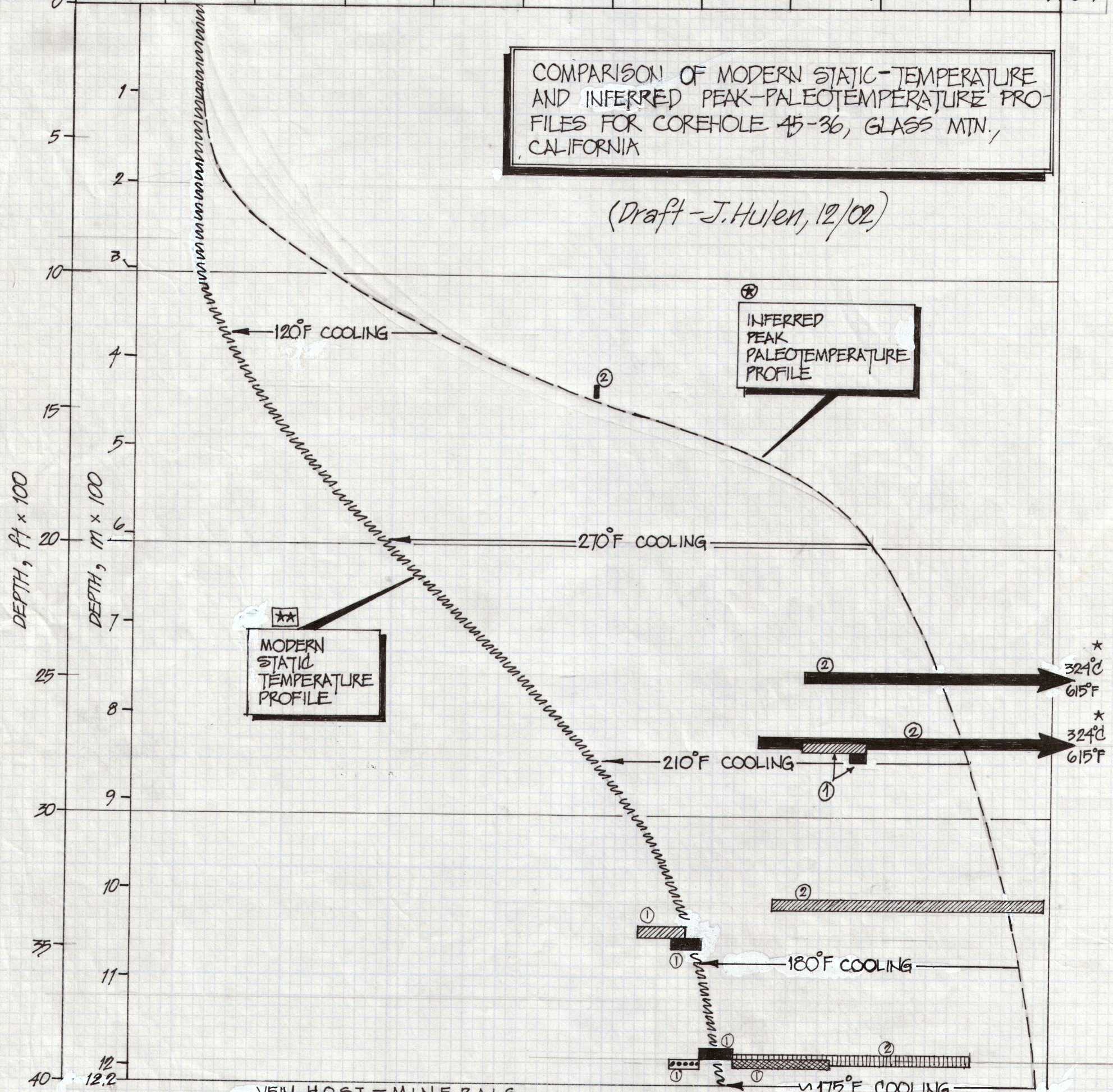


TEMPERATURE



COMPARISON OF MODERN STATIC-TEMPERATURE AND INFERRED PEAK-PALEOTEMPERATURE PROFILES FOR COREHOLE 45-36, GLASS MTN., CALIFORNIA

(Draft - J. Hulén, 12/02)



MODERN STATIC TEMPERATURE PROFILE

INFERRED PEAK PALEOTEMPERATURE PROFILE

VEIN HOST-MINERALS
 Wairakite
 Quartz
 Calcite
 "Calcium zeolite" (probably laumontite)
 Prehnite

FLUID-INCLUSION HOMOGENIZATION-TEMPERATURE RANGES
 ① From Carrier, 1987; data by T.J. Reynolds
 ② Bargar and Keith, 1999

Carrier, 1989

* UNREALISTICALLY HIGH IN VIEW OF ASSOCIATED SECONDARY-MINERAL ASSEMBLAGE (CLINOPYROXENE, BIOTITE, & GARNET ABSENT).

⊙ Based on minimum formation temperatures of heulandite (140°F/60°C), wairakite (374°F/190°C), and actinolite (536°F/280°C). Ref.: Bargar and Keith, 1999, and/or sources cited therein. Margin of error estimated to be ± 18°F (± 10°C).