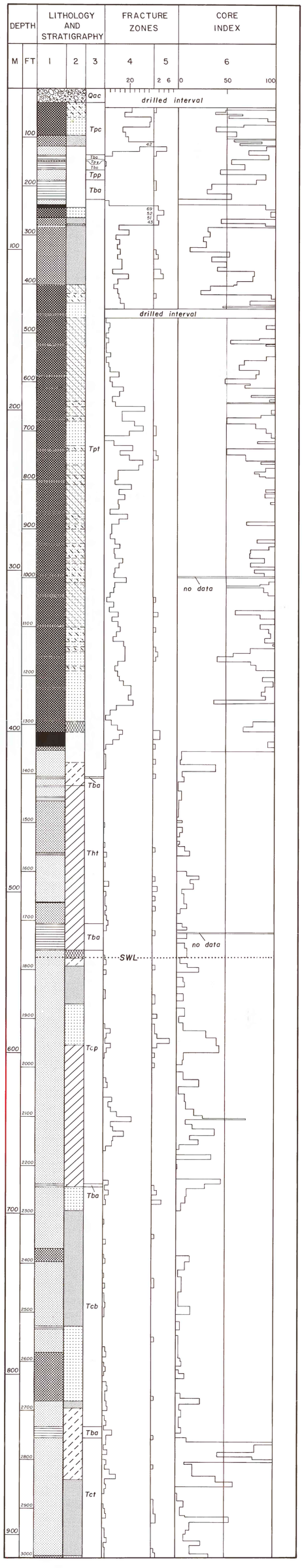
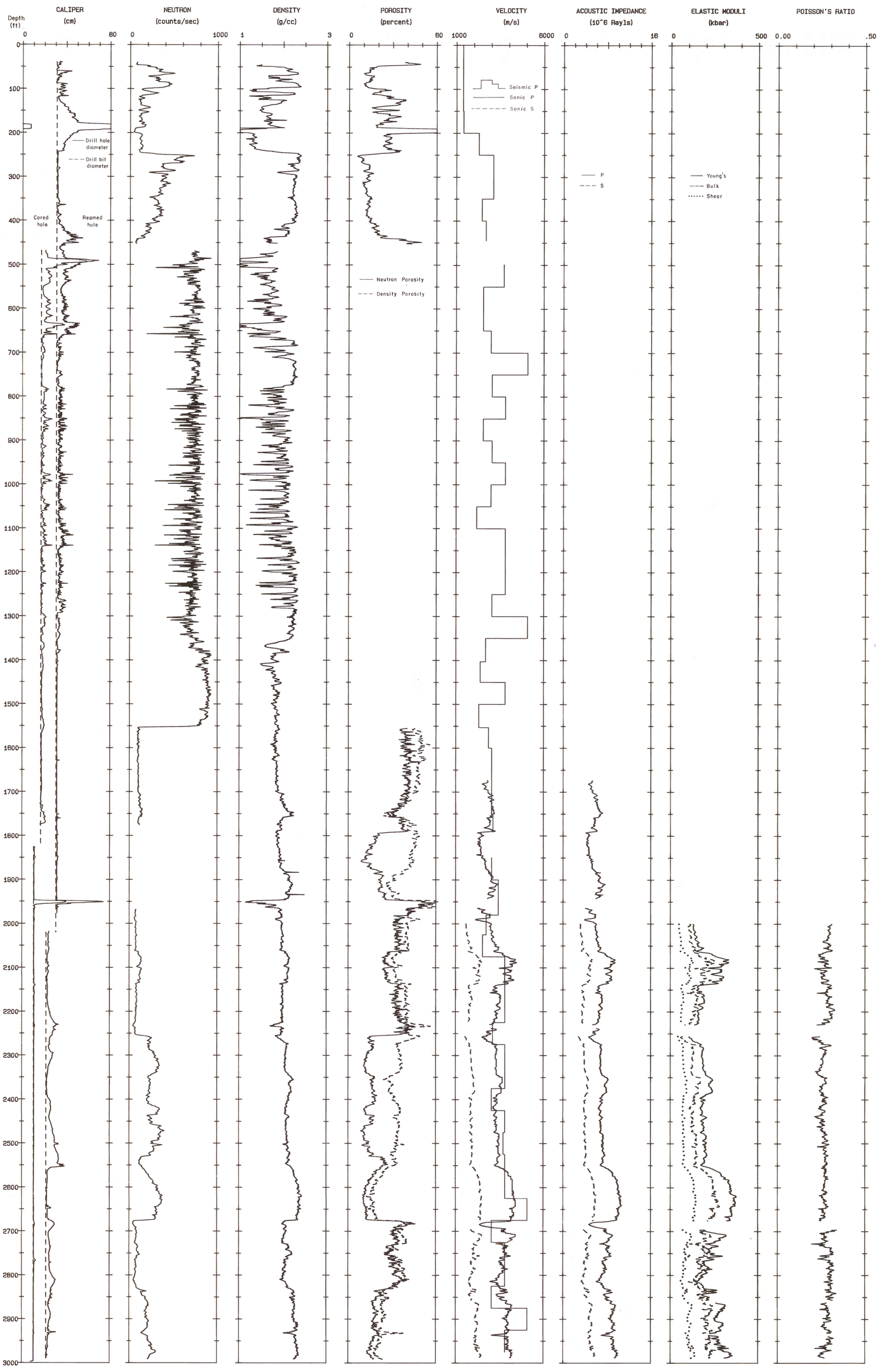
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Prepared on behalf of the U.S. Department of Energy

OPEN-FILE REPORT
84-789
PLATE 1
Sheet 1 of 2





EXPLANATION

LITHOLOGY AND STRATIGRAPHY

(1) Welded and bedded zones

Densely welded | Moderately welded | Non- to partially welded | Vitrophyre | Bedded | Alluvium

(2) Crystallized and altered zones

Vitric | Vapor phase | Devitrified | Sparse / Abundant Lithophysal (devitrified)

Devitrified (slightly argillic) | Zeolitized and argillic | Slightly argillic | Zeolitized upper--slightly lower--moderately

(3) Stratigraphic units -

Alluvium----------Qac
Paintbrush Tuff
  Tiva Canyon Member----------Tpc
  Bedded tuff----------Tba
  Yucca Mountain Member----------Tpy
  Bedded tuff----------Tba
  Pah Canyon Member----------Tpp
  Bedded tuff----------Tba
  Topopah Spring Member----------Tpt
  Bedded tuff----------Tba

Rhyolite lavas and tuff of Calico Hills
  Tuffaceous beds of Calico Hills--Tht

Crater Flat Tuff
  Prow Pass Member----------Tcp
  Bedded tuff----------Tba
  Bullfrog Member----------Tcb
  Bedded tuff----------Tba
  Tram Member----------Tct
  Bedded tuff----------Tba

FRACTURE ZONES
(4) Joints

0 20

Number of measured joint planes per 10-foot interval

(5) Shear fractures

0 6

Number of fracture planes per 10-foot interval along which differential movement was recognized

CORE INDEX

Core index $= \frac{(\text{ft broken}) + (\text{ft core loss}) + (1/3\ \text{joints})}{(\text{drilled interval, ft})} \times 100$

SWL - Approximate static water level

Graphic log showing lithologic, structural, and geophysical features of USW G-4