

EXPLANATION

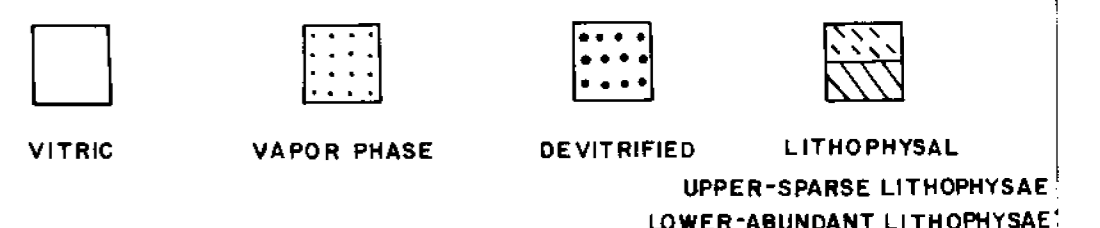
LITHOLOGY AND STRATIGRAPHY

(I) WELDING ZONES AND BEDDED INTERVALS



--- INDICATES GRADATIONAL CONTACT

(II) CRYSTALLIZED AND ALTERED ZONES



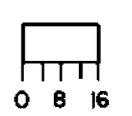
--- INDICATES GRADATIONAL CONTACT

(III) STRATIGRAPHIC UNITS

ALLUVIUM AND COLLUVIUM	Qoc
TIVA CANYON MEMBER OF PAINTBRUSH TUFF	Tpc
TOPOPAH SPRING MEMBER OF PAINTBRUSH TUFF	Tpt
TUFFACEOUS BEDS OF CALICO HILLS	Tcb
PROW PASS MEMBER OF CRATER FLAT TUFF	Tcfc
BULLFROG MEMBER OF CRATER FLAT TUFF	Tcfa

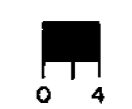
FRACTURE ZONES

(IV) JOINTS



NUMBER OF MEASURED JOINT PLANES PER 10-FOOT INTERVAL

(V) FAULTS



NUMBER OF FRACTURE PLANES PER 10-FOOT INTERVAL ALONG WHICH DIFFERENTIAL MOVEMENT WAS RECOGNIZED



HIGHLY GRANULATED AND BRECCIATED INTERVALS ASSOCIATED WITH FAULTING

F1-F5 FAULT ZONES

$$\text{CORE INDEX} = \frac{(\text{FT BROKEN}) + (\text{FT CORE LOSS}) + (\frac{1}{2} \text{ JOINTS})}{(\text{DRILLED INTERVAL} \cdot \text{FT})} \times 100$$

SWL STATIC WATER LEVEL

* INDICATES INTERVAL WHERE HOLE CONDITIONS RESTRICTED GEOPHYSICAL LOG COVERAGE

L GEOPHYSICAL LOGS RUN BY BIRDWELL DIVISION OF SEISMOGRAPH SERVICE CORPORATION

GRAPHIC LOG SHOWING LITHOLOGIC, STRUCTURAL, AND GEOPHYSICAL FEATURES OF UE25a-1, YUCCA MOUNTAIN, NEVADA TEST SITE