



TD=1533.4 m

EXPLANATION

LITHOLOGY AND STRATIGRAPHY

- (1) WELDED AND BEDDED ZONES:
 N=Nonwelded, NP= Nonwelded to partially welded, P=Partially welded, PM=Partially to moderately welded, M=Moderately welded, MD=Moderately to densely welded, D=Densely welded, V=Vitrophyre, B=Bedded, D/V=Partially vitric; NPM = Nonwelded to partially welded to moderately welded
- (2) SECONDARY CHARACTER OF ROCK:
 A. Crystallinity: V= Vitric, D=Devitric
 B. Alteration: A=Clay, Z=Zeolites, C=Calcite, S=Sulfides
 Underlined = common to abundant, unadorned=sparse; See Tables 4 & 5 for quantities
 C. Lithophysal Development: L=sparse (1-5% of rock); L = common and abundant (>5% of rock); blank = < 1% of rock
 D. Vapor Phase: VP= Vapor Phase present
- (3) STRATIGRAPHIC UNITS:
 Tpc = Tiva Canyon Member of the Paintbrush Tuff
 bt = Bedded tuff
 Tpt = Topopah Spring Member of the Paintbrush Tuff
 bt = Bedded tuff
 Tht = Tuff of Calico Hills
 bt = Bedded tuff
 Tcp = Prow Pass Member of the Crater Flat Tuff
 bt = Bedded tuff
 Tcb = Bullfrog Member of the Crater Flat Tuff
 bt = Bedded tuff
 Tct = Tram Member of the Crater Flat Tuff
 bt = Bedded tuff
 Tlr = Lithic Ridge Tuff
 bt = Bedded tuff
 Tt = Older tuffs

STRUCTURES AND BREAKS

- (4) FRACTURE DENSITY:
 Scale gives number of natural fractures in a 3.05-m (10-ft) interval. Compiled by Mayra Castellanos
- (5) FAULT DENSITY: Scale gives number of faults in a 3.05-m (10-ft) interval. Cross hatched=slickensides; open=breccia, mylonite or gouge. Compiled by Mayra Castellanos.
- (6) CORE INDEX: Measure of breaks in core as response to drilling

$$\text{Core Index} = \frac{(m \text{ broken} + m \text{ lost} + \frac{1}{10} \text{ open fractures})}{m \text{ drilled}} \times 10^2$$
 Compiled by Fenix & Scisson geologists
 *Offset in coring records at GU-3 and G-3. Contact occurs at 803.76 m in GU-3 and at 800.21 m in G-3
 **SWL= Static Water Level. Projected from USW H-3; USW GU-3 and USW G-3 water level still recovers from drilling disturbances. No correction has been made for the density of fractures or faults relative to the inclination of the core axis.

Depths represent drilled depths. No correction for drill hole deviation is given. Refer to tables 8, 9, and 10 for such corrections.