DRILL HOLE DATA UE 25a-6

DEPTH IN METERS	STRATIGRAPHIC UNIT	LITHOLOGIC DESCRIPTION
0	ALLUVIUM	QUARTERNARY ALLUVIUM AND COLLUVIUM
	TIVA CANYON MEMBER	TUFF, ASH-FLOW, LIGHT GRAY TO PALE RED, DEVITRIFIED, DENSLY WELDED; PUMICE, LIGHT GRAY AND PALE RED, DEVITRIFIED, < 1% PHENOCRYSTS
		TUFF, ASH-FLOW, PALE-RED, MODERATELY WELDED, DEVITRIFIED; PUMICE LIGHT GRAY AND PALE RED VAPOR PHASE, UP TO 8 CM, 1-3% PHENOCRYSTS
		TUFF, ASH-FLOW, PALE-RED, DENSELY WELDED, DEVITRIFIED; PUMICE, PALE-RED & LIGHT GRAY, DEVITRIFIED, 2mm-2cm, 1-2% PHENOCRYSTS
		TUFF, ASH-FLOW, PALE-RED TO GRAYISH-RED, PARTIALLY TO MOD. WELDED, DEVITRIFIED; PUMICE, GRAYISH-RED AND MOD. TO REDDISH ORANGE, 5mm-3cm, 1-2% ALTERED TO MODERATE, RED-ORANGE CLAY; <1% PHENOCRYSTS, SPARSE, PALE-RED, VOLCANIC LITHIC FRAGMENTS
	BEDDED TUFF	TUFF, ASH-FLOW, PALE-RED TO MODERATE-BROWN AND MODERATE YELLOW-BRN., NONWELDED TO PARTIALLY WELDED, VITRIC; PUMICE, GRAY-RED, ARGILLITE 2-10 mm; 1-2% PHENOCRYSTS, ABUNDANT GLASS SHARDS
	YUCCA MTN. MEMBER	TUFF, BEDDED/REWORKED, PALE-YELLOW-BRN., POORLY CONSOLIDATED (FRIABLE), MODERATELY ARGILLIC, POORLY BEDDED, SPARSE, VOLCANIC LITHIC FRAG'S
50		TUFF, ASH-FLOW, GRAY-ORANGE AND YELLOW-GRAY, NONWELDED VITRIC; PUMICE, VITRIC, 1-4mm, < 1% PHENOCRYSTS, ABUNDANT GLASS SHARDS
	BEDDED TUFF	TUFF, BEDDED/REWORKED, LIGHT GRAY, UNCONSOLIDATED, POORLY BEDDED, VITRIC; MIXTURE OF VOLCANIC FRAG'S AND VITRIC PUMICE, SOME SAND SIZED GRANULES, VOLCANIC LITHIC FRAG'S, LOWER 1M CONTAINS CONSPICUOUS BRONZE BIOTITE
	PAH CANYON	TUFF, ASH-FLOW, GRAY-ORANGE, NONWELDED; PUMICE, WHITE AND YELLOW-GRAY, VITRIC, 2-8mm, 2-4% PHENOCRYSTS, SOME GLASS SHARDS, SPARSE VOLCANIC LITHIC FRAG'S
	BEDDED TUFF	TUFF, BEDDED/REWORKED, GRAY-ORANGE, UNCONSOLIDATED, ABUND. SUBROUNDED VOLCANIC LITHIC FRAG'S; SOME WHITE TO LIGHT GRAY AND MODERATE PINK, VITRIC PUMICE (CORE LOST FROM 208.1 TO 227.0 ft)
	TOPOPAH SPRINGS MEMBER	TUFF, ASH-FLOW, NON TO PARTIALLY WELDED, VITRIC, LOWER 1.5 M VITROPHYRE, ABUNDANT PHENOCRYSTS (QUARTZ, FELDSPAR, BRONZE BIOTITE), ABUNDANT GLASS SHARDS & VOLCANIC LITHIC FRAG'S
		TUFF, ASH-FLOW, GRAY-RED, DENSELY WELDED, DEVITRIFIED; PUMICE MODERATE PINK AND GRAY-RED, DEVITRIFIED, 1mm-1CM 15-20% PHENOCRYSTS (CONSPICUOUS BIOTITE) (QUARTZ LATITIC CAPROCK)
100		TUFF, ASH-FLOW, PALE-RED, DENSELY WELDED, DEVITRIFIED; PUMICE, PALE-RED AND VERY LIGHT GRAY, DEVITRIFIED (SOME VAPOR PHASE), 2mm-9cm; 5-7% PHENOCRYSTS.
150		TUFF, ASH-FLOW, LIGHT BROWNISH-GRAY TO VERY LIGHT GRAY, DENSELY WELDED, DEVITRIFIED; PUMICE, VERY LIGHT GRAY AND GRAYISH-RED, DEVITRIFIED, 2 mm-7cm, CONTAINS ABUNDANT LITHOPHYSAE, VERY LIGHT GRAY, 1-6 cm IN DIAMETER, LINES WITH QUARTZ AND FELDSPAR.

TOTAL DEPTH
152.4 m
(500 ft)

WWL # 174

GENERAL NOTES DRILL HOLE UE25a-6 (WWL# 174 & 114)

* FLUID LEVEL COULD NOT BE MAINTAINED TO GROUND SURFACE DURING DRILLING
* AVE BULK DENSITY COMPUTED FROM GEOPHYSICAL WELL LOGS FOR THE LOGGED INTERVAL BELOW THE UPPER TOPOPAH SPRINGS VITROPHYRE = 2.13
* GEOPHYSICAL LOGS RUN ON UE25a-6:
  - RESISTIVITY
  - DENSITY
  - NEUTRON
  - GAMMA RAY
  - INDUCED POLARIZATION
  - MAGNETIC SUSCEPTIBILITY
* THE LITHOPHYSAL ZONE LOCATED NEAR THE BOTTOM OF DRILL HOLE UE25a-6 SHOWS A VERY LOW NEUTRON COUNT WHICH INDICATES THAT THE CAVITIES IN THIS ZONE PROBABLY ARE INTERCONNECTED (WWL#114 pg 18)

D-06