

PRELIMINARY
LITHOLOGIC LOG

Project: Topaz

Hole: 1198-128

Elevation: 4940'

Date Drilled: 2/28/82

Location: NE 1/4 SE 1/4 ~~32~~¹⁷, T13S, R12W

Method: rotary air - mud

Geologist: Avery - Deymonaz

Gamma: N/A

Depth (m)	Description
0- 23	<u>Sand & Gravel</u> - Subrounded gravels of rhyolite and minor limestone in a sand to sandy-clay matrix. Dry.
23- 76	<u>Rhyolite (Tsp)</u> - Pink to gray, hard to moderately hard, porphyritic fractured and altered. 5-15% phenocrysts of quartz, plagioclase, sanidine with rare biotite, magnetite and hornblende.
76-230	<u>Tuffs</u> - Tan to med. brown, dry to 160m. Some interbedded latitic flow rocks, possibly Tdr. 2-5% crystals of quartz and plagioclase, altered mostly to clays. Flow of water increased to approximately 20 gpm at 230m.
230-245	<u>Clay</u> - Brick red clay with dk. gray dolomite fragments.
245-250	<u>Dolomite</u> - Dark to medium-gray, hard, dense, fractured, water flow increased to 40-60 gpm.
250-256	<u>Clay</u> - Red clay and dolomite as in 230-245m interval.
256-459	<u>Dolomite</u> - Dark gray, hard, fractured changed to mud at 280m and had l.c. problems below that depth; very poor returns. Rock in this interval appears to be dolomites with minor cherts, silicic siltstones and quartzites.