

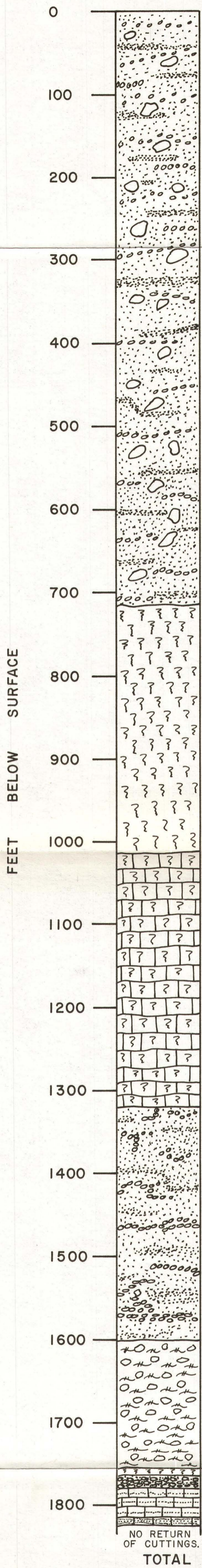
QUATERNARY

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GL01159-10013

COLLAR ELEVATION = 4550'



0-715' = INTERBEDDED ALLUVIAL FAN AND LACUSTRINE DEPOSITS-COMPOSED OF GRAVEL, SAND, AND SILT WITH OCCASIONAL BOULDERS; LITHOLOGY MAINLY LIMESTONE WITH SOME QUARTZITE, ARGILLITE, QUARTZ AND CHERT; OVERALL COLOR CHANGES FROM LIGHT GRAY TO REDDISH BROWN AT 515'.

715'-1320' = HOT SPRING DEPOSITS WITH SOME THIN INTERBEDS OF ALLUVIUM; 715'-1015' = MAINLY LIGHT GRAY TO GREENISH GRAY SILICEOUS SINTER WITH SOME WHITE TO LIGHT GRAY CALCAREOUS SINTER AND SOME SILICIFIED DETRITAL MATERIAL; 1015'-1320' = MAINLY OLIVE-GRAY, GREENISH-GRAY AND REDDISH-BROWN TRAVERTINE WITH SOME SILICEOUS SINTER AS ABOVE; PYRITE UBIQUITOUS WITHIN THE SILICEOUS SINTER BUT CONSPICUOUSLY ABSENT FROM THE TRAVERTINE.

1320'-1600' = INTERBEDDED ALLUVIAL FAN AND LACUSTRINE DEPOSITS-COMPOSED MAINLY OF GRAVEL AND SAND IN A REDDISH-BROWN SILTY MATRIX.

1600'-1755' = VOLCANIC DEBRIS FLOW-COMPOSED MAINLY OF ALTERED REDDISH-BROWN PORPHYRITIC BASALT PEBBLES WITH FINE TO MEDIUM-GRAINED SUBHEDRAL TO EUHEDRAL PLAGIOCLASE PHENOCRYSTS AND OCCASIONAL FINE-GRAINED MAFIC PHENOCRYSTS IN AN APHANITIC GROUNDMASS; MINOR TUFF IN VARIOUS COLORS OCCURS MAINLY IN THE 1695'-1735' INTERVAL.

1755'-1765' = HOT SPRINGS DEPOSITS COMPOSED OF WHITE TO LIGHT GRAY SILICEOUS SINTER WITH PYRITE.
1765'-1780' = ALLUVIAL DEPOSITS-COMPOSED MAINLY OF GRAVEL.

1780'-1815' = LIMESTONE-LIGHT TO DARK GRAY, PARTLY SILICEOUS, WITH SOME SOLUTION CAVITIES.
1815'-1823' = SILICIFIED LIMESTONE; FOSSILIFEROUS WITH ABUNDANT PYRITE, SOLUTION CAVITIES AND FINE-GRAINED QUARTZ CRYSTALS WITHIN THE CAVITIES.

LITHOLOGIC LOG OF CAMPBELL E-1

LOCATION: 830' WEST OF THE EAST LINE AND 342' NORTH OF THE SOUTH LINE OF SECTION 21, T.31 N., R.33 E., PERSHING COUNTY, NEVADA.

DATE STARTED: NOVEMBER 3, 1977

DATE COMPLETED: DECEMBER 9, 1977