



**PDHonline Course C336 (3 PDH)**

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# **Guidelines for Geotechnical Reports**

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# Geotechnical Report Guidelines

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## Terms

Auger Flights	Sections of augers which are added to top of coring auger to reduce jamming in the borehole during retraction from deep drives
Casing	Pipe used to line and stabilize the borehole
Drill Cuttings	Waste generated during oil well drilling which consist of soil and rock pieces
Drill Strings	Sections of drill pipe connected together with collars
GTR	Geotechnical Report - a preliminary (data) report or a final (P & S and design) report or a combination of the two reports
Mud Pits	Store drilling fluid until needed and allow sand and silt to settle before reuse for drilling
PI	Plasticity Index $PI = \text{Liquid Limit (LL)} - \text{Plastic Limit (PL)}$
RQD	Rock Quality Designation – percentage of the sum of all pieces of sound core (over 100mm in length) divided by the total length of core run
Rotary Wash	Boring method used below groundwater levels, the borehole sides are supported with casing or drilling mud
Shale Shakers	Shaker/sieve used to separate coarse material from drilling mud.
Slake	Rocks which crumble when freshly exposed to air, water slaking also occurs
SPT	Standard Penetration Test – measures the number of blows to drive a split-barrel sampler a certain distance
Uniaxial Test	An axial compression force without lateral confinement