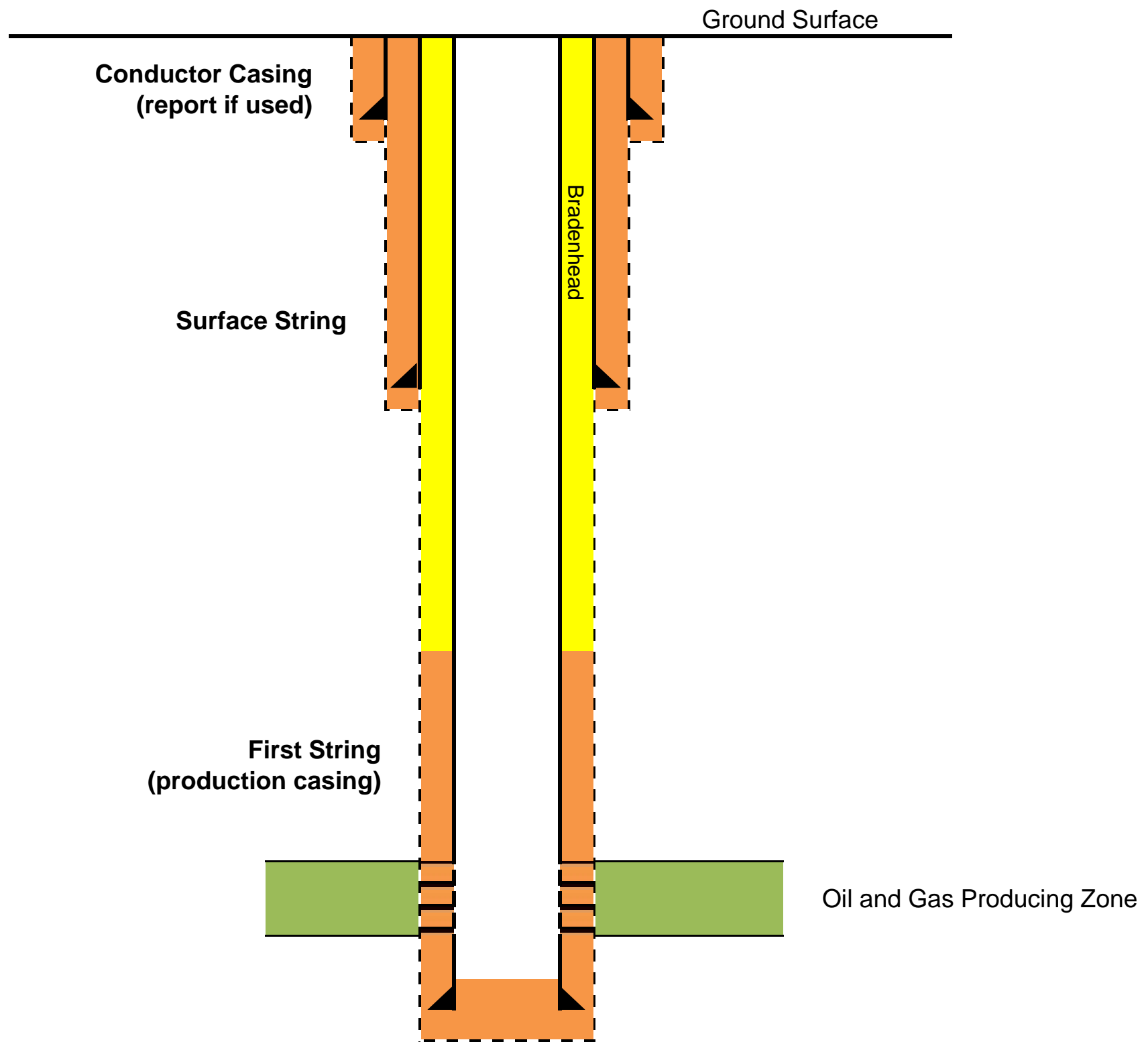
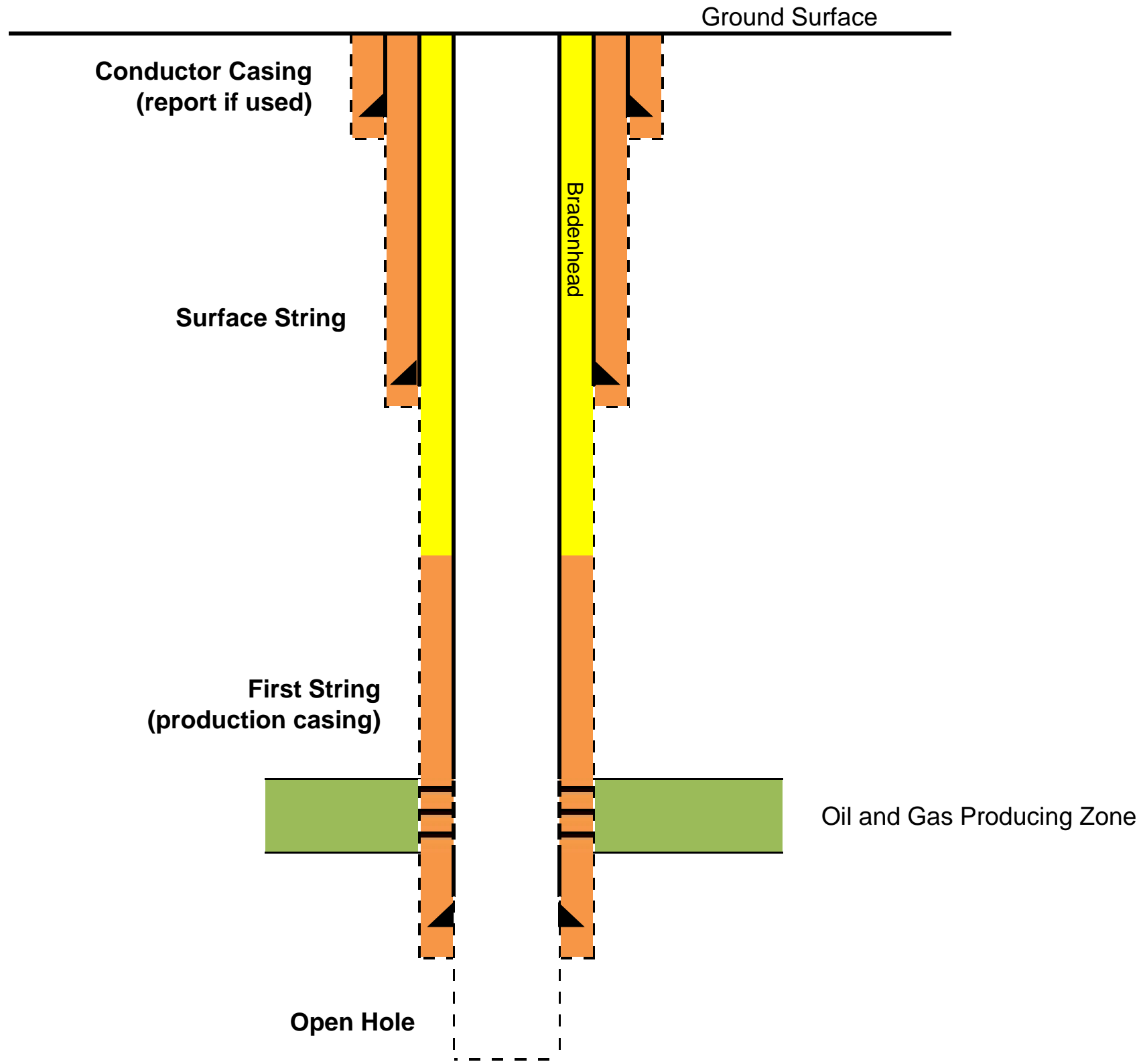


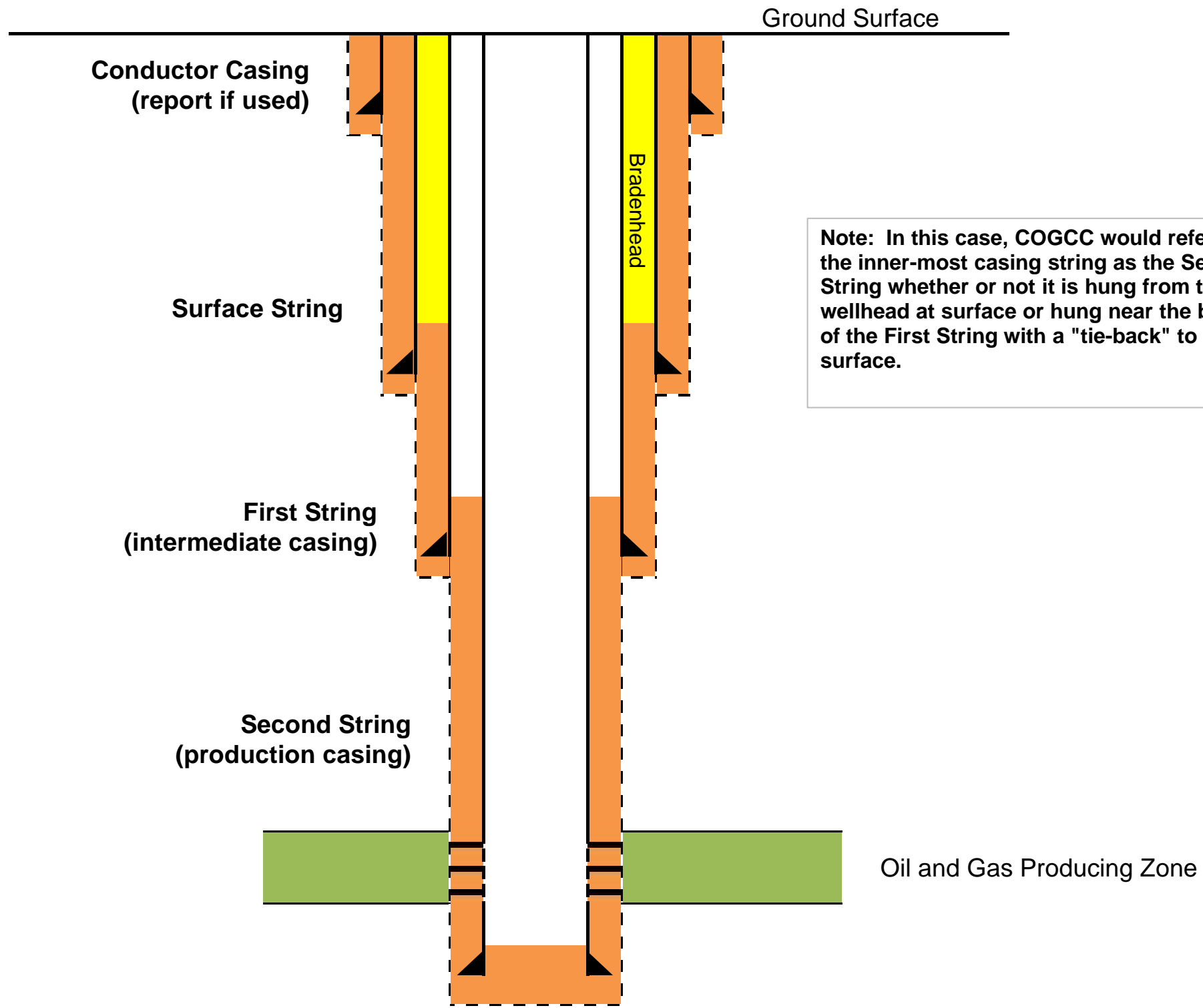
**COGCC CASING AND CEMENT NOMENCLATURE
2-String Design with Conductor**



COGCC CASING AND CEMENT NOMENCLATURE
2-String Design plus Open Hole with Conductor

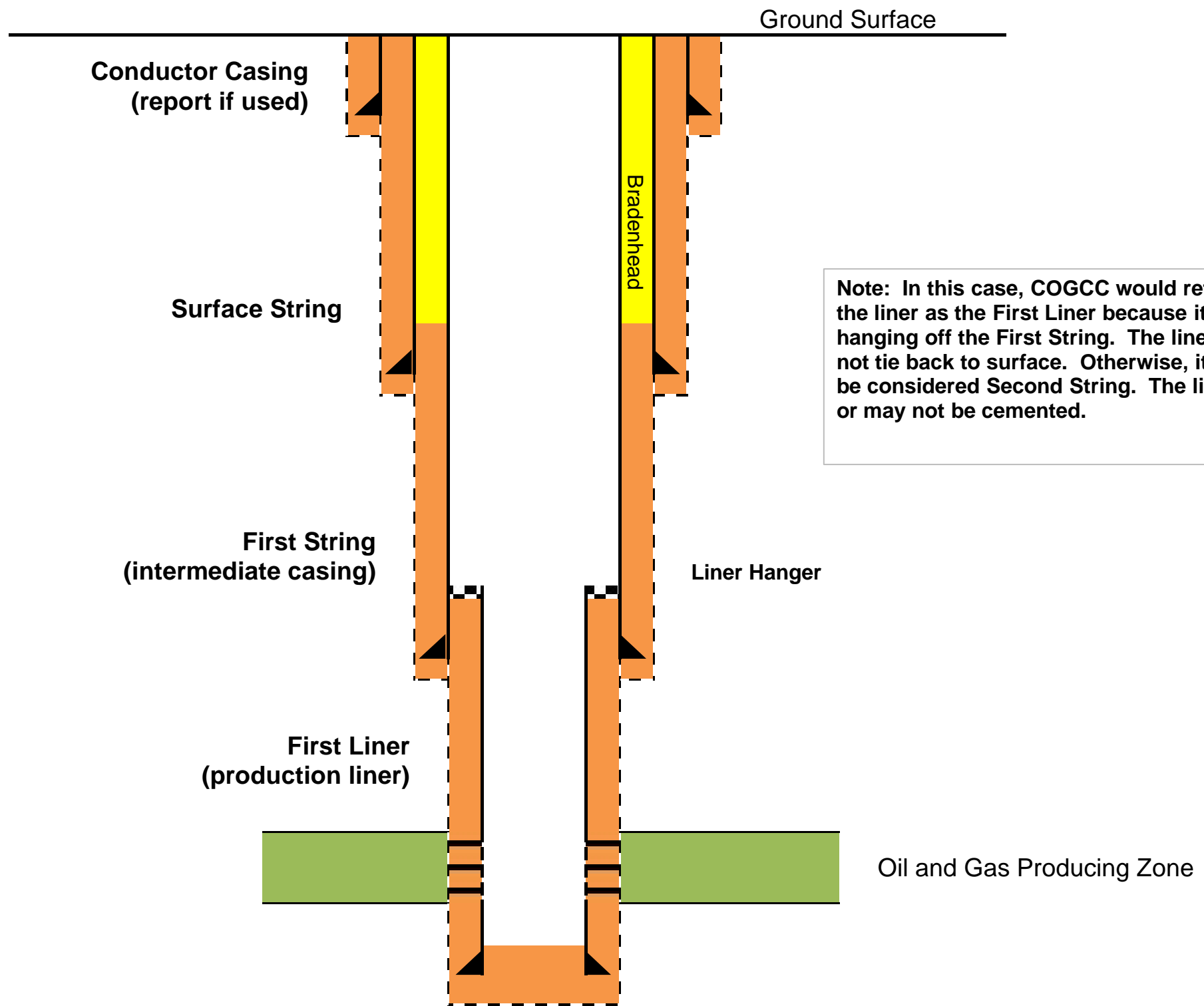


**COGCC CASING AND CEMENT NOMENCLATURE
3-String Design with Conductor**



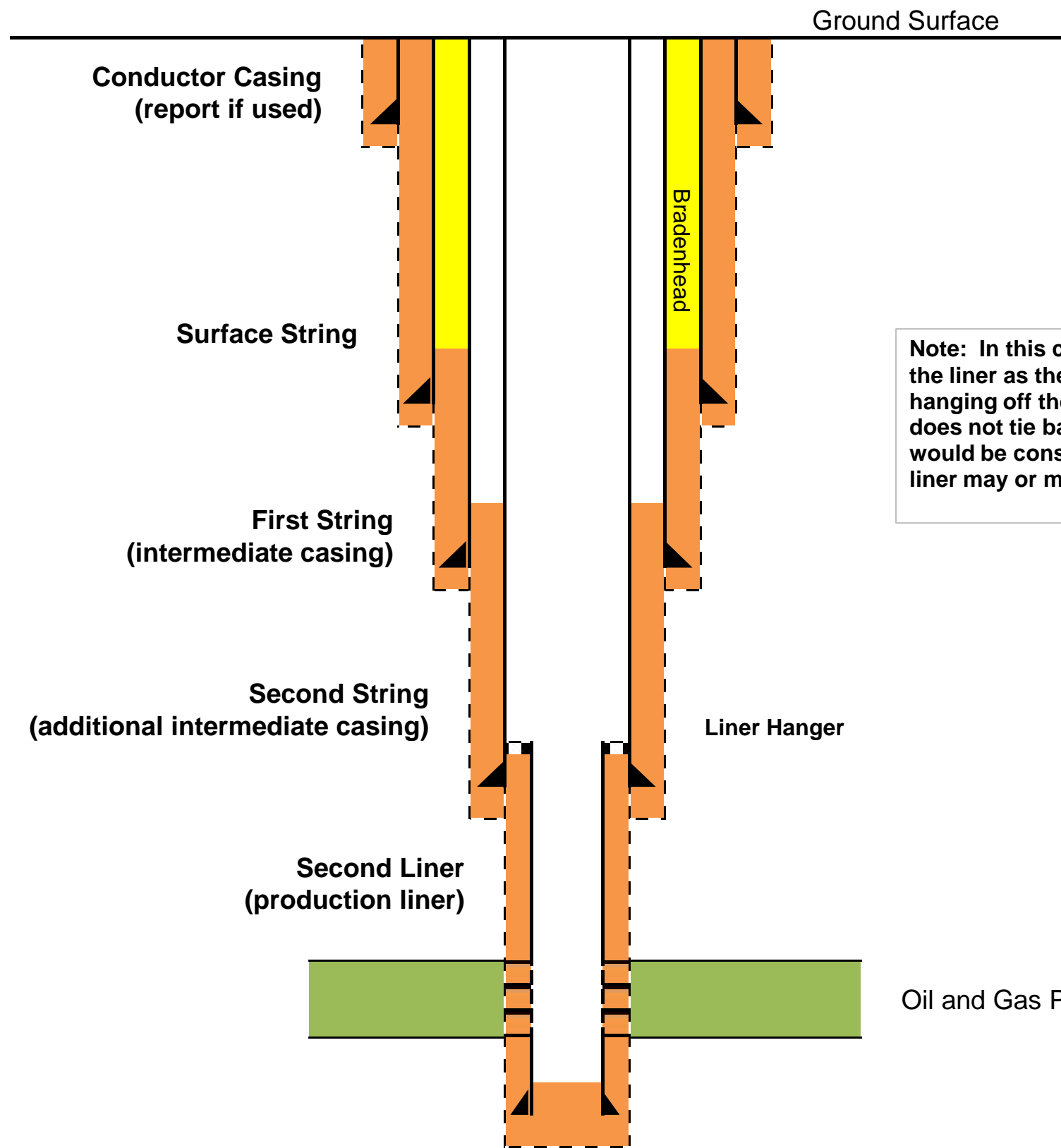
Note: In this case, COGCC would refer to the inner-most casing string as the Second String whether or not it is hung from the wellhead at surface or hung near the bottom of the First String with a "tie-back" to surface.

**COGCC CASING AND CEMENT NOMENCLATURE
2-String Plus Liner Design with Conductor**



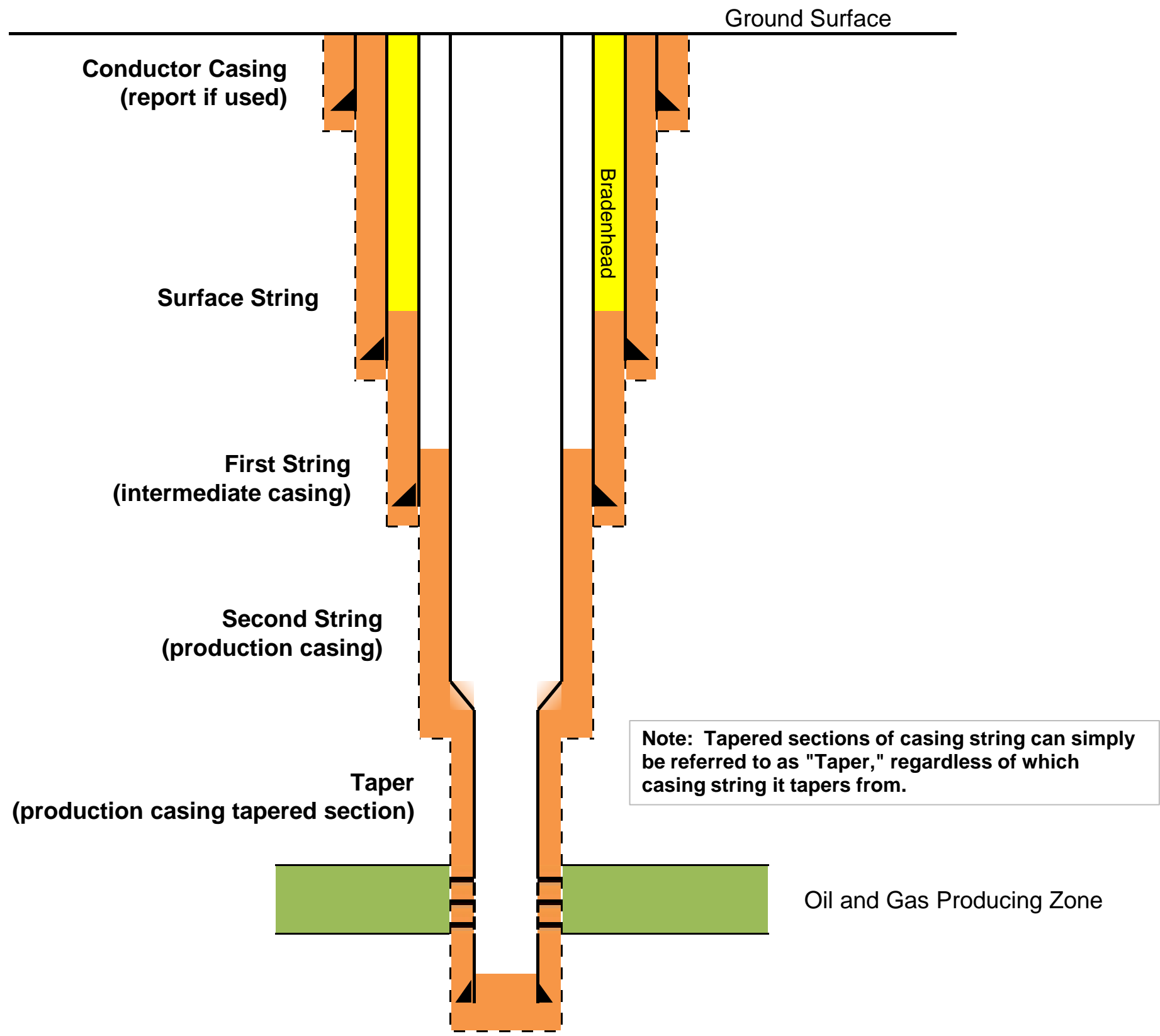
Note: In this case, COGCC would refer to the liner as the First Liner because it is hanging off the First String. The liner does not tie back to surface. Otherwise, it would be considered Second String. The liner may or may not be cemented.

**COGCC CASING AND CEMENT NOMENCLATURE
3-String plus Liner Design with Conductor**



Note: In this case, COGCC would refer to the liner as the **Second Liner** because it is hanging off the **Second String**. The liner does not tie back to surface. Otherwise, it would be considered **Third String**. The liner may or may not be cemented.

**COGCC CASING AND CEMENT NOMENCLATURE
3-String and Taper Design with Conductor**



COGCC CASING AND CEMENT NOMENCLATURE
Typical Cement Designations

