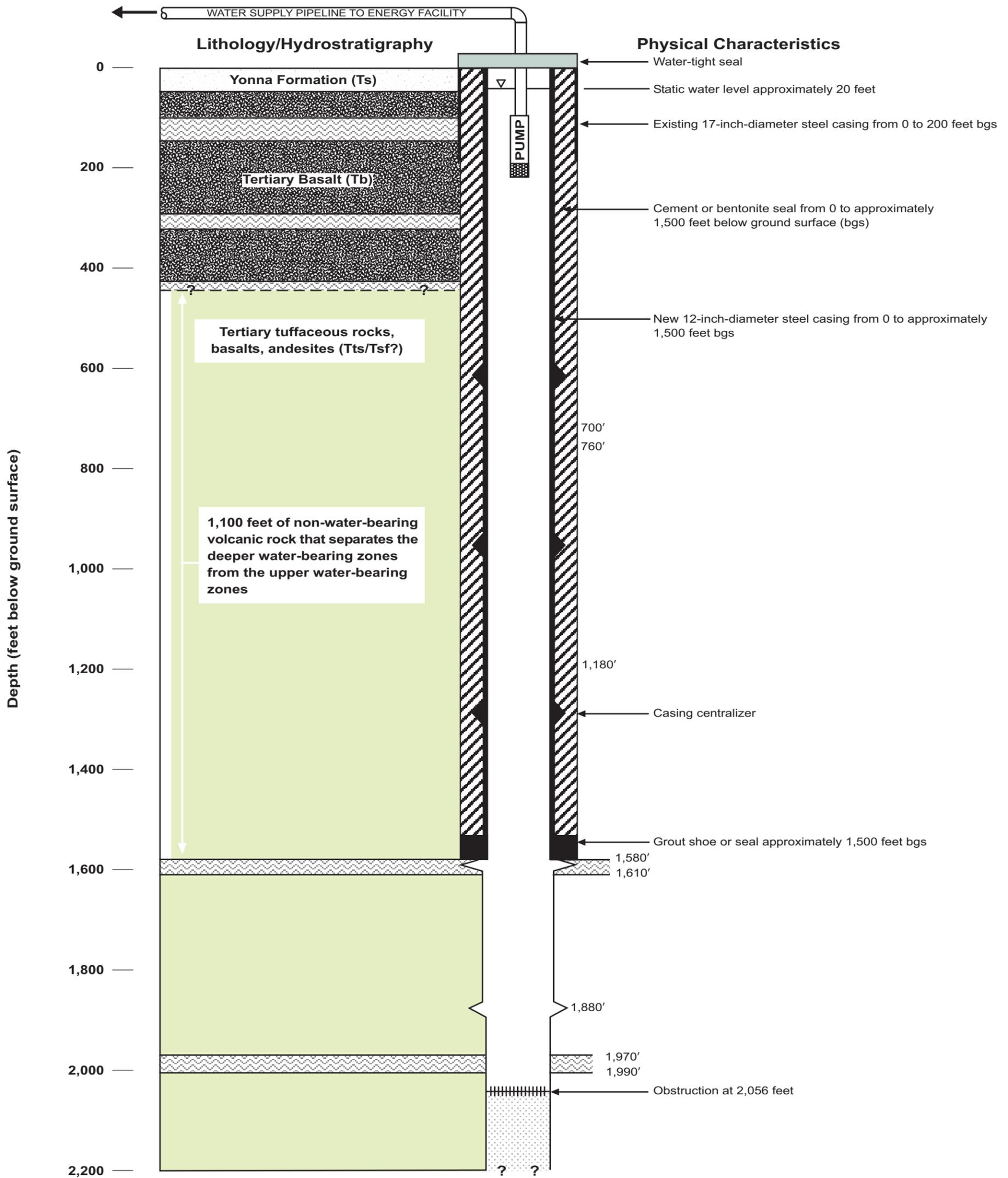


## Proposed Babson Well Reconstruction Diagram—Air Cooled



**LEGEND**

- Ts** Tuffaceous sedimentary rocks and tuff (Pliocene and Miocene), AKA Yonna Formation—Semiconsolidated to well-consolidated mostly lacustrine tuffaceous sandstone, siltstone, mudstone, concretionary claystone, pumicite, diatomite, air-fall and water-deposited vitric ash, palagonite tuff and tuff breccia, and fluvial sandstone and conglomerate. Palagonite tuff and breccia grade laterally into altered and unaltered basalt flows of unit Tob.
  
- Tb** Basalt (Upper and Middle Miocene)—Basalt flow, flow breccia, basaltic peperite, minor andesite flows, and some interbeds of tuff and tuffaceous sedimentary rocks.
  
- Tts/ tsf** This unit represents rocks that are indicated to occur beneath Tb in the project area but could not be differentiated here. Tts: Moderately well-indurated lacustrine tuff, palagonitic tuff, pumice, lesser siltstone, and sandstone and conglomerate. Tsf: Rhyolitic to dacitic bedded tuff, lapilli tuff, welded and nonwelded ash-flow tuff, and interbedded basalt and andesite flows.
  
- Groundwater production zone.

- 1,080' Large void or fracture zone and corresponding depth in feet
  
- Lithologic contact
  
- Hydrostratigraphic contact

**Notes**

Borehole diameters will decrease as follows to 2,056 feet (diameters are approximations only):  
 20" = 200-380 feet  
 18" = 380-1,010 feet  
 17" = 1,010-1,090 feet  
 16" = 1,090-1,700 feet  
 14" = 1,700-Total Depth

Lithologic and hydrostratigraphic relationships are interpreted from borehole geophysics conducted by CH2M HILL in April 1993 and the stratigraphic descriptions provided in the Geologic Map of Oregon (Walker and MacLeod, 1991).

**Figure 3.3-1**  
 Proposed Babson Well Reconstruction Diagram—Air Cooled  
 COB Energy Facility  
 Bonanza, Oregon