



PUBLIC HEALTH DIVISION
Drinking Water Services

Kate Brown, Governor

Oregon
Health
Authority

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November 30, 2022

Scott VanDyke
Penner Ash Wine Cellars
3500 SE Three Mile Lane
McMinnville, OR 97128

**Re: Existing Well (PR#162-2022)
Penner Ash Wine Cellars (PWS ID#95691)
Conditional Approval**

Dear Scott:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the existing well for Penner Ash Wine Cellars. On October 11, 2022, our office received a water system survey, well log, some pictures, and on November 29, 2022 a plan review fee of \$825.

The project includes an existing well drilled to a depth of 128 ft. The well is cased to a depth of 57 ft and sealed to a depth of 50 ft. The casing seal extends 22 ft into low permeability siltstone bedrock that overlies the aquifer. A perforated liner was installed which helps keep the borehole open but doesn't keep water from entering the well through the annular space between the liner and the borehole wall. Therefore, water can enter the well through the uncased portion of the well between 57 and 128 ft below ground.

This well draws from a layered basalt aquifer. The portion of the basalt providing water to the well occurs at a depth of 72 ft and is overlain by 44 ft of siltstone, 20 ft of weathered shale, and 7 ft of silt/clay. The siltstone acts as a confining layer. Water within the basalt is under pressure, rising 29 ft above the identified water-bearing zone to a depth of 43 ft below ground.

The plans are approved with the following conditions:

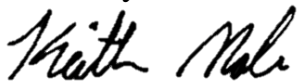
- Provisions must be made for determining the depth to water surface in the well under pumping and static conditions.

- A method of determining the total output of the well must be provided (typically a flowmeter is installed for this purpose).

Until we receive verification that the conditions have been met and final approval has been issued, the well is not approved for use. Documentation demonstrating how the above conditions were met should reference Plan Review #162-2022 and can be emailed to me at keith.male@dhsoha.state.or.us.

If you have any questions, please feel free to call me at (503) 939-1322.

Sincerely,



Keith Male, EIT
Regional Engineer
Drinking Water Services

cc: Julie Wray, DWS
Carrie Gentry, PE, OHA/DWS
Brian Hawkins, Oregon Department of Agriculture
Sarah Schwab, Oregon Department of Agriculture