



Oregon

Kate Brown, Governor

Water Resources Department

725 Summer St NE, Ste A

Salem, OR 97301

Phone: 503-986-0900

Fax: 503-986-0904

May 14, 2021

DWAYNE PERSON WWC/MWC#1937
PERSON DRILLIN INC
166 RIMROCK RD
GOLDENDALE, WA 98620

FINAL ORDER

Dear Mr. Person:

The Special Standards Request Form you submitted for owner: Wade Root, Start Card number: 1049213, is hereby approved for the following: You may construct this well as described on your Special Standards Request Form dated May 11, 2021. *Stipulations of this approval are:*

- *The 12" steel inner casing must be continuously sealed with cement grout from land surface to a minimum depth of 1,310 feet below land surface.*
- *If after advancing the bore hole past the case and seal depth of 1,310 feet below land surface the well is found to be comingling aquifers than a deeper seal shall be placed or the well shall be permanently abandoned.*
- *A downhole video of the completed well must be taken and provided to the Department prior to installation of pump equipment.*

A copy of your Special Standards Request Form is enclosed. All other well construction standards must be adhered to.

Verbal approval of this Special Standards Request was provided on May 12, 2021.

The Well Construction Standards serve to protect ground water resources. By approving and issuing this special construction standard the Oregon Water Resources Department is not representing that a well constructed in accordance with this condition will maintain structural integrity or that it meets engineering standards. The well constructor/or landowner is responsible for ensuring that a well is constructed in a manner that protects ground water resources as required under Oregon Administrative Rules 690-200 through 690-240.

If you have any questions regarding this letter, I may be contacted at (503) 302-8618, or by e-mail at Travis.N.Kelly@oregon.gov.

Sincerely,

Travis Kelly, Coordinator
Well Construction Program
Well Construction and Compliance Section

Enclosure

cc: Well Inspector, Northcentral Region

This is a final order in other than contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.



Oregon Water Resources Department
 725 Summer Street NE, Suite A
 Salem Oregon 97301-1266
 (503) 986-0900
 www.wrd.state.or.us

Special Standards Request Form

REQUEST FOR WRITTEN APPROVAL TO USE CONSTRUCTION METHODS NOT INCLUDED IN OREGON ADMINISTRATIVE RULES 690-200 THROUGH 690-240

Before the request can be considered, this form must be completed. Requests shall be submitted to the Well Construction Program Coordinator, Water Resources Department, 725 Summer Street NE, Suite A, Salem OR 97301-1266. Requests may also be considered by the appropriate Regional Manager.

Date of request: 5/11/21 Oral approval date (if applicable): _____

Bonded Well Constructor (name, license #, and mailing address): Dwayne Person
#1934 166 RimRock Rd. Goldendale WA 98620

(1) Location of Well: NE 1/4 S~~W~~W 1/4 Tax lot 400 Section 7,
 Township 2 N, Range 12 E, Wasco County
 Address at well site: 1027 Root Rd. Mosier OR. 97040

(2) Start Card Number(s)(for work to be done): 1049213

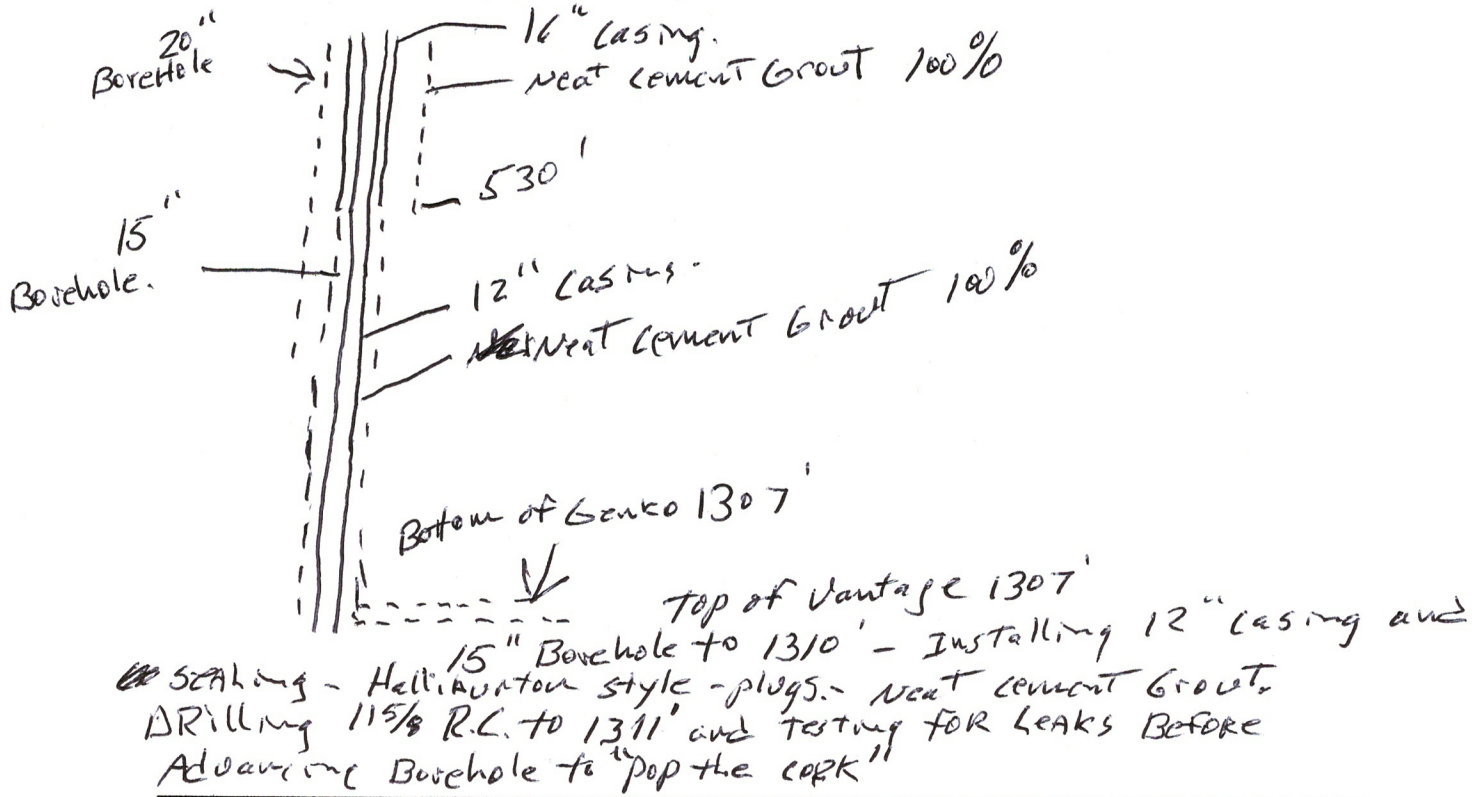
(3) Name and Address of Land Owner: Wade Root 697 Dry Cr. Rd.
Mosier OR 97040

(4) Distance to the nearest septic tank, drainfield, closed sewage line (if water supply well)
-NA-

(5) The unusual site conditions which necessitate this request: See ATT.

(6) The proposed construction methods that the bonded well constructor believes will be adequate for this well: (attach additional pages if needed)
Grouting into the vantage 2' on this site, and testing
Before completion will prevent the high pressure water
from leaking. suspected pressure 500 psi. test pressure. 567.5
psi.

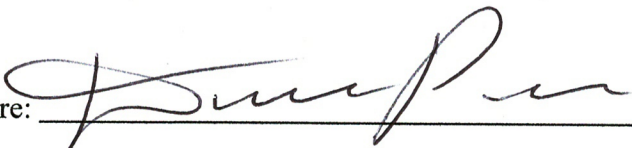
- (7) Diagram showing the pertinent features of the proposed well design and construction:
(attach additional pages if needed)



PLEASE NOTE:

- (1) The Well Construction Standards serve to protect ground water resources. By approving and issuing this special construction standard the Oregon Water Resources Department is not representing that a well constructed in accordance with this condition will maintain structural integrity or that it meets engineering standards. The well constructor/ or landowner is responsible for ensuring that a well is constructed in a manner that protects ground water resources as required under Oregon Administrative Rules 690-200 through 690-240.
- (2) If it should be determined at some future date that the well, due to its construction, is allowing ground water contamination, waste or loss of artesian pressure, the undersigned shall return to the site and rectify the problem.
- (3) If oral approval was granted, a written request must be submitted to the Department either within three (3) working days of the date of oral approval or prior to the completion of the associated well work. Failure to submit a written request as described above may void prior oral approval.

I have read and understand the above information. I further attest that the information provided is accurate to the best of my knowledge.

Bonded Constructor Signature: 

From: **dwayne person** deepholedriller2575@yahoo.com
Subject: **Re: Hydrogeology justification for a Special Standard at Root**
Date: **May 11, 2021 at 9:21 AM**
To: **Person Pump** ppwd1015@gmail.com



On May 10, 2021, at 8:14 PM, Ken Lite <klite@gsiws.com> wrote:

Dwayne,

The hydrogeology justification for a special standard at the Root "Deep" well is mostly in the uncertainty of the thickness of the claystone interbed that overlies a high pressure aquifer that may exceed 500 PSI. I have examined the cuttings of the basalt flow (Ginkgo – Frenchman Springs) immediately overlying the claystone unit and found virtually no vesicles in the lower couple hundred feet of the flow. In contrast, a very thick vesicular zone was found in the same horizon in the Molesworth "deep" well, illustrating lateral facies changes and uncertainty regarding the thickness of the claystone unit. When the same claystone unit was fully penetrated at the Molesworth well before casing and sealing the lower portion of the borehole, the resulting commingling of the high pressure and flow from the underlying aquifer was very difficult and expensive to bring under control before the casing and sealing could be accomplished. A video survey of the borehole completed today confirmed a very solid rock unit overlying the claystone, and no indication of adverse moving particles within the water column. The uncertainty of the claystone unit thickness and the suitability of the lower borehole material, supports placing the casing and seal at the current location.

Ken

Ken Lite, RG
Senior Hydrogeologist

<[image003.jpg](#)>

mobile: 503.688.8080
55 SW Yamhill Street, Suite 300, Portland, OR 97204
GSI Water Solutions, Inc. | www.gsiws.com