

(13)PORT WELL#C3	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	N/A	4	N	25	E	2	SE	NW	8	1430' S & 3470' W of NE CORNER SEC 2
(14)PORT WELL#D1	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	N/A	4	N	25	E	2	NE	SE		2950' S & 600' W of NE CORNER SEC 2
(15)PORT WELL#D2	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	N/A	4	N	25	E	2	NE	SE		2950' S & 580' W of NE CORNER SEC 2
(16)PORT WELL#D3	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	N/A	4	N	25	E	2	NE	SE		2970' S & 620' W of NE CORNER SEC 2

**NOTE:**

The authorized basalt POAs on Certificate 93290 (Chowning Deep Well 2 and Hillview 4) are constructed in a manner that obtains water from four separate water-bearing units within the Columbia River Basalt Group (CRBG) (the Pomona and Umatilla Members, the Priest Rapids Member, and the upper zone(s) of the Frenchman Springs Member – Sentinel Gap). Based on this information, any additional proposed POAs can obtain water from any one, or combination of wells, tapping these 3 water-bearing units (up to the allowed rate and duty on the Certificate 93290). See Attachment F for a review of the basalt geology associated with the Chowning Wells and the basalt geology in the vicinity of the Port of Morrow.

Four sites have been identified as locations to potentially install a cluster of up to two or three new basalt wells. The well clusters are intended to ensure that current well construction standards are met; specifically the requirement that a well is completed in only one water-bearing zone of the CRBG. The permit holder anticipates completing one well in each of three different target aquifers (the Umatilla Member, the Priest Rapids Member, and the upper zone(s) of the Frenchman Springs Member – Sentinel Gap) at one or more of these proposed new POA cluster locations. Well Cluster B also has a fourth well, Well B4, that is targeting the Frenchman Springs aquifer zones below Sentinel Gap units. Based on the water levels from existing wells in these water bearing zones, they indicate similar water levels to the Chowning wells and thus could be considered the same aquifer. Combined total production from any new additional POA clusters will not exceed the allowed rate and duty on the Certificate 93290.

If the static water levels are consistent between the Umatilla and Priest Rapids members, and in consultation with OWRD groundwater staff during the well construction process, one well may be constructed to appropriate water from both units. Decisions regarding depths and final construction will be determined during the drilling process, with approval from OWRD groundwater staff. See Attachment F for additional information.

**Check all type(s) of change(s) proposed below (change “CODES” are provided in parentheses):**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Place of Use (POU)                 | <input type="checkbox"/> Supplemental Use to Primary Use (S to P)            |
| <input checked="" type="checkbox"/> Character of Use (USE)             | <input type="checkbox"/> Point of Appropriation/Well (POA)                   |
| <input type="checkbox"/> Point of Diversion (POD)                      | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD)          | <input type="checkbox"/> Substitution (SUB)                                  |
| <input type="checkbox"/> Surface Water POD to Ground Water POA (SW/GW) | <input type="checkbox"/> Government Action POD (GOV)                         |

**Will all of the proposed changes affect the entire water right?**

- Yes Complete only the Proposed (“to” or “on” lands) section of Table 2 on the next page. Use the “CODES” listed above to describe the proposed changes.
- No Complete all of Table 2 to describe the portion of the water right to be changed.

