



July 5, 2018

OWRD Staff
Oregon Water Resources Department
725 NE Summer Street, Suite A
Salem, OR, 97301

Dear OWRD Staff:

Please find enclosed an application for permit amendment for permit G-15275 in the name of Columbia Hills Homeowners' Association (CHHOA). CHHOA is submitting this application in order to add authorized points of appropriation for potential future wells and to correct the description of the location of two authorized wells, Well 6 and Well 8. The wells were drilled at the locations shown on the permit application map for permit G-15275, but this location does not match the location described in permit G-15275.

Please note that the applicant, Columbia Hills Land Company, formerly Columbia Hills Development, is requesting to assign the permit to Columbia Hills Homeowners Association. The request for assignment form (Attachment C) includes documentation of the amendment to the articles of incorporation changing the name to Columbia Hills Land Company.

If you have any questions about the enclosed materials, please contact me by phone at 541-257-9005 or by email at omcmurtrey@gsiws.com.

Sincerely,

A handwritten signature in black ink that reads "Owen McMurtrey".

Owen McMurtrey
Staff Water Resources Consultant

Cc: Mike Stone, CHHOA
Richard Recht, CHHOA

Enclosures: Application for permit amendment and attachments
Check for application fee (\$1,570) and permit assignment fee (\$100)

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State of Oregon
 Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-1266
 (503) 986-0900

Application for Permit Amendment

Part 1 of 5 – Minimum Requirements Checklist

This permit amendment application will be returned if Parts 1 through 5 and all required attachments are not completed and included.
 For questions, please call (503) 986-0900, and ask for Transfer Section.

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Check all items included with this application. (N/A = Not Applicable)

- Part 1 – Completed Minimum Requirements Checklist.
- Part 2 – Completed Application Map Checklist.
- Part 3 – Application Fee, payable by check to the Oregon Water Resources Department, and completed Fee Worksheet, page 3. Try the new online fee calculator at: http://apps.wrd.state.or.us/apps/misc/wrd_fee_calculator. If you have questions, call Customer Service at (503) 986-0801.
- Part 4 – Completed Applicant Information and Signature.
- Part 5 – Information about Permits to be Amended: **Number of permits to be amended: 1 List them here: G-15275 (See Attachment A)**
 Please include a separate Part 5 for each permit. (See instructions on page 6)
- Completed Permit Amendment Application Map (Does not have to be prepared by a Certified Water Right Examiner). **(See Attachment B)**
- N/A Request for Assignment Form and statutory fee. The request for assignment form has to be completed if the applicant is **not** the permit holder of record and needs to be assigned to the permit; **or** the landowner of the proposed place of use is **not** the permit holder of record and needs to be assigned to the permit (the Request for Assignment Form is available online at http://www.oregon.gov/owrd/pubs/docs/forms/req_assign_8_21_09.pdf). Assignment is not needed if the applicant is the permit holder of record. **(See Attachment C)**
- N/A Affidavit(s) of Consent are required from all permit holder(s) of record if the permit is not assigned to the applicant, **or** other permit holders of record that are not listed as applicants.
- N/A Land Use Information Form with approval and signature (or signed land use form receipt stub). **(See Attachment D)**. Land use form is not required if any of the following apply:
 - Water is to be diverted, conveyed, and/or used only on federal lands.
 - All of the following apply: a) a change in place of use only, b) no structural changes, c) the use of water is for irrigation only, and d) the use is located within an irrigation district or an exclusive farm use zone.
 - The proposed changes are all located on the property reviewed in Land Use form enclosed in Water Right Application Folder # _____.
- N/A Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation. **(See Attachment E)**

(For Staff Use Only)

WE ARE RETURNING YOUR APPLICATION FOR THE FOLLOWING REASON(S):

<input type="checkbox"/> Application fee not enclosed/insufficient	<input type="checkbox"/> Map not included or incomplete
<input type="checkbox"/> Land Use Form not enclosed or incomplete	<input type="checkbox"/> Assignment Form and fee not enclosed/insufficient
<input type="checkbox"/> Additional signature(s) required	Part _____ is incomplete

Other/Explanation _____

Staff: _____ 503-986-0 _____ Date: ____/____/____

Part 2 of 5 – Permit Amendment Map Checklist

Your permit amendment application will be returned if any of the map requirements listed below are not met.

Please be sure that the map you submit includes all the items listed below and meets the requirements of OAR 690-380-3100, however, the map does not have to be prepared by a Certified Water Right Examiner. Check all boxes that apply.

- N/A If **more than three** permits are involved, separate maps for each permit.
- Permanent quality printed with dark ink on good quality paper.
- The size of the map can be 8½ x 11 inches, 8½ x 14 inches, 11 x 17 inches, or up to 30 x 30 inches. For 30 x 30 inch maps, one extra copy is required.
- A north arrow, a legend, and scale.
- The scale of the map must be: 1 inch = 400 feet, 1 inch = 1,320 feet, the scale of the county assessor map if the scale is not smaller than 1 inch = 1,320 feet, or a scale that has been pre-approved by the Department.
- Township, Range, Section, ¼ ¼, DLC, Government Lot, and other recognized public land survey lines.
- Tax lot boundaries (property lines) are required. Tax lot numbers are recommended.
- Major physical features including rivers and creeks showing direction of flow, lakes and reservoirs, roads, and railroads.
- Major water delivery system features from the point(s) of diversion/appropriation such as main pipelines, canals, and ditches.
- Existing place of use that includes separate hachuring for each water use permit, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions. If less than the entirety of the permit is being changed, a separate hachuring is needed for the portion of the permit left unchanged.
- N/A If you are proposing a change in place of use, show the proposed place of use with hachuring that includes separate hachuring for each permit, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions.
- Existing point(s) of diversion or well(s) with distance and bearing or coordinates from a recognized survey corner. This information can be found in your water use permit.
- N/A If you are proposing a change in point(s) of diversion or well(s), show the proposed location and label it clearly with distance and bearing or coordinates. If GPS coordinates are used, latitude-longitude coordinates may be expressed as either degrees-minutes-seconds with at least one digit after the decimal (example – 42°32'15.5") or degrees-decimal with five or more digits after the decimal (example – 42.53764°).

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Part 3 of 5 – Fee Worksheet

FEE WORKSHEET for PERMIT AMENDMENT			
1	Base Fee (includes one type of change to one permit for up to 1 cfs)	1	\$1,160
2	Types of change proposed: <input type="checkbox"/> Place of Use <input checked="" type="checkbox"/> Point of Diversion/Appropriation Number of above boxes checked = <u>1 (2a)</u> Subtract 1 from the number in line 2a = <u>0 (2b)</u> <i>If only one change, this will be 0</i> Multiply line 2b by \$930 and enter » » » » » » » » » » » » » » » »	2	\$0
3	Number of permits included in Permit Amendment <u>1 (3a)</u> Subtract 1 from the number in 3a: <u>0 (3b)</u> <i>If only one permit this will be 0</i> Multiply line 3b by \$520 and enter » » » » » » » » » » » » » » » »	3	\$0
4	Do you propose to add or change a well, or change from a surface water POD to a well? <input type="checkbox"/> No: enter 0 » <input checked="" type="checkbox"/> Yes: enter \$410 »	4	\$410
5	Do you propose to change the place of use? <input checked="" type="checkbox"/> No: enter 0 on line 5 » <input type="checkbox"/> Yes: enter the cfs for the portions of the permits to be amended (see example below*): _____ (5a) Subtract 1.0 from the number in 5a above: _____ (5b) If 5b is 0, enter 0 on line 5 » If 5b is greater than 0, round up to the nearest whole number: _____ (5c) and multiply 5c by \$350, then enter on line 5 » » » » » » » » » » » »	5	\$0
6	Add entries on lines 1 through 5 above » » » » » » » » » » Subtotal:	6	\$1,570
7	Is this permit amendment: <input type="checkbox"/> necessary to complete a project funded by the Oregon Watershed Enhancement Board (OWEB) under ORS 541.932? <input type="checkbox"/> endorsed in writing by ODFW as a change that will result in a net benefit to fish and wildlife habitat? If one or more boxes is checked, multiply line 6 by 0.5 and enter on line 7 » If no box is applicable, enter 0 on line 7 » » » » » » » » » » » » » » » » » »	7	
8	Subtract line 7 from line 6 » » » » » » » » » » Permit Amendment Fee:	8	\$1,570

*Example for Line 5a calculation to transfer 45.0 acres of Primary Permit S-12345 (total 1.25 cfs for 100 acres) and 45.0 acres of Supplemental Permit S-87654 (1/80 cfs per acre) on the same land:

- For irrigation calculate cfs for each permit involved as follows:
 - Divide total authorized cfs by total acres in the permit (for S-12345, $1.25 \text{ cfs} \div 100 \text{ ac}$); then multiply by the number of acres to be changed to get the application cfs ($x 45 \text{ ac} = 0.56 \text{ cfs}$).
 - If the water right permit does not list total cfs, but identifies the allowable use as 1/40 or 1/80 of a cfs per acre; multiply number of acres proposed for change by either 0.025 (1/40) or 0.0125 (1/80). (For S-87654, $45.0 \text{ ac} \times 0.0125 \text{ cfs/ac} = 0.56 \text{ cfs}$)
- Add cfs for the portions of permits on all the land included in the application; however **do not count cfs for supplemental permits on acreage for which you have already calculated the cfs fee for the primary permit on the same land.** The fee should be assessed only once for each “on the ground” acre included in the application. (In this example, blank 5a would be only 0.56 cfs, since both permits serve the same 45.0 acres. Blank 5b would be 0 and Line 5 would then also become 0).

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Part 4 of 5 – Applicant Information and Signature

Applicant Information

APPLICANT/BUSINESS NAME Columbia Hills Homeowners Association ATTN: Mike Stone and Richard Recht			PHONE NO. (650)-854-0102	ADDITIONAL CONTACT NO.
ADDRESS 50606 Crystal Ridge Road				FAX NO.
CITY Scappoose	STATE OR	ZIP 97056	E-MAIL richard_recht@yahoo.com	
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.				

Agent Information – The agent is authorized to represent the applicant in all matters relating to this application.

AGENT/BUSINESS NAME Owen McMurtrey			PHONE NO. 541-257-9005	ADDITIONAL CONTACT NO.
ADDRESS [REDACTED] 1600 SW Western Blvd, Suite 240				FAX NO.
CITY Corvallis	STATE OR	ZIP 97333	E-MAIL omcmurtrey@gsiws.com	
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.				

Explain in your own words what you propose to accomplish with this permit amendment; and why:
The applicant proposes to add five additional points of appropriation to Permit G-15275. Due to well construction and water quality limitations, only four of the nine authorized points of appropriation produce more than five gallons per minute (gpm). The applicant has conducted a hydrologic study to identify potential well locations with improved water quality and productivity and proposes to change the authorized location of Well 9 and add 11 additional points of appropriation for future development.

Check this box if this project is fully or partially funded by the American Recovery and Reinvestment Act. (Federal stimulus dollars)

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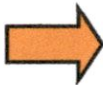
Is the applicant the permit holder of record? Yes No

If NO, include either:

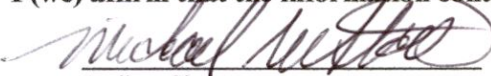
- A completed assignment form (with required statutory assignment fee), assigning all or a portion of the permit to the applicant(s), **OR**
- An affidavit of consent from the permit holder(s) of record that gives permission for the applicant to amend the permit.

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I understand that prior to Department approval of the permit amendment, I may be required to submit payment to the Department for publication of a notice in a newspaper with general circulation in the area where the permit is located, once per week for two consecutive weeks. If more than one qualifying newspaper is available, I suggest publishing the notice in the following newspaper: _____



I (we) affirm that the information contained in this application is true and accurate.


Michael W Stone
6/20/18
 Applicant Signature Print Name (and Title if applicable) Date
President

Check one of the following:

- The applicant is responsible for completion of change(s). Notices and correspondence should continue to be sent to the applicant.
- The permit holder(s) of record will be responsible for completing the proposed change(s) after the final order is issued. Copies of notices and correspondence should be sent to the permit holder(s) of record.

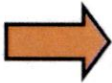
Check the appropriate box, if applicable:

- Check here if any of the permits proposed for amendment are or will be located within or served by an irrigation or other water district.

IRRIGATION DISTRICT NAME	ADDRESS	
CITY	STATE	ZIP

- Check here if water for any of the permits supplied under a water service agreement or other contract for stored water with a federal agency or other entity.

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP



To meet State Land Use Consistency Requirements, you must list all local governments (each county, city, municipal corporation, or tribal government) within whose jurisdiction water will be diverted, conveyed or used.

ENTITY NAME Columbia County Land Development Services	ADDRESS 230 Strand Street, Room 105	
CITY St. Helens	STATE Oregon	ZIP 97051

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

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Part 5 of 5 – Water Use Permit Information

PERMIT # G-15275

Table 1. Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation (POA)

(Note: If the POD/POA name is not specified in the permit, assign it a name or number here.)

POD/POA Name or Number	Is this POD/POA Authorized by the permit or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L-___)	Twp		Rng		Sec	¼ ¼		Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
Well #1	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	COLU 3176	3	N	2	W	22	SE	NE	2400	1350 feet South and 260 feet West from the NE corner of Section 22
Well #2	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	COLU 3174 COLU 55007	3	N	2	W	22	SE	NE	1400	1700 feet South and 1050 feet West from the NE corner of Section 22
Well #4	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	COLU 993	3	N	2	W	23	NW	NW	600	750 feet South and 1050 feet East from the NE corner of Section 22
Well #6	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	COLU 52048	3	N	2	W	22	NE	SW	3200	2110 feet North and 2280 feet East from the SW corner of Section 22
Well #6	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	COLU 52048	3	N	2	W	22	NE	SW	3000	2320 feet North and 2320 feet East from the SW corner of Section 22
Well #7	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	COLU 52049	3	N	2	W	22	NE	NE	9100	1190 feet South and 530 feet West from the NE corner of Section 22
Well #F1 (Well #8)	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	COLU 53503	3	N	2	W	22	NE	SW	4100	1850 feet North and 1490 feet East from the SW corner of Section 22
Well #F1 (Well #8)	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	COLU 53503	3	N	2	W	22	NE	SW	3900	2120 feet North and 3505 feet West from the SE corner of Section 22
Well #F2 (Well #9)	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	Not yet Constructed	3	N	2	W	22	NE	SW	3400	2110 feet North and 1980 feet West from the SW corner of Section 22
Well #9	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	Not yet Constructed	3	N	2	W	22	NE	SW	10100	2090 feet North and 2735 feet East from the SE corner of Section 22
Well #10	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	Not yet Constructed	3	N	2	W	22	NE	SW	10000	1570 feet North and 2715 feet West from the SE corner of Section 22

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PERMIT # G-15275

Table 1 (continued). Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation (POA)

POD/POA Name or Number	Is this POD/POA Authorized by the permit or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L-___)	Twp		Rng		Sec	¼ ¼		Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
Well #11	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	Not yet Constructed	3	N	2	W	22	NE	SW	9600	1380 feet North and 2920 feet West from the SE corner of Section 22
Well #12	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	Not yet Constructed	3	N	2	W	22	NW	SE	11800	2670 feet North and 2060 feet West from the SE corner of Section 22
Well #13	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	Not yet Constructed	3	N	2	W	22	NE	SE	3800	2200 feet North and 1090 feet West from the SE corner of Section 22
Well #14	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	Not yet Constructed	3	N	2	W	22	NE	SE	3400	1900 feet North and 1070 feet West from the SE corner of Section 22
Well #15	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	Not yet Constructed	3	N	2	W	22	NE	SE	7600	Located 1510 feet North and 1020 feet West from the SE corner of Section 22
Well #16	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	Not yet Constructed	3	N	2	W	22	NE	SE	5600	Located 2040 feet North and 760 feet West from the SE corner of Section 22
Well #17	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	Not yet Constructed	3	N	2	W	22	NE	SE	11400	Located 1470 feet North and 615 feet West from the SE corner of Section 22
Well #18	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	Not yet Constructed	3	N	2	W	22	NE	SE	200	Located 2390 feet North and 300 feet West from the SE corner of Section 22
Well #19	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	Not yet Constructed	3	N	2	W	22	NE	SE	1500	Located 1510 feet North and 210 feet West from the SE corner of Section 22
Well #20	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	Not yet Constructed	3	N	2	W	22	NW	SE	8600	Located 2980 feet North and 1535 feet West from the SE corner of Section 22
Well #21	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	Not yet Constructed	3	N	2	W	22	NW	SE	11800	Located 2715 feet North and 2360 feet West from the SE corner of Section 22

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

- | | |
|---|--|
| <input type="checkbox"/> Place of Use (POU) | <input checked="" 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"/> Surface water POD to Ground Water POA (SW/GW) |

Will all of the proposed changes affect the entire water use permit?

- Yes Complete only the proposed ("to" 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 permit to be changed.

For a change in place of use: N/A

Does the permit holder of record own or control the land TO which the place of use is being moved? N/A

Yes No

If NO, the landowner of the land TO which the place of use is being moved must be assigned to the permit as a permit holder of record by submitting a completed Request for Assignment form and the required statutory fee for an assignment.

Is the proposed place of use contiguous to the authorized place of use? Yes No N/A

The permitted place of use can be moved only to lands that are contiguous to the authorized place of use **unless** the change to non-contiguous lands is in furtherance of mitigation or conservation efforts undertaken for the purposes of benefiting a species listed as sensitive, threatened, or endangered under ORS 496.171 to 496.192 or the federal Endangered Species Act of 1973 (16 U.S.C. 1531 to 1544), as determined by the listing agency. Contiguous land being either adjacent land or land separated from the land to which a permit is authorized by roads, utility corridors, irrigation ditches or publicly owned rights of way.

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Table 2. Description of Changes to Water Use Permit # G-15275

List the change proposed for the acreage in each 1/4 1/4. If more than one change is proposed, specify the acreage associated with each change. If there is more than one POD/POA involved in the proposed changes, specify the acreage associated with each POD/POA.

AUTHORIZED (the "from" or "off" lands) The listing that appears on the certificate BEFORE PROPOSED CHANGES List only that part or portion of the water right that will be changed.									Proposed Changes (see "CODES" from previous page)	PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made.											
Twp	Rng	Sec	1/4 1/4	Tax Lot	Gvt Lot or DLC	Acre (if applicable)	POD(s) or POA(s) (name or number from Table 1)	Priority Date		Twp	Rng	Sec	1/4 1/4	Tax Lot	Gvt Lot or DLC	Acre (if applicable)	POD(s) or POA(s) to be used (from Table 1)	Priority Date			
									POD, APOD	3	N	2	W	22			See Map	N/A	N/A	NE NE	12/11/2001
										NW NE											
										SW NE											
										SE NE											
										SE NW											
										NE SW											
										SE SW											
										NE SE											
										NW SE											
										NW NW											
										SW NW											
TOTAL ACRES									TOTAL ACRES												

Additional remarks: **The applicant is proposing to add 12 points of appropriation (Wells #10 through #21). The applicant is also correcting the location of Well #6 and Well #F1 and changing the names of Well #F1 (to Well #8) and #F2 (to Well #9). Note that Well 6 was already constructed at the time the permit application was submitted, so the permitted source Well #6 is not changing.**

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Are there other water rights certificates, water use permits or ground water registrations associated with the "from" or "to" lands? Yes No

If YES, list the other certificate, permit, or ground water registration numbers: _____

If the permit(s) are for irrigation or supplemental irrigation use, other water rights existing on the same land for irrigation that are subject to transfer must either change concurrently or be cancelled. Any change to a water right certificate or ground water registration must be filed separately in a water right transfer application or ground water registration modification application, respectively.

For a change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:

- Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map. (Tip: You may search for well logs on the Department's web page at: http://apps2.wrd.state.or.us/apps/gw/well_log/Default.aspx)

See Attachment E for Well Logs for Wells 1, 2, 4, 6, and 8.

AND/OR

- Describe the construction of the authorized and proposed well(s) in Table 3 for any wells that do not have a well log. For *proposed wells not yet constructed or built*, provide "a best estimate" for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

See Table 3 for description of construction of proposed wells. Description of proposed wells is a best estimate based on a diagram for Well 6. The elevation of each well, and, therefore, the static water level, casing interval, and seal intervals will vary. However, the target aquifer, the Scappoose Formation, is the same.

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Table 3. Construction of Point(s) of Appropriation

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. Failure to provide the information will delay the processing of your transfer application until it is received. The information is necessary for the department to assess whether the proposed well(s) will access the same source aquifer as the authorized point(s) of appropriation (POA). The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well, OWRD Well ID Tag No. L- _____	Total well depth (ft)	Casing Diameter	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well - specific rate (cfs or gpm). If less than full rate of water right
Well 9	No		275	6 inches	0 - 115	0-20	145 - 270	120	Scappoose Formation	N/A
Well 10	No		235	6 inches	0 - 75	0-20	105 - 230	120	Scappoose Formation	N/A
Well 11	No		245	6 inches	0 - 85	0-20	115 - 240	120	Scappoose Formation	N/A
Well 12	No		300	6 inches	0 - 140	0-20	170 - 295	120	Scappoose Formation	N/A
Well 13	No		220	6 inches	0 - 120	0-20	150 - 215	100	Scappoose Formation	N/A
Well 14	No		175	6 inches	0 - 75	0-20	105 - 170	100	Scappoose Formation	N/A
Well 15	No		180	6 inches	0 - 80	0-20	110 - 175	100	Scappoose Formation	N/A
Well 16	No		185	6 inches	0 - 85	0-20	115 - 180	100	Scappoose Formation	N/A
Well 17	No		185	6 inches	0 - 85	0-20	115 - 180	100	Scappoose Formation	N/A
Well 18	No		175	6 inches	0 - 75	0-20	105 - 170	100	Scappoose Formation	N/A
Well 19	No		170	6 inches	0 - 70	0-20	100 - 165	100	Scappoose Formation	N/A
Well 20	No		300	6 inches	0 - 140	0-20	170 - 295	120	Scappoose Formation	N/A
Well 21	No		325	6 inches	0 - 165	0-20	195 - 320	120	Scappoose Formation	N/A

* Specifications for proposed wells are based on hydrogeologic evaluation for rehabilitation of Well 6 (see Attachment F).

In general, the depth of wells will vary depending on the depth of the Scappoose Formation. The target depth is approximately 250 feet amsl with a screened area of 100', with smaller intervals for shallower wells. Wells in the western portion of the development at high elevations (Wells 9, 10, 11, 12, 20, 21) are assumed to have similar characteristics to Well 6, with a target depth of 250' amsl and static water level of 120'. Wells in the eastern half of the development (13 through 19) are assumed to have a lower target depth of 200' amsl and a static water level of 100'. Casing, seal, and screening intervals have been modified according to the elevation for each proposed point of appropriation.

Please note that although no well-specific rates are proposed, the applicant is open to including well specific rates as part of this permit amendment application, if necessary, as it is not anticipated that any single well will produce the full authorized rate of Permit G-15275 (0.27 cfs, 121 gpm).

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