

Aspen

Rural Land Consulting

Water Resources, Water Rights, Land
Surveying, Engineering, Land Use Planning

ERICURSTADT@HOTMAIL.COM
971-250-1520 (MOBILE)

Water Resources Department
Attn: Transfer Section
725 Summer Street NE, Ste. A
Salem, OR, 97301

March 8, 2017

Subject: Application for a Groundwater Registration Modification for GR2353 (certificate GR 2235)

To Whom It May Concern,

Enclosed is an Application to permanently change the Place of Use (POU), change the character of Use, and change the Point of Appropriation (POA) for gr 2353 along with the following attachments:

- A. Document to demonstrate that signee can sign for the trust.
- B. Well Logs
- C. Communication with from Groundwater Section – pertaining to preliminary approval of change of POA's.
- D. Transfer Maps
- E. A check for \$1250 in applications fees.

Notes:

- 1. This GR Modification is being done concurrently with a transfer of certificate 47073.
- 2. A Land Use compatibility Statement and Map of the "TO lands is not included because the proposed Use is municipal within the City of Sublimity (a municipality). Joan Smith of the transfer section verbally approved that this was acceptable.
- 3. A prior GR Modification is in process for GR2353 (T-12456), and it is expected that the Final Order for that GR Mod will be completed before this GR Mod.

Please let me know if you need anything else.

Respectfully,

Aspen Rural Land Consulting,

Eric Urstadt, PE, PLS

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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 Ground Water Registration Modification

Part 1 of 5 – Minimum Requirements Checklist

This Ground Water Registration Modification application will be returned if Parts 1 through 4 and all required attachments are not completed and included.
 For questions, please call (503) 986-0900, and ask for Transfer Section.

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

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- Part 1 – Completed Minimum Requirements Checklist.
- Part 2 – Completed Application Map Checklist.
- Part 3 – Completed Applicant Information and Signature.
- Part 4 – Completed Ground Water Registration Modification Application – Ground Water Registration Information. (Only one ground water registration per application, **unless** the ground water registrations to be modified are layered).
- Completed Ground Water Registration Modification Application Map (Does not have to be prepared by a Certified Water Right Examiner).
- Ground water registration modification fees – Amount enclosed: \$ 1250. (\$875.00 for a place of use change only; \$1,250 for any other change or combination).

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Attachments:

- N/A Request for Assignment Form and statutory fee. This form needs to be completed if the applicant owns the land to which the registration is appurtenant and is **not** the registration certificate holder of record. The Request for Assignment Form is available at http://www.oregon.gov/owrd/pubs/docs/forms/req_assign_8_21_09.pdf, or http://www.oregon.gov/owrd/pubs/docs/forms/req_assign_8_09.pdf. Assignment is not needed for any person or entity who can demonstrate authorization to request recognition of a modification (e.g. legal representative, power of attorney, agent, etc.) **or** the applicant is named on the certificate of registration, or has been assigned to the certificate of registration.
- N/A Land Use Information Form with approval and signature (or signed land use form receipt stub). Land use form 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.

Joan Smith of the transfer section said the above would not (not applicable) be needed because the intended use is municipal within the City of Sublimity.

- N/A Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation.

(For Staff Use Only)

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

___ Application fee not enclosed/insufficient	___ Map not included or incomplete
___ Land Use Form not enclosed or incomplete	___ Assignment Form and fee not enclosed/insufficient
___ Additional signature(s) required	___ Part _____ is incomplete
Other/Explanation _____	

T 12721

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

Part 2 of 4 – Ground Water Registration Modification Map Checklist

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Your Ground Water Registration Modification application will be returned if any of the map requirements listed below are not met.

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Please be sure that the map you submit includes all the items listed below and meets them, OR 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.

- 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 appropriation such as main pipelines, canals, and ditches.
- Existing place of use that includes hachuring, 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 registration is being changed, a separate hachuring is needed for the portion of the registration left unchanged.
- N/A If you are proposing a modification in place of use, show the proposed place of use with hachuring including 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.

Joan Smith of the transfer section said the above would not be needed because the intended use is municipal within the City of Sublimity.

- Existing point(s) of appropriation with distance and bearing or coordinates from a recognized survey corner.
- N/A If you are proposing a modification in point(s) of appropriation, 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°).

Part 3 of 4 – Applicant Information and Signature

Applicant Information

APPLICANT/BUSINESS NAME Robert J. & Dorothy C. Schumacher Trust c/o Tom Schumacher			PHONE NO. 503.932.8277 Brian Schumacher	ADDITIONAL CONTACT NO. 503.932.8276 Tom Schumacher
ADDRESS PO Box 303			FAX NO. NA=Not Applicable	
CITY Sublimity	STATE OR	ZIP 97385	E-MAIL Brianschumacher@outlook.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.				

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

APPLICANT/BUSINESS NAME Aspen Rural Land Consulting c/o Eric Urstadt			PHONE NO. 971.250.1520	ADDITIONAL CONTACT NO. 503.647.1919
ADDRESS 39290 NW Murtaugh Road			FAX NO. NA	
CITY North Plains	STATE OR	ZIP 97133	E-MAIL ericurstadt@hotmail.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 modification; and why:
 The purpose of this GR Modification is to change a portion of GR 2353 to municipal use within the City of Sublimity and change the Points of Appropriation (POA) to the current City wells as mapped.

Note: This application is being done in conjunction with a concurrent transfer of certificate 47073 and a partial cancellation of GR 2352. The Water Resources Department (WRD) needs to take this into account when computing the resulting duty (volume) of water to be allowed by the City of Sublimity.

Note also: T-12456 is another GR Mod for GR 2353 that is in its final phase and was done to add a new POA for GR 2353. That new POA has been established as being within the same aquifer. T-12456 was done prior to the knowledge that this GR Modification might be requested and, as such, they are not related. However, T-12456 will not conflict with this application and the Transfer Section (Lisa Jaramillo) has verbally confirmed that it will be acceptable to have this GR Modification be finalized subsequent to T-12456, since GR Modifications do not need the "Claim" process required by typical certificate transfers.

There has been preliminary review by the Groundwater Section to determine that the current wells and proposed wells obtain water from the same aquifer.

The Watermaster stated that there has been no history of the City's wells causing any problems with nearby wells (which indicates the application has no "potential for injury").

GR 2352 also overlies the portion of the Place of Use (POU) of GR 2353 being transferred. In order that the Water Resources Department (WRD) can be sure that the FROM lands subject to this GR Mod and the concurrent transfer of certificate 47073 will not have any irrigation right remaining, the applicant shall cancel that portion of the POU of GR 2352 that this GR Mod is transferring to the City, subject to this GR Mod being satisfactorily and favorably issued. If this GR Mod, the transfer of certificate 47073, and the partial cancellation of GR 2352 are all taken into account, no enlargement of the right can occur by continuing to irrigate the FROM lands.

The proposed POU shall be the City of Sublimity. Joan Smith of the Transfer Section said a map of the new POU would not be needed because the intended use is municipal within the City of Sublimity.

The rate being transferred by this GR Mod should be the ratio of the acres being transferred to the total acres of GR 2353. The rate should be 54.0 gallons per minute (GPM) [= 250 GPM x (30.7 ac / 142 ac)].

The full duty (volume) should be transferred to the City of Sublimity for the irrigation season. This is especially applicable in this situation because the current land owners had multiple sources and multiple layered rights (said GR 2352 and cert. 47073) which ensured to the current landowner that the full duty could be delivered and used as needed. Therefore, the full 2.5 AF/acre duty is what is intended to be transferred to the City of Sublimity; and the combined duty for this application and the concurrent transfer of supplemental portion of certificate 47073 should be 76.75 acre-feet (AF) [= 2.5 AF/ac X 30.7ac].

If you need additional space, continue on a separate piece of paper and attach to the application as "Attachment 1".

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

Check One Box

- By signing this application, I understand that, upon receipt of the draft preliminary determination and prior to Department approval of the transfer, I will be required to provide landownership information and evidence that I am authorized to pursue the transfer as identified in OAR 690-380-4010(5); **OR**
- I affirm the applicant is a municipality as defined in ORS 540.510(3)(b) and that the right is in the name of the municipality or a predecessor; **OR**
- I affirm the applicant is an entity with the authority to condemn property and is acquiring by condemnation the property to which the water right proposed for transfer is appurtenant and have supporting documentation.

I understand that prior to Department approval of the transfer application, 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 water right 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: NA.

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



Tom Schumacher, Trustee Tom Schumacher, trustee 7-3-17
Applicant signature Print Name (and Title if applicable) Date

Applicant signature Print Name (and Title if applicable) Date

Is the applicant the sole owner of the land on which the water right, or portion thereof, proposed for transfer is located? Yes No *If NO, include signatures of all deeded landowners (and mailing and/or e-mail addresses if different than the applicant's) or attach affidavits of consent (and mailing and/or e-mail addresses) from all landowners or individuals/entities to which the water right(s) were conveyed.*

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Check the appropriate box, if applicable:

Check here if the ground water registration proposed for modification is or will be located within or served by an irrigation or other water district.

IRRIGATION DISTRICT NAME NA	ADDRESS	
CITY	STATE	ZIP

Check here if water for the ground water registration is supplied under a water service agreement or other contract with a federal agency or other entity.

ENTITY NAME NA	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 City of Sublimity	ADDRESS 245 Silverton Road	
CITY Sublimity	STATE OR	ZIP 97305

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

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Part 4 of 4 – Ground Water Registration Information

Please use a separate Part 4 for each registration being modified. See instructions on page 5, to copy and paste additional Part 4s, or to add additional rows to tables within the form.

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

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

POA Name or Number	Is this POA Authorized by the registration or is it Proposed?	OWRD Well Log ID# (or Well ID Tag # L-_____)	Twp		Rng		Sec	¼ ¼		Tax Lot, DLC or Govt Lot	Measured Distances (from a recognized survey corner)
Well#3	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	MARI 9170	8	S	1	W	35	NW	NW	600*	730' S & 170' E of NW S35**
Well#2	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	MARI 9167	8	S	1	W	35	SW	NW	300*	1325' N & 2474' E to N1/4 S35***
Subl W#1	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	MARI 9149	8	S	1	W	34	SE	SE	700 S34CA	1330'S & 1250' W of E1/4 S34
Subl W#2	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	MARI 9142	8	S	1	W	34	NE	SW	101 S34DC	340' S & 3040' W of E1/4 S34
Subl W#3	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	MARI 9147	8	S	1	W	34	SE	SE	2000 S34D	2000'S & 880' W of E1/4 S34
Subl W#4	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	MARI 9172	8	S	1	W	35	SW	NE	1500 S35	100' N & 2920' E of E1/4 S34

NOTES:

*tax lot 600 of tax map for S35; and tax lot 300 of tax map for S35(BC) both of T8S, R1W.

** per Final Proof Survey for cert. 47073

*** per GR 2353 (Note WRIS summary says “from” instead of “to”)

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

- | | |
|--|---|
| <input checked="" type="checkbox"/> Place of Use (POU) | <input checked="" type="checkbox"/> Point of Appropriation (well) (POA) |
| <input checked="" type="checkbox"/> Character of Use (USE) | <input type="checkbox"/> Additional Point of Appropriation (APOA) |

Will all of the proposed changes affect the entire ground water registration?

- 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 registration to be changed.

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Please use and attach additional pages of Table 2 as needed.
See page 5 for instructions.

Do you have questions about how to fill-out the tables?
Contact the Department at 503-986-0900 and ask for Transfer

Table 2. Description of Modifications to Registration GR-2353 (Certificate # GR-2235)

List only the part of the registration that will be modified. For the acreage in each ¼ ¼, list the modification proposed. If more than one modification, specify the acreage associated with each modification. If more than one POA, specify the acreage associated with each POA.

AUTHORIZED (the "from" or "off" lands) The listing that appears in the registration BEFORE PROPOSED CHANGES List only that part or portion of the groundwater registration 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	¼	¼	Tax Lot	Gvt Lot or DLC	Acres	Type of USE listed on Certificate	POA(s) (name or number from Table 1)	Priority Date	Twp	Rng		Sec	¼	¼	Tax Lot	Gvt Lot or DLC	Acres	New Type of USE	POA(s) to be used (from Table 1)	Priority Date			
8	S	1	W	35	NE	NW	601	NA	2.8	IRRIG	Wells 2,3	1968	POA/	*	*	*	*	*	*	*	*	30.7	MUNI	**	1968
8	S	1	W	35	NW	NW	601	NA	14.5	IRRIG	Wells 2,33	1968	POA												
8	S	1	W	35	SW	NW	601	NA	9.9	IRRIG	Wells 2,3	1968	POA												
8	S	1	W	35	SE	NW	601	NA	3.5	IRRIG	Wells 2,3	1968	POA												
TOTAL ACRES									30.7	TOTAL ACRES										30.7					

Additional remarks: *The new POU will be the City of Sublimity. **All four Sublimity wells in Table 1 above. Well#2 is currently authorized for Irrig. on the 36.1 acres per GR 2353. T-12456 added Well#3 as a new POA for GR2353 for the area depicted. Once that GR Mod is finalized this GR Mod will change the 30.7 acre portion to municipal use within the City of Sublimity using their four wells. Well #3 is currently listed for Suppl. Irrig. on the same 36.1 acre per certificate 47073. Note this area was once 36.1 acres but it has been reduced to 30.7 acres due to non-use via a subdivision and an expanded parking lot area.

1
1
2
7
2
1

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Groundwater Registration # GR-2353 (Certificate # GR-2235)

For a modification in place of use or character of use:

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

If YES, list the other certificate, water use permit, or other ground water registration numbers:
CERTIFICATE 47073, GR2352. NOTE 47073 IS CURRENTLY ALSO BEING TRANSFERRED TO MUNICIPAL USE.



Pursuant to OAR 690-382-0200, any “layered” water use, such as an irrigation right that is supplemental to a primary irrigation right proposed for transfer, must be concurrently transferred with the registration or be cancelled. Any change to a water right must be filed separately in a transfer application. Any change to a water use permit must be filed separately with a permit amendment. Any modification to a ground water registration on the “to” lands must be filed separately with a ground water registration modification.

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

- Well log(s) are attached for each well that are clearly labeled and associated with corresponding well(s) in Table 1 above and on the accompanying application map. **RECEIVED BY OWRD**
 (Tip: You may search for well logs on the Department’s web page at: http://apps.wrd.state.or.us/apps/gw/well_log/) **JUL 18 2017**

AND/OR

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- 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.

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 adequate information is likely to delay the processing of your modification 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	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#3	Yes	MARI 9170	300'	21 ¼"	0.5 to 59.5	59'	unknown	93'	basalt	Full rate
Well#2	Yes	MARI 9167	240'	unknown	unknown	unknown	unknown	unknown	basalt	Full rate
Subl W#1	Yes	MARI 9149	370'	8"	0-210'	unknown	unknown	96.6	basalt	Full rate
Subl W#2	Yes	MARI 9142	317'	10"	0-191'	75-191'	unknown	68'	basalt	Full rate

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	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
Subl W#3	Yes	MARI 9147	265'	10.75"	0.67-171'	0-171'	unknown	80	basalt	Full rate
Subl W#4	Yes	MARI 9172	595'	8"	0-476'	0-476'	?-280'	220'	basalt	Full rate

Notes:

- See Attachment "C" showing Groundwater Section review by Dennis Orłowski and Aurora Bouchier.
- All data in Table 3 is interpreted from the well logs.

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STATE ENGINEER
Salem, Oregon

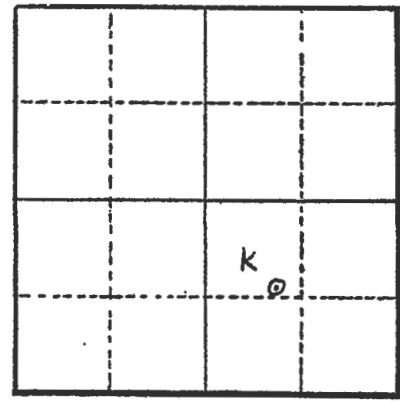
9144
Well Record

ATTACH B 1/11
STATE WELL NO. 8/1W-34K(1)
COUNTY Marion
APPLICATION NO. GR-323

OWNER: Town of Sublimity
MAILING ADDRESS: City Hall
CITY AND STATE: Sublimity, Oregon

LOCATION OF WELL: Owner's No. 1
NW 1/4 SE 1/4 Sec. 34 T. 8 N. S. R. 1 W., W.M.

Bearing and distance from section or subdivision corner 21.45 chains North and 22.7 chains West from the SE corner of Section 34, Lot 8, Block 2, Sublimity, Oregon



Altitude at well 550 feet Interpolated

TYPE OF WELL: Drilled Date Constructed Mar. 1948

Depth drilled 370 Depth cased 210

Section 34

CASING RECORD:

8-inch casing set from 0 to 210 feet
rock wall - 210 to 370 feet

FINISH:

unknown

AQUIFERS:

basalt from 212 to 370 feet

WATER LEVEL:

68 feet below land surface

PUMPING EQUIPMENT: Type _____ H.P. _____
Capacity _____ G.P.M.

WELL TESTS:

Drawdown 7 ft. after _____ hours pumping 90 G.P.M.
Drawdown _____ ft. after _____ hours _____ G.P.M.

USE OF WATER Municipal 90 gpm Temp. _____ °F. _____, 19____

SOURCE OF INFORMATION GR-305

DRILLER or DIGGER _____

ADDITIONAL DATA:

Log yes Water Level Measurements _____ Chemical Analysis _____ Aquifer Test _____

REMARKS:

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B²/11

STATE ENGINEER RECEIVED BY OWRD
Salem, Oregon

State Well No. 8/1W-34K(1)

JUL 18 2017

County Marion

Application No. GR-323

SALEM, OR Well Log

Owner: Town of Sublimity Owner's No. #1

Driller: Date Drilled March 1948

CHARACTER OF MATERIAL	(Feet below 'and surface)		Thickness (feet)
	From	To	
Soil, top & clay, red	0	21	21
Clay, yellow	21	50	29
Clay, blue	50	60	10
Clay, yellow	60	90	30
Clay, with scattered rock	90	110	20
Clay, yellow	110	118	8
Clay, blue	118	125	7
Clay, gray	125	140	15
Clay, red - scattered gravel (?) (contact?)WSB	140	158	18
Clay, brown	158	170	12
Conglomerate (contact) ? WSB	170	198	18
Rock, gray	198	212	14
Rock, black	212	232	20
Rock, black lava	232	264	32
Rock, gray	264	270	6
Clay, blue & brown	270	279	9
Rock, black porous	279	294	15
Rock, black	294	347	53
Rock, black hard	347	356	9
Rock, Black	356	370	14

T012721

STATE ENGINEER
Salem, Oregon RECEIVED BY OWRD

State Well No. 8/W-34K(1)

County MARION

JUL 18 2017

Application No. GR-323

Water Level Record

B³/11

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OWNER: TOWN OF SUBLIMITY OWNER'S NO. _____

Description of measuring point: OWNERS AIRLINE & GAGE SET 1' ABOVE LSD LENGTH - 190'

Date	Water Level Feet (above) (below) Land Surface	Remarks	Date	Water Level Feet (above) (below) Land Surface	Remarks
3-29-61	70.1	WSB 592637 METER			
7-28-61	82.7	WSB 671223.6 "			
1-30-62	96.6	MR. - 756723 RD PUMPING			

REMARKS: _____

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M17 (9.142)

B4/11

File Original and First Copy with the STATE ENGINEER, SALEM, OREGON

MAR 3 1961

WATER WELL REPORT STATE OF OREGON

State Well No. 8/1W-34L

State Permit No.

(1) OWNER: SALEM, OREGON Name Town of Sublimity Address Sublimity, Oregon

(11) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? [X] Yes [] No If yes, by whom? Drillers Yield: 150 gal./min. with 49 ft. drawdown after 8 hrs.

(2) LOCATION OF WELL: County Marion Owner's number, if any-- NE 1/4 SW 1/4 Section 34 T. 8 S R. 1 W W.M. Bearing and distance from section or subdivision corner 2300 ft. north & 2175 ft. east from S.W. corner of Sec. 34, T. 8 S. R. 1 W., of W.M.

Baller test 70 gal./min. with 100 ft. drawdown after 20 mins. Artesian flow g.p.m. Date Temperature of water 52 Was a chemical analysis made? [] Yes [X] No

(3) TYPE OF WORK (check): New Well [X] Deepening [] Reconditioning [] Abandon [] If abandonment, describe material and procedure in Item 11.

(12) WELL LOG: Diameter of well 10 inches. Depth drilled 317 ft. Depth of completed well 317 ft.

(4) PROPOSED USE (check): Domestic [] Industrial [] Municipal [X] Irrigation [] Test Well [] Other [] (5) TYPE OF WELL: Rotary [] Driven [] Cable [X] Jetted [] Dug [] Bored []

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

(6) CASING INSTALLED: Threaded [] Welded [X] 10" Diam. from 0 ft. to 190 ft. Gage .280

Table with columns MATERIAL, FROM, TO. Rows include soil types like Top soil-br., Dirt-br., Clay-br., etc.

(7) PERFORATIONS: Perforated? [] Yes [X] No Type of perforator used SIZE of perforations in. by in.

(8) SCREENS: Well screen installed [] Yes [X] No Manufacturer's Name Type Model No. Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION: Was well gravel packed? [] Yes [X] No Size of gravel: Gravel placed from ft. to ft. Was a surface seal provided? [X] Yes [] No To what depth? ft. Material used in seal-- Concrete from 74 ft. to 190 ft. Did any strata contain usable water? [X] Yes [] No from 0 to 74 ft. Type of water? Depth of strata Method of sealing strata off

(10) WATER LEVELS: Static level 68 ft. below land surface Date 10/21/60 Artesian pressure lbs. per square inch Date Log Accepted by: [Signed] (Owner) Date

(13) PUMP: RECEIVED BY OWRL Manufacturer's Name Type: JUL 18 2017

Well Driller's Statement: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME R. Stadel & Sons (Person, firm, or corporation) (Type or print) Address Rte. 3, Box 169, Silverton, Oregon Driller's well number [Signed] Paul R. Stadel (Well Driller) License No. 296 Date March 29, 1960

RECEIVED

MAR 3 1961

WATER WELL REPORT #

File Original and First Copy with STATE ENGINEER SALEM, OREGON

STATE ENGINEER SALEM, OREGON

STATE OF OREGON

State Well No. 811W-346

State Permit No. B5/11

(1) OWNER: Name Town of Sublimity Address Additional-sheet.

(2) LOCATION OF WELL: County Owner's number, if any- 1/4 1/4 Section T. R. W.M. Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check): New Well [] Deepening [] Reconditioning [] Abandon [] If abandonment, describe material and procedure in Item 11.

PROPOSED USE (check): Domestic [] Industrial [] Municipal [] Irrigation [] Test Well [] Other [] (5) TYPE OF WELL: Rotary [] Driven [] Cable [] Jetted [] Dug [] Bored []

(6) CASING INSTALLED: Threaded [] Welded [] Diam. from ft. to ft. Gage

(7) PERFORATIONS: Perforated? [] Yes [] No Type of perforator used SIZE of perforations in. by in. perforations from ft. to ft.

(8) SCREENS: Well screen installed [] Yes [] No Manufacturer's Name Type Model No. Slot size Set from ft. to ft.

(9) CONSTRUCTION: Was well gravel packed? [] Yes [] No Size of gravel: Gravel placed from ft. to ft. Was a surface seal provided? [] Yes [] No To what depth? ft. Material used in seal- Did any strata contain unusable water? [] Yes [] No Type of water? Depth of strata Method of sealing strata off

(10) WATER LEVELS: Static level ft. below land surface Date Artesian pressure lbs. per square inch Date Log Accepted by: [Signed] Date, 19. (Owner)

(11) WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? [] Yes [] No If yes, by whom? Yield: 260 gal./min. with 104 ft. drawdown after 8 hrs.

(12) WELL LOG: Diameter of well 10 inches. Depth drilled 317 ft. Depth of completed well 317 ft. Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

Table with columns MATERIAL, FROM, TO. Entries include Rock-very hard, dark grey (275-312), Rock-very hard, black (312-317), Water at 200 ft., 230 ft. to 250 ft., & 312 ft. to 314 ft., 12" hole was drilled to 190' - 08" & 10" casing set that far, and cemented. Cement jarred loose or ~~developed~~ developed a leak from drilling & then a 2 1/2" hole was drilled on the outside of casing to 185 ft., cleaned out & cemented up to 74 ft. from surface.

RECEIVED BY OWRS

JUL 18 2017

SALEM, OR

Work started 19 Completed 19

(13) PUMP: Manufacturer's Name Type H.P.

Well Driller's Statement: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME (Person, firm, or corporation) (Type or print) Address Driller's well number [Signed] (Well Driller) License No. Date, 19.

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

RECEIVED
AUG 5 1964
STATE ENGINEER

WATER WELL REPORT M 1 ?
9.147
State Well No. 8/1W-34R
State Permit No.

B 6/11

(1) OWNER:

Name Marion Home
Address Sublimity, Oregon

(2) LOCATION OF WELL:

County Marion Driller's well number 8/1W-34R
1/4 Section T. R. W.M.
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
Abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) TYPE OF WELL:

Rotary Driven
Cable Jetted
Dug Bored

(6) CASING INSTALLED:

Threaded Welded
10 3/4" Diam. from 2/3 to 171 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:

Perforated? Yes No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS:

Well screen installed? Yes No
Manufacturer's Name
Type Model No.
Slot size Set from ft. to ft.
Slot size Set from ft. to ft.

(9) CONSTRUCTION:

Well seal—Material used in seal Bentonite clay & drill
Depth of seal 171 ft. Was a packer used? no
Diameter of well bore to bottom of seal 13 to 80ft.
Were any loose strata cemented off? Yes No Depth
Was a drive shoe used? Yes No
Was well gravel packed? Yes No Size of gravel:
Gravel placed from ft. to ft.
Did any strata contain unusable water? Yes No
Type of water? depth of strata
Method of sealing strata off

(10) WATER LEVELS:

Static level 80 ft. below land surface Date 8-3-64
Artesian pressure lbs. per square inch Date

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom? Stettler
Yield: 200 gal./min. with 17 ft. drawdown after 1 hrs.
" 300 " " 33 " 1 "
" 420 " " 84 " 2 "
Baller test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes No

(12) WELL LOG:

Diameter of well below casing 10

Depth drilled 265 ft. Depth of completed well 265 ft.

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top soil	0	2
Yellow clay	2	80
Clay yellow, L grey, dk grey and red	80	170
Basalt badly broken up with volcanic ash imbedded in the seams.	170	265
Hole raveled in badly at	200	210
Do not recommend pump set below 175 ft.		

RECEIVED BY OWRD

JUL 18 2017

SALEM, OR

Work started 7-13 1964 Completed 8-3-64 19
Date well drilling machine moved off of well 8-4-64 19

(13) PUMP:

Manufacturer's Name
Type: H.P.

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Harry A. Robinson (Person, firm or corporation) (Type or print)

Address 2214 Front St., NE Salem, Ore.

Drilling Machine Operator's License No. 63

[Signed] Harry A. Robinson (Water Well Contractor)

Contractor's License No. 22 Date 8-4-64, 19

JAN 27 1989

RECEIVED 9172

MARI 9172
MI 31 June 8/12/85 ac
B 7/11

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

WATER RESOURCES DEPT.
SALEM, OREGON

JAN 10 1989

SC 3023

(1) OWNER: Well Number: _____
Name City of Sublimity c/o Robert Gorman
Address 349 SW Division St.
City Sublimity State OR Zip 97385

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

(3) DRILL METHOD
 Rotary Air Rotary Mud Cable
 Other _____

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Other _____

(5) BORE HOLE CONSTRUCTION:
1 Construction approval Yes No Depth of Completed Well 595 ft.
Explosives used Yes No Type _____ Amount _____

HOLE		SEAL		Amount	
Diameter	From To	Material	From To	sacks or pounds	
2"	0 476	neat cement	262	0	118 sacks
8"	476	595			

How was seal placed: Method A B C D E
 Other _____
Backfill placed from 265 ft. to 262 ft. Material sand #8
Gravel placed from 476 ft. to 265 ft. Size of gravel 1/2" round

Diameter	From	To	Gauge	Steel				Welded		Threaded	
				Plastic	Welded	Threaded	Plastic	Welded	Threaded		
Casing: 8"	+1	476	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Final location of shoe(s) 476'

(6) CASING/LINER:

Perforations Method Holt air perf.
 Screens Type 3/8"x1 1/2" Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
0'	280	1/4"	4560	8"	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing Artesian
Yield gal/min Drawdown Drill stem at Time
pump 600 33 450' 8hrs.
air 400 470' 1hr.
Temperature of water _____ Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
Township 8S N or S, Range 1W E or W, WM.
Section 35 SW 1/4 NE 1/4
Tax Lot _____ Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) 8280 Boedigheimer Rd SE Sublimity, OR 97385

(10) STATIC WATER LEVEL:
220' ft. below land surface. Date 12-27-88
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 275'

From	To	Estimated Flow Rate	SWL
261'	317'	300 gpm	220
360'	470'	200 gpm	220
520'	570'	200 gpm	220

(12) WELL LOG: Ground elevation _____

Material	From	To	SWL
Top soil	0	6	
Clay red loose	6	14	
Clay grey loose	14	25	
Clay blue sticky	25	47	
Sandstone soft decomposed grey	47	63	
Basalt fractured black	63	64	
Decomposed sandstone grey with streaks of hard green sandstone	64	118	
Basalt black broken	118	123	
Basalt grey hard	123	165	
Basalt black broken	165	167	
Basalt grey hard	167	192	
Wood black soft	192	194	
Basalt grey hard	194	207	
Clay grey soft	207	216	
Claystone grey hard	216	222	
Basalt grey hard	222	238	
Basalt grey broken	238	241	
Basalt grey hard	241	255	
Clay grey soft	255	261	
Basalt semi-hard fract. black	261	307	WB 220
Marine sed. fract. soft	307	309	WB 220
Basalt grey soft w/ green	309	317	WB 220

Date started 11-16-88 Completed 12-27-88

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
Signed Daniel J. Drott WWC Number 1487
Date 1-18-89

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
Signed [Signature] WWC Number 723
Date 1-18-89

1 12721

JAN 27 1989

RECEIVED MARI 9172

JAN 19 1989

9173 8/10/500 B 8/11

STATE OF OREGON WATER RESOURCES DEPT. WATER WELL REPORT SALEM, OREGON (as required by ORS 537.765)

(1) OWNER: Name City of Sublimity-CONTINUATION Well Number: SALEM, OREGON

(2) TYPE OF WORK: New Well Deepen Recondition Abandon

(3) DRILL METHOD: Rotary Air Rotary Mud Cable Other

(4) PROPOSED USE: Domestic Community Industrial Irrigation Thermal Injection Other

(5) BORE HOLE CONSTRUCTION: Construction approval Depth of Completed Well Explosives used

Table with columns: HOLE Diameter, SEAL From, To, Material, Amount sacks or pounds

How was seal placed: Method A B C D E Backfill placed from Gravel placed from

Table for (6) CASING/LINER: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded

Final location of shoe(s)

PERFORATIONS/SCREENS: Perforations Method Screens Type Material

Table for perforations: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner

(8) WELL TESTS: Minimum testing time is 1 hour Pump Bailer Air Artesian Yield gal/min Drawdown Drill stem at Time

Temperature of water Depth Artesian Flow Found Was a water analysis done? Did any strata contain water not suitable for intended use? Salty Muddy Odor Colored Other

(9) LOCATION OF WELL by legal description: County Latitude Longitude Township N or S, Range E or W, WM. Section 1/4 1/4 Tax Lot Lot Block Subdivision Street Address of Well

(10) STATIC WATER LEVEL: ft. below land surface. Date Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES: Depth at which water was first found

Table for water bearing zones: From, To, Estimated Flow Rate, SWL

(12) WELL LOG: Ground elevation

Table for well log: Material, From, To, SWL. Includes entries like Basalt black hard w/ frac strks, Basalt hard grey w/ soft strks, etc.

RECEIVED BY OWRD

JUL 18 2017

SALEM, OR

Date started Completed

(unbonded) Water Well Constructor Certification: I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards.

(bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above.

NO 3023
RECEIVED

"START CARD"
NOTICE OF BEGINNING OF WELL CONSTRUCTION
(as required by ORS 537.762)

JUL 27 1988

WATER RESOURCES DEPT.
SALEM, OREGON

This form must be completed, signed by both the owner (or authorized agent) and constructor, and the original delivered to the Water Resources Department prior to commencement of construction, alteration or abandonment of each well.

Owner's Name and Mailing Address City of Sublimity c/o Robert Gorman
349 SW Division St.
Sublimity, OR 97385

RECEIVED BY OWRD

Proposed Commencement Date 1-10th of AUG 1988 JUL 18 2017

Proposed Well Depth 300-400, Diameter 8"-12"
and Use: Domestic Community Industrial Irrigation
 Thermal Injection Other _____
SALEM, OR

Proposed Well Location: County MARION
Township 8S (N or S) Range 1W (E or W) Section 35

At least 2 of these must be provided

1. SW 1/4 of NE 1/4 of above section
2. street address of well location 8280 Bredigheimer Rd S.E
Sublimity, OR 97385
3. tax lot number of well location _____
4. attach approved map with location identified.
(see reverse of this form for approved maps)

We hereby certify that we have read the back of this form, and that to the best of our knowledge the information provided herein is accurate and the well is being properly located from septic tanks and septic drain fields.

x City of Sublimity, OR
Owner's Signature

x [Signature]
Bonded Water Well Constructor

by Robert P. Gorman, City Engr.
Title

License No. 723

July 20, 1988
Date

Company STACO

Note: This is not a Water Right application. The owner is responsible for obtaining a Water Right through the Water Resources Department if required.

STATE ENGINEER
Salem, Oregon

M 9/16/17

Well Record

STATE WELL NO. 8/1W-35bc
COUNTY Marion
APPLICATION NO. GR-2353

OWNER: Hilda Schumacher

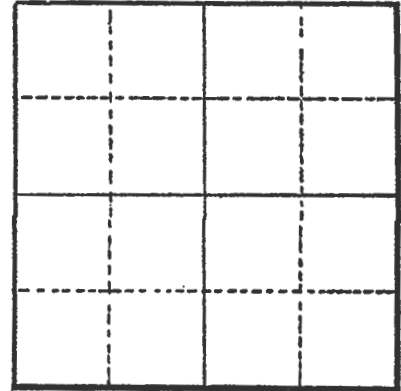
MAILING ADDRESS: B 10/11

LOCATION OF WELL: Owner's No.

CITY AND STATE: Sublimity, Oregon

SW 1/4 NW 1/4 Sec. 35 T. 8 N. S., R. 1 E. W.M.

Bearing and distance from section or subdivision corner North 1325 feet and East 2474 feet



Section

Altitude at well

TYPE OF WELL: Drilled Date Constructed 1952

Depth drilled 240 Depth cased 100 and 240

CASING RECORD:

8-inch
8-inch

RECEIVED BY OWRD
JUL 18 2017

FINISH:

SALEM, OR

AQUIFERS:

WATER LEVEL:

83 feet

PUMPING EQUIPMENT: Type U. S. pump H.P. 25
Capacity 250 G.P.M.

WELL TESTS:

Drawdown 82 ft. after hours pumping 257 G.P.M.
Drawdown 64 ft. after hours pumping 230 G.P.M.

USE OF WATER Irrigation Temp. °F. 19

SOURCE OF INFORMATION GR-2235

DRILLER or DIGGER Burt Smith, Sublimity, Oregon

ADDITIONAL DATA:

Log Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

NOTICE TO WATER WELL CONTRACTOR
The original and first copy
of this report are to be
filed with the

RECEIVED
DEC 5 1967

WATER WELL REPORT

(9/170)

B 11/11

STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date
of well completion.

STATE OF OREGON

STATE ENGINEER
SALEM OREGON

(Please type or print)
(Do not write above this line)

State Well No. 8/1W-35D

State Permit No. _____

G-4426

(1) OWNER:

Name Robert J. Schumacher
Address Rt. 1 Box 34
Sublimity, Ore.

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Driven
Cable Jetted
 Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) CASING INSTALLED:

Threaded Welded
123/4 Diam. from 1/2 ft. to 59 1/2 ft. Gage 250
" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____

(6) PERFORATIONS:

Perforated? Yes No.

Type of perforator used _____

Size of perforations in. by in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? Yes No

Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(8) WATER LEVEL: Completed well.

Static level 93 ft. below land surface Date 9/1/67
Artesian pressure _____ lbs. per square inch Date _____

(9) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom? Stettler
Flow: 800 gal./min. with 107 ft. drawdown after 1 1/2 hrs.
" 710 " " 89 " " 1 1/2 "
" 600 " " 82 " " 1 1/2 "
Baller test 500 gal./min. with 60 ft. drawdown after 1 1/2 hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

(10) CONSTRUCTION:

Well seal—Material used Cement Grout
Depth of seal 59 ft.
Diameter of well bore to bottom of seal 16 in.
Were any loose strata cemented off? Yes No Depth _____
Was a drive shoe used? Yes No
Did any strata contain unusable water? Yes No
Type of water? _____ depth of strata _____
Method of sealing strata off _____
Was well gravel packed? Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

(11) LOCATION OF WELL:

County Marion Driller's well number 8/1W-35D
1/4 1/4 Section T. R. W.M.
Bearing and distance from section or subdivision corner _____

(12) WELL LOG:

Diameter of well below casing 113/4

Depth drilled 300 ft. Depth of completed well 300 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Red clay	0	5	
Yellow clay	5	10	
White clay	10	20	
Yellow clay	20	26	11ft
Grey welded tuffs	26	56	
Basalt -hard	56	110	
Basalt-vesicular	110	117	93ft
Basalt very hard	117	140	
Basalt vesicular	140	185	
Basalt very hard	185	235	
Basalt vesicular	235	260	
Basalt very hard	260	274	
Basalt very hard	274	300	

RECEIVED BY OWRC

JUL 18 2017

SALEM, OR

Work started 10/16/67 19 Completed 12/1/67 19

Date well drilling machine moved off of well 12/1/67 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Harry A. Robinson Date 12-5-67, 1967
(Drilling Machine Operator)

Drilling Machine Operator's License No. 63

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Harry A. Robinson
(Person, firm or corporation) (Type or print)

Address 2214 Front St. NE Salem, Ore.

[Signed] Harry A. Robinson
(Water Well Contractor)

Contractor's License No. 22 Date 12/5/67, 1967

ericurstadt@hotmail.com

From: Eric Urstadt
Sent: Tuesday, November 15, 2016 1:39 PM
To: BOUCHIER Aurora C
Cc: 'David & Sue'
Subject: RE: Potential to transfer Schumacher Well #3 to Sublimity - Groundwater Section Perspective

Follow Up Flag: Follow up
Flag Status: Flagged

Aurora,
I've been told that Dave Schumacher had called you about this question. I've been out of town, but I am back.

I've tabulated some data that might help...

- The data on the Sublimity wells is from their City Engineer's report.
- The data on the Schumacher well came from your email (MARI 9170)

I suspect that the City has been doing some well monitoring since the Engineer's Report recommends that it get done. I don't know how often the monitoring is done. The data of yours does not have a measurement for 10/2015, but one would think that the 10/2015 elevation would be at the well end of the SWL elevation cycle due to the irrigation and dry summer just proceeding that month.

Based on this it seems sensible (to me) that the wells are likely within the same aquifer, and it seems worthwhile to keep pursuing this question.

I have not looked into the relative locations of the wells.

When you get time please let me know how things are looking for this issue.

Sublimity City Wells			
Well #*	Site Elev** (MSL)	SWL 10/2015**	AMSL 10/2015**
1	556	168	388
2	541	141	400

RECEIVED BY OWRD

JUL 18 2017

1 SALEM, OR

12721

ATTACH C 1/8

3	542	131	411
4	645	247	398

Schumacher Well #3			
Well #	Site Elev	SWL	AMSL***
MARI			
9170 - Well#3	?	93 (original)	260-420

Notes:

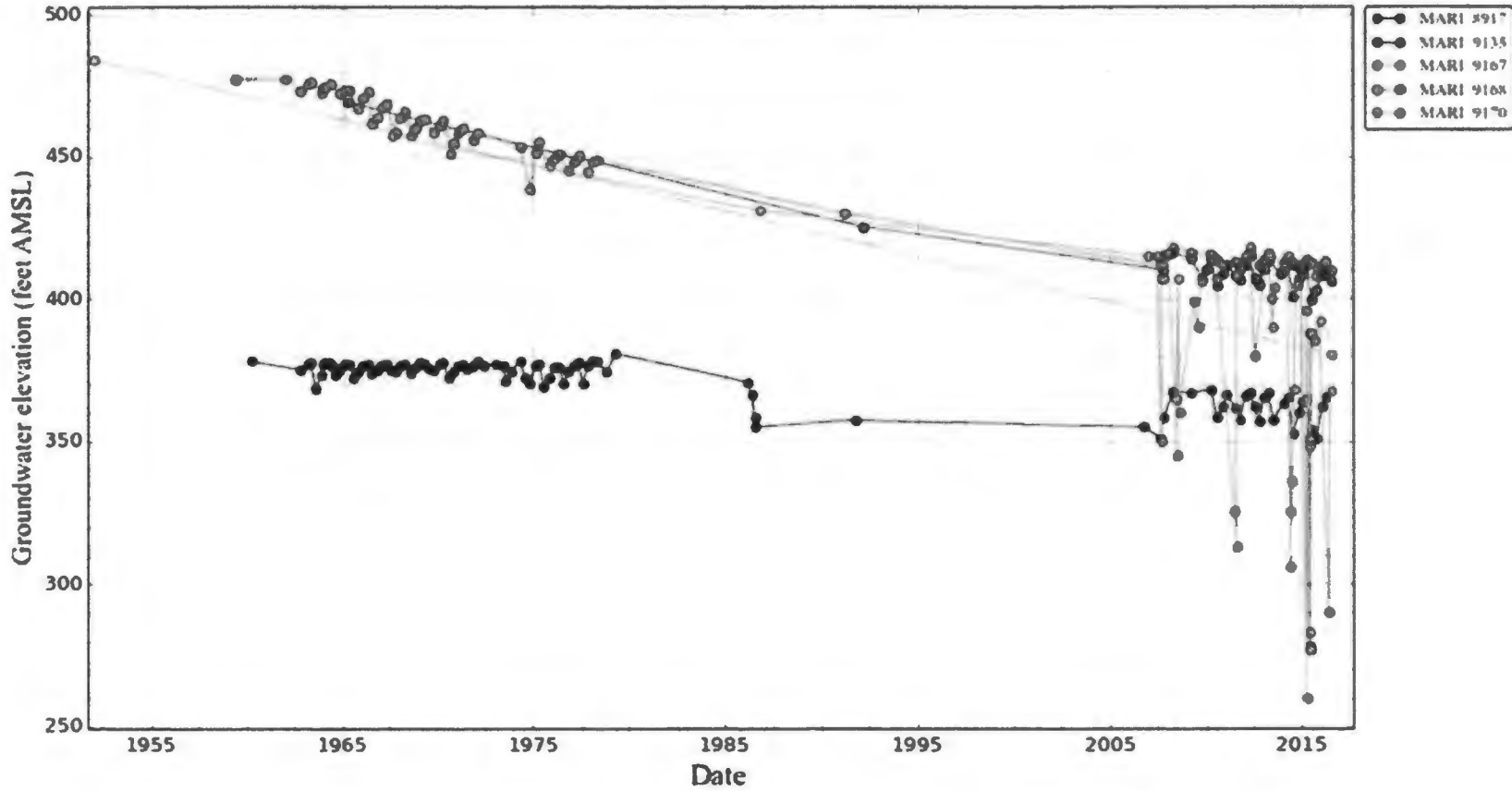
- * <https://yourwater.oregon.gov/inventory.php?pwsno+00844> - OR41 00844 Sublimity City Well Log Data
- ** City of Sublimity Water System Water Source Summary 2016 by Edwards Butts, PE.
- *** email from aurora.c.bouchier@state.or.us, Wednesday, July 13, 2016 2:49 PM
- SWL = feet below ground of static water level
- MSL = Elevation of ground at well in feet above mean sea level
- AMSL = Elevation of static water in well in feet above MSL

T 12721

RECEIVED BY OWRD
 JUL 18 2017
 SALEM, OR

C 2/B

Observation Well Data



RECEIVED BY OWRD

JUL 18 2017

SALEM, OR

T 12721

ericurstadt@hotmail.com

From: ORLOWSKI Dennis R * WRD <Dennis.R.Orlowski@oregon.gov>
Sent: Monday, December 05, 2016 4:30 PM
To: David & Sue
Cc: Urstadt Eric; Tom; Schumacher Tom; Schumacher Brian; BOUCHIER Aurora C * WRD
Subject: RE: Potential to transfer Schumacher Well #3 to Sublimity - Groundwater Section Perspective

RECEIVED BY OWRD

Follow Up Flag: Follow up
Flag Status: Flagged

JUL 18 2017

SALEM, OR

Hello everyone,

I understand more information is being requested by both the Schumachers and the City of Sublimity to help decide whether or not to proceed with an application for a water rights transfer from irrigation to municipal use. I also understand that the water right being considered for transfer is Certificate 47073, which currently lists the well MARI 9170/9160 as the only source (or Point of Appropriation, POA). After reviewing available information, I can offer the following preliminary opinions and recommendations.

I agree with Aurora's previous assessment that the groundwater source at the Schumacher Well #3 (MARI 9170/9160) appears to be the same source tapped by the City of Sublimity's four wells (MARI 9149, 9142/61352, 9147, 9172).

However, although establishing that the groundwater sources are the same will help facilitate a transfer, this alone will not guarantee that the transfer will ultimately be successful. First, evaluating the sources is only part of our technical evaluation in the OWRD Groundwater Section. Our work also includes determining if the transfer will potentially injure other groundwater users; we have NOT yet done this, because frankly we need to wait until a formal transfer application, with key additional information included, has been submitted before we can complete that part of our evaluation. Secondly, there are other important steps in the water rights transfer process, such as a public comment period during which objections might be raised, potential complications in transferring an irrigation right to a municipal right, review and approval by the OWRD Water Rights Section (separate from our Groundwater Section), review and approval by other state agencies, etc.

Regarding David's question as to '...whether they can use the transfer rights to pump out of their existing wells or whether they would have to pump it out of where the well is now located'. From my preliminary evaluation, there would not be a requirement for the City 'to pump it out of where the well is now located'. That is, the transfer could be used to transfer your current 'right' to pump water from your Well #3, to the City for pumping that same amount of water from one or more of their four existing wells (this would be a change in the POA).

If I understand the rest of David's e-mail correctly, it appears as though one option is to have the City of Sublimity, through annexation, acquire your Well #3 and use that actual well as a new municipal water source (?). If this is correct, please be advised that compared to irrigation wells, there are a lot of other factors that need to be considered with wells used for public water supply systems. For instance, if Well #3 were to be considered by the City as a new

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municipal/drinking water source for them, other entities would have to become involved to ensure the safe quality of water pumped from the well, including the Oregon Health Authority, well construction staff at OWRD, and the City itself. City staff will know of these additional requirements and limitations for municipal supply wells, and Eric should also be able to help you with related questions.

To summarize, from ONLY a technical groundwater perspective, a potential transfer in use from Well #3 to one of the City's four wells appears favorable, but as you can see there would be many other factors involved before a transfer could be approved (especially if the City decides to acquire your Well #3 and use it as a municipal source). Again, please note that this is indeed preliminary, and for us to be able to move forward requires formal submission of a transfer application. Also note that Aurora and I are in the OWRD Groundwater Section, and for transfers we only provide technical support to the OWRD Water Rights Section, which is the section with the final word in any water rights matters.

My recommendation is to submit a transfer application to formally begin the process at OWRD. The application requires specific information, such as which wells (POAs) are proposed to be involved in the transfer, how much of the current water right allocation is to be transferred, etc. This information will allow us in the Groundwater Section to complete our technical evaluation. Also, once the transfer application is submitted, a case worker from the OWRD Water Rights Section will be assigned who will be able to answer any water rights-related questions you might have.

I hope this information helps in your decision-making process.

Regards,
Dennis

Dennis Orłowski | Hydrogeologist – Groundwater Section

Oregon Water Resources Department

725 Summer St. NE, Suite A
Salem, Oregon 97301
Phone: 503.986.0897 | E-Mail: dennis.r.orłowski@oregon.gov

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SALEM, OR

From: BOUCHIER Aurora C * WRD
Sent: Wednesday, November 30, 2016 1:10 PM
To: David & Sue; ORŁOWSKI Dennis R * WRD
Cc: Urstadt Eric; Tom; Schumacher Tom; Schumacher Brian
Subject: RE: Potential to transfer Schumacher Well #3 to Sublimity - Groundwater Section Perspective

1 Hi Dave,
12721 Dennis Orłowski is our hydrogeologist who will be working on this, I have included him in this email. I understand he has already been in contact with Eric Urstadt and I am not certain where that conversation stands.
1 Cheers.

Aurora Bouchier, R.G.
Hydrogeologist
Oregon Water Resources Department
725 Summer St., NE, Suite A
Salem, OR 97301-1271
503.986.0841
Aurora.C.Bouchier@wrд.state.or.us

“All the water that will ever be is, right now.” –National Geographic, October 1993

“When the well is dry, we know the worth of water.” –Benjamin Franklin, Poor Richard’s Almanack, 1746

From: David & Sue [<mailto:schumach@wvi.com>]
Sent: Wednesday, November 30, 2016 11:38 AM
To: BOUCHIER Aurora C * WRD
Cc: Urstadt Eric; Tom; Schumacher Tom; Schumacher Brian
Subject: Fw: Potential to transfer Schumacher Well #3 to Sublimity - Groundwater Section Perspective

Hi Aurora,

Just checking in with you to find out how we can obtain an answer to the transfer of our well to the City of Sublimity? Neither of us can proceed until we know whether they can use the transfer rights to pump out of their existing wells or whether they would have to pump it out of where the well is now located. Our proposal to the City includes annexation of about 10 acres of the property including the house, shop, and **the well which would the be in the City limits if approved**, not in the County. Everything hinges on this is a very important subject at this point for the Dorothy C. Schumacher Estate and our family. I hope the Oregon Water Resources Department can help with transaction as the Estate would like to see the water stay within the community for it’s long term survival.

Thank You for all your help....

Dave

From: Eric Urstadt
Sent: Tuesday, November 15, 2016 1:38 PM
To: BOUCHIER Aurora C
Cc: 'David & Sue'

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Subject: RE: Potential to transfer Schumacher Well #3 to Sublimity - Groundwater Section Perspective

Aurora,

I've been told that Dave Schumacher had called you about this question. I've been out of town, but I am back.

I've tabulated some data that might help...

- The data on the Sublimity wells is from their City Engineer's report.
- The data on the Schumacher well came from your email (MARI 9170)

I suspect that the City has been doing some well monitoring since the Engineer's Report recommends that it get done. I don't know how often the monitoring is done. The data of yours does not have a measurement for 10/2015, but one would think that think that the 10/2015 elevation would be at the well end of the SWL elevation cycle due to the irrigation and dry summer just proceeding that month.

Based on this it seems sensible (to me) that the wells are likely within the same aquifer, and it seems worthwhile to keep pursuing this question.

I have not looked into the relative locations of the wells.

When you get time please let me know how things are looking for this issue.

Sublimity City Wells			
Well #*	Site Elev** (MSL)	SWL 10/2015**	AMSL 10/2015**
1	556	168	388
2	541	141	400
3	542	131	411
4	645	247	398

Schumacher Well #3			
Well #	Site Elev	SWL	AMSL***
MARI 9170 - Well#3	?	93 (original)	260-420

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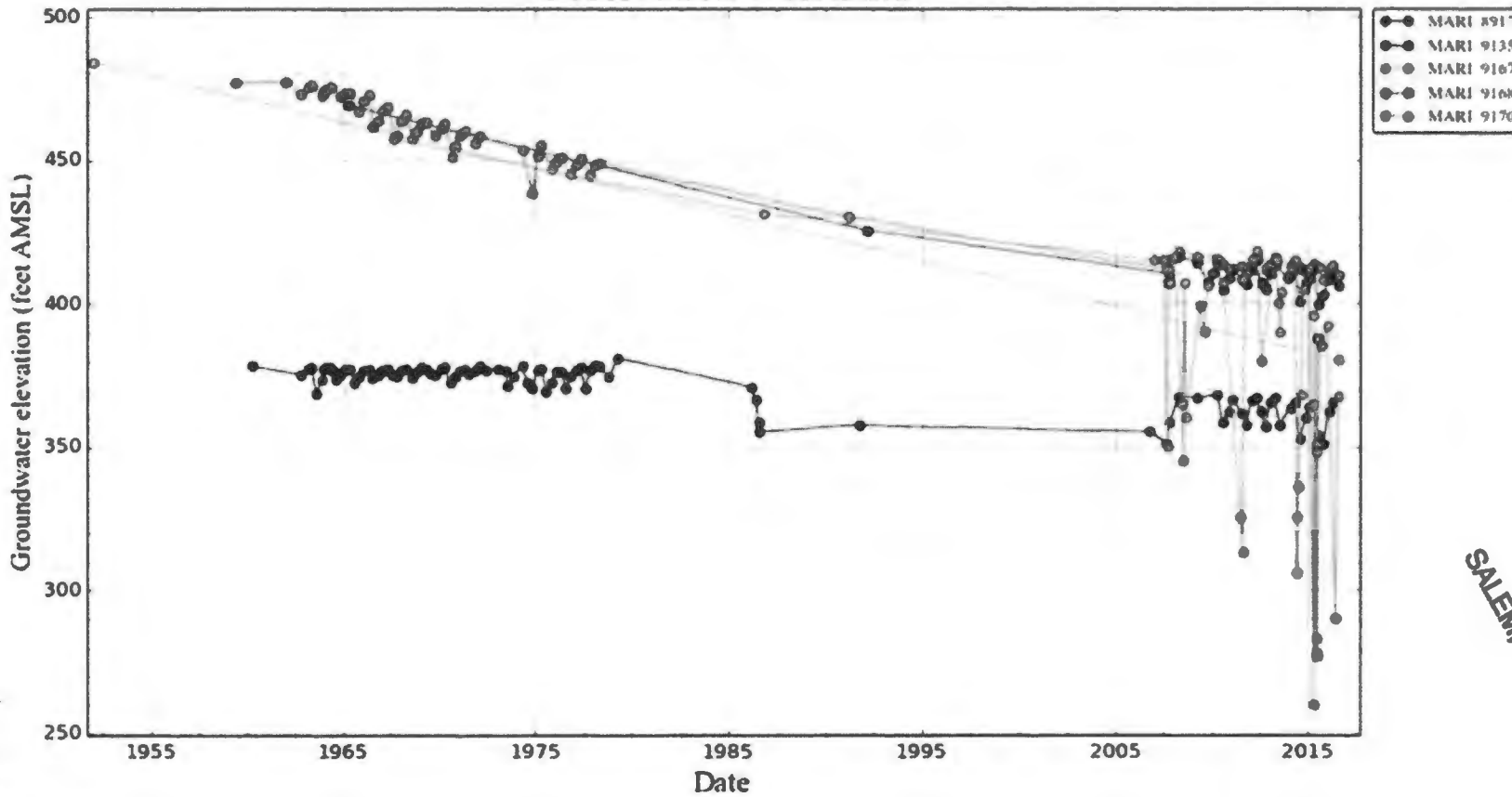
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Notes:

- * <https://yourwater.oregon.gov/inventory.php?pwsno+00844> - OR41 00844 Sublimity City Well Log Data
 - ** City of Sublimity Water System Water Source Summary 2016 by Edwards Butts, PE.
 - *** email from aurora.c.bouchier@state.or.us, Wednesday, July 13, 2016 2:49 PM
- SWL = feet below ground of static water level
MSL = Elevation of ground at well in feet above mean sea level
AMSL = Elevation of static water in well in feet above MSL

Observation Well Data



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