

Application for Groundwater Registration Modification

Part 1 of 5 - Minimum Requirements Checklist

This Groundwater 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.

| Chec | k all inc | luded with this application $(N/A = Not Applicable)$ | RECEIVED |
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| \boxtimes | | Part 1 – Completed Minimum Requirements Checklist. | AUG 22 2018 |
| \boxtimes | | Part 2 – Completed Application Map Checklist. | HOU & & LOID |
| \boxtimes | | Part 3 – Completed Applicant Information and Signature. | OWRD |
| | | Part 4 – Completed Groundwater Registration Modification Appli Registration Information. (Only one Groundwater registration per Groundwater registrations to be modified are layered). | |
| \boxtimes | | Completed Groundwater Registration Modification Application M prepared by a Certified Water Right Examiner). | lap (Does not have to be |
| \boxtimes | | Groundwater registration modification fees – Amount enclosed: \$ (\$875.00 for a place of use change only; \$1,450 for any other char | |
| | | Attachments: | |
| | ⊠ N/A | Request for Assignment Form and statutory fee. This form needs to applicant owns the land to which the registration is appurtenant and certificate holder of record. The Request for Assignment Form is a http://www.oregon.gov/owrd/pubs/docs/forms/assign.pdf , or http://www.oregon.gov/owrd/pubs/docs/forms/assign by proof.poneeded for any person or entity who can demonstrate authorization modification (e.g. legal representative, power of attorney, agent, enamed on the certificate of registration, or has been assigned to the content of the content of the certificate of registration, or has been assigned to the content of the certificate of | nd is not the registration available at df. Assignment is not not request recognition of a stc.) or the applicant is |
| \boxtimes | □ N/A | Land Use Information Form with approval and signature (or signe stub). Land use form not required if any of the following apply: | d land use form receipt |
| | | ☐ Water is to be diverted, conveyed, and/or used only on fe | ederal lands. |
| | | All of the following apply: a) a change in place of use or changes, c) the use of water is for irrigation only, and d) an irrigation district or an exclusive farm use zone. | |
| \boxtimes | □ N/A | Water Well Report/Well Log for changes in point(s) of appropriate point(s) of appropriation. | ion (well(s)) or additional |
| | Appl Land Addi | (For Staff Use Only) RETURNING YOUR APPLICATION FOR THE FOLLOWING REASON(S): ication fee not enclosed/insufficient Map not included or incomplete ! Use Form not enclosed or incomplete Assignment Form and fee not enclosed/ itional signature(s) required Part is incomplete blanation 503-986-0 Date: / / | 'insufficient |

Part 2 of 4 - Groundwater Registration Modification Map Checklist

Your Groundwater Registration Modification 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 <u>not</u> have to be prepared by a Certified Water Right Examiner. Check all boxes that apply.

| \boxtimes | | Permanent quality printed with dark ink on good quality paper. |
|-------------|-------|--|
| \boxtimes | | The size of the map can be $8\frac{1}{2} \times 11$ inches, $8\frac{1}{2} \times 14$ inches, 11×17 inches, or up to 30×30 inches. For 30×30 inch maps, one extra copy is required. |
| \boxtimes | | A north arrow, a legend, and scale. |
| \boxtimes | | The scale of the map must be: $1 \text{ inch} = 400 \text{ feet}$, $1 \text{ inch} = 1,320 \text{ feet}$, the scale of the county assessor map if the scale is not smaller than $1 \text{ inch} = 1,320 \text{ feet}$, or a scale that has been preapproved by the Department. |
| \boxtimes | | Township, Range, Section, ¼ ¼, DLC, Government Lot, and other recognized public land survey lines. |
| \boxtimes | | Tax lot boundaries (property lines) are required. Tax lot numbers are recommended. |
| \boxtimes | | Major physical features including rivers and creeks showing direction of flow, lakes and reservoirs, roads and railroads. |
| \boxtimes | | Major water delivery system features from the point(s) of appropriation such as main pipelines, canals, and ditches. |
| \boxtimes | | 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. |
| \boxtimes | | 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°). |

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Part 3 of 4 - Applicant Information and Signature

| Applicant Information PPLICANT/BUSINESS NAME | | | PHONE NO. | ADDITIONAL CONTA | ACT NO. |
|--|--|--|--|--|---|
| City of Beaverton | | | 503-526-2592 | PAYNO. | |
| DDRESS 755 SW Griffith Dr. | | | | FAX NO. | |
| 755 SW Griniui Dr. | STATE | ZIP | E-MAIL | ـــــــ قيدال ـــــ | |
| seaverton - | OR | 97005 | bbarnett@ci.beav | verton.or.us | |
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| ent Information – The age | nt is autho | rized to represe | ent the applicant in all | matters relating to this | application |
| PPLICANT/BUSINESS NAME | | | PHONE NO. | ADDITIONAL CONTA | |
| SI Water Solutions, Inc. | | | 503-239-8799 | | |
| DDRESS | | | | FAX NO. | |
| 5 SW Yamhill St. Suite 400 | | | | 503-239-8940 | |
| ITY | STATE | ZIP | E-MAIL | | |
| ortland | OR | 97204 | jmelady@gsiws.c | | OM THE |
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| EPARTMENT ELECTRONICA | ILLY, CO | PIES OF THE FI | NAL ORDER DOCUME | N18 WILL ALSO BE MA | uled. |
| Explain in your own word | ls what vo | ou propose to | accomplish with this | modification; and w | hy: |
| - | | | | | |
| This application propose | es to add | five addition | al points of approp | riation (APUAs) to | ine City of |
| Beaverton's GR-343. Tl | he five Al | POAs will uti | ilize the existing pla | ce of use (POU) aut | horized by |
| GR-343 and T-10990. | r | | | | |
| If you need additional space, co | ontinue on : | a separate niece (| of paner and attach to the | e annlication as "Attachm | ent 1". |
| ii you need additional space, et | onthine on | a scharate brece i | | | |
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| Reinvestment Act. (By signing this application Department approval of the information and evidence OR I (we) affirm the applicant the name of the municipal I (we) affirm that the applicant the property to which the condemnation and have at I understand that prior to Desubmit payment to the Depawhere the groundwater reginqualifying newspaper is available. I (we) affirm that the information and have at I (we) affirm that the information and have at I (we) affirm that the information and have at I (we) affirm that the information and have at I (we) affirm that the information and have at I (we) affirm that the information and have at I (we) affirm that the information and have at I (we) affirm that the information and have at I (we) affirm that the information and have at I (we) affirm that the information and evidence or I (we) affirm that the applicant Signature I (we) affirm that the information and have at I (we) affirm that the information and have at I (we) affirm that the information and have at I (we) affirm that the applicant Signature I (we) affirm that the applicant Signature I (we) affirm that the applicant Signature I (we) affirm that the information and have at I (we) affirm that the information and have at I (we) affirm that the information and have at I (we) affirm that the applicant I (we) affirm that the information I (we) affirm that I (we) affirm that I (we) affirm that I (we) affirm the information I (we) affirm that I (we) affirm the information I (we) affirm that I (we) affirm that I (we) affirm that I (we) affirm tha | Federal s I, I (we) under Groundwath I am au is a municity or a precent is an efformed water tached supplementary and the stration is stration is stration control of the str | fully or partial timulus dollar (Ch derstand that, upwater modification athorized to pursipality as defined decessor; OR entity with the auer registration proporting document approval of the republication of located, once puggest publishin ontained in the Print National Print | ally funded by the Ares) neck one box) on receipt of the draft pron, I (we) will be required ue the modification as idd in ORS 540.510(3)(b) atthority to condemn proposed for modification extration. The groundwater registrate a notice in a newspapher week for two consengthe notice in the following the interest in the following the following the interest in the f | eliminary determination a d to provide landownersh lentified in OAR 690-382 and that the right is in erty and is acquiring is appurtenant by ion modification, I may er with general circulate cutive weeks. If more to lowing paper: and accurate. Date Date r registration modification modi | and prior to ip -0400(16)(a); RECEI AUG 22 OWF y be required to the area than one |
| Reinvestment Act. (By signing this application Department approval of the information and evidence OR I (we) affirm the applicant the name of the municipal I (we) affirm that the applicant the property to which the condemnation and have at I understand that prior to Desubmit payment to the Department of the groundwater regingualifying newspaper is available. I (we) affirm that the information and signature Applicant Signature | Federal s I, I (we) under Groundwath at I am audit is a municity or a predict of the Groundwath artment for stration is stration is stration control of the Groundwath artment for stration is stration control of the Groundwath artment for stration is stration control of the Groundwath artment for stration is stration in the Groundwath artment for stration is stration in the Groundwath artment for stration is stration control of the Groundwath artment for stration is stration control of the Groundwath artment for stration is stration control of the Groundwath artment for stration is stration control of the Groundwath artment for | fully or partial timulus dollar (Ch derstand that, upwater modification athorized to pursipality as defined decessor; OR entity with the auer registration proporting document approval of the publication of located, once puggest publishing ontained in the Print National Print National No. 15 No. 15 No. 16 No. | ally funded by the Ares) neck one box) on receipt of the draft pron, I (we) will be required ue the modification as idd in ORS 540.510(3)(b) atthority to condemn proproposed for modification station. The groundwater registrate a notice in a newspapper week for two conserning the notice in the folicity is application in true: Winship me (and Title if applicable) mich the Groundwater include signatures of all | eliminary determination and to provide landownersh lentified in OAR 690-382 and that the right is in erty and is acquiring is appurtenant by ion modification, I may er with general circulate active weeks. If more to lowing paper: and accurate. Date Tregistration modified deeded landowners (and | and prior to ip -0400(16)(a); RECEl AUG 22 OWF y be required to in the area than one |

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☐ Check here if the Groundwater registration proposed for modification is 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 the Groundwater registration is supplied under a water service agreement or other contract with a federal agency or other entity. ADDRESS ☐ CITY STATE ZIP

Check the appropriate box, if applicable:



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 Beaverton (applicant) | ADDRESS 4755 SW Griffith Dr. | |
|--|------------------------------|-------|
| CITY | STATE | ZIP |
| Beaverton | OR | 97005 |

| ENTITY NAME | ADDRESS | | | | | |
|-------------------|--------------------------------|-------|--|--|--|--|
| Washington County | 155 North First Ave. Suite 350 | | | | | |
| CITY | STATE | ZIP | | | | |
| Hillsboro | OR | 97124 | | | | |

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CERTIFICATE OF REGISTRATION # GR-328 (REGISTRATION # GR-343)

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.)

| THOIC. II LIC I | POA name is n | or specified in | ше | regi | suai | юп, | assign | i ii a ii | airie Oi | Hullibe | incre.) |
|-----------------------|---|--|----|------|------|-----|--------|-----------|----------|------------|--|
| POA Name or Number | Is this POA Authorized by the registration or is it Proposed? | OWRD Well Log ID# (or Well ID Tag # L) | T | wp | | ng | Sec | 1/4 | .1/4 | Tax Lot | Measured Distances (from a recognized survey corner) |
| Well 1 | | WASH 8791 | 1 | s | 1 | w | 11 | NE | sw | 5100 | 220 ft S and 2,550 ft E from the W quarter corner of S11 |
| Well 2 | | WASH 8988 | 1 | S | 1 | w | 21 | SE | sw | 0200 | 460 ft N and 2,550 ft E from the SW corner of S21 |
| ASR 2 | | WASH 55918 | 1 | s | 1 | w | 21 | SE | sw | 2200 | 235 ft N and 2,430 ft E from the SW corner of S21 |
| ASR 3 | ☐ Authorized☐ Proposed | WASH 57952 | 2 | s | 1, | w | 5 | sw | NW | 5900 | 1,180 ft N and 185 ft E from the W quarter corner of S5 |
| ASR 4 | | WASH 61319 | 1 | s | 1 | w | 21 | sw | SE | 1390 0 | 480 ft N and 2,445 ft W from the SE corner of S21 |
| ASR 5 | | Never Constructed | 1 | S | 1 | w | 28 | sw | NW | 200 | 1,435 ft S and 335 ft E from the NW corner of S28 |
| ASR 6 | | WASH 8961, WASH 8845, WASH 8957 | 1 | s | 1 | w | 20 | sw | NW | 6700 | 1,360 ft S and 925 ft E from the NW corner of S20 |
| ASR 7 | | WASH 70562 | 1 | s | 1 | w | 30 | NW | sw | 2400 | 1,750 ft N and 635 ft E from the SW corner of S30 |
| ASR 3-IW1 | ☐ Authorized ☐ Proposed | NA; not constructed | 2 | s | 1 | w | 5 | NW | NW | 6500 | 1,525 feet S and 75 feet E from the NW corner of S5 |
| ASR 3-IW2 | ☐ Authorized ☐ Proposed | NA; not constructed | 2 | s | 1 | w | 5 | NW | NW | 6500 | 1,550 feet S and 55 feet E from the NW corner of S5 |
| ASR 3-IW3 | ☐ Authorized ☐ Proposed | NA; not constructed | 2 | s | 1 | w | 5 | NW | NW | 6500 | 1,570 feet S and 50 feet E from the NW corner of S5 |
| ASR 5H | ☐ Authorized ☐ Proposed | NA; log being processed by OWRD | 1 | s | 1 | w | 21 | SE | sw | 0200 | 540 feet N and 2,495 feet E from the SW corner of S21 |
| ASR 6K | ☐ Authorized ☐ Proposed | WASH 74133 | 1 | s | 1 | w | 30 | NE | SE | 6700 | 1,520 feet N and 125 feet W from the SE corner of S30 |

| all type(s) of modifications(s) proposed b | elow (| modification "CODES" are provided in |
|--|--------------------|--|
| Place of Use (POU) | | Point of Appropriation (well) (POA) |
| Character of Use (USE) | \boxtimes | Additional Point of Appropriation (APOA) |
| | Place of Use (POU) | Place of Use (POU) |

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| Will all of the | e proposed changes affect the entire Groundwater 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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Table 2. Description of Modifications to Registration GR-343 (Certificate # GR-328)

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.

Additional remarks: No change of place of use proposed in this application. SEE ATTACHMENT 2 (AUTHORIZED POAs and POU)

| Tv | | t onl | ly th | | appea rt or | ırs in | the reg | gistrat | ion BEI | registration th | POSED CHA nat will be cha POA(s) (name or number from Table 1) | Priority Date | Proposed Changes (see "CODES" from previous page) | Tv | wp | | list ng | Sec | s it w | | appear | | ER PR e. | n" lands) OPOSED New Type of USE | POA(s) to be used (from Table 1) | I |
|----|---|-------|-------|----|----------------|--------|---------|---------|---------|-----------------|--|------------------|---|----|----|---|------------|-----|--------|------|--------|-----|-------------|-----------------------------------|---|------|
| 2 | s | 9 | E | 15 | NE | NW | 100 | | 15.0 | Irrigation | POD #1 | 1901 | POU/POD | 2 | s | 9 | E | 1 | NW | NW | 500 | 1 | 10.0 | 1 . | POD #5 | 1901 |
| | " | . " | " | " | 66 | - 66 | , 100 | e č | 13.0 | | POD #2 | · | | | | | | • | | | | | | | | |
| | | 7 | | | . • • | 0 | V. • | " | | EXAMPLE | | 66 | - 66 | 2 | 5 | 9 | E | 2 | SW~ | NW | 500 | | 5.0 | | POD #6 | 1901 |
| | | | | | | | | | | | | | | | | | | | | İ | | | | | | |
| | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
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Groundwater Registration Modification - Page 7 of 9

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Groundwater Registration # GR-343 (Certificate # GR-328) For a modification in place of use or character of use:

| Are there other water right certificates, water use permits, or Groundwater registration | ons |
|--|-----|
| associated with the "from" or "to" lands? Yes No | |

NA; no change of POU is proposed in this GR Modification.

If YES, list the other certificate, water use permit, or other Groundwater registration numbers:

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 Groundwater registration on the "to" lands must be filed separately with a Groundwater registration modification.

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

| \boxtimes | Well log(s) are attached for each well that are clearly labeled and associated with the |
|-------------|---|
| | corresponding well(s) in Table 1 above and on the accompanying application map. |
| | SEE ATTACHMENT 3 (WELL LOGS) |

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.

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 alread y built? (Yes or No) | If an existing well, OWRD Well ID Tag | Total well depth | Casin g Diam eter | 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 1 | Yes | - | 825 | 10" 8" | 0-215.4 215.4-609.9 | - | - | 180 | Basalt | 1,350 gpm |
| Well 2 | Yes | - | 800 | 16" 15" 12" | 0-63 63-450 450-800 | - | - | 170 | Basalt | 1,350 gpm |
| ASR 2 | Yes | L-33784 | 484 | 16" 14" | +4-88 +1-483 | 0-88 | 190-220 350-385 405-460 | 200 | Basalt | 1,350 gpm |

Groundwater Registration Modification - Page 8 of 9

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| Proposed or Authorized POA Name or Number | Is well alread y built? (Yes or No) | If an existing well, OWRD Well ID Tag No. L- | Total well depth | Casin g Diam eter | 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 |
|---|-------------------------------------|---|------------------------|----------------------------|-------------------------------|---------------------------------|---|---|---|--|
| ASR 3 | Yes | L-51450 | 1000 | 8" | +2-147 | 0-147 | - | 169 | Basalt | 1,350 gpm |
| ASR 4 | Yes | L-58870 | 482 | 20" | +1-88 | 0-88 | 170-180 335-350 405-445 | 120 | Basalt | 1,350 gpm |
| ASR 5 | No | Not Constructed | - | - | - | - | - | - | - | 1,350 gpm |
| ASR 6 | Yes | - | 410 | - | - | - | - | 312 | Basalt | 1,350 gpm |
| ASR 7 | Yes | L-108226 | 1,021 | 20" | +3-23 | - | - | 560 | Basalt | 1,350 gpm |
| ASR 3- IW1 | No | Not Constructed | 1,000 | 16" | 0-190 | 0-190 | 190-600 | 180 | Basalt | 1,350 gpm |
| ASR 3- IW2 | No | Not Constructed | 1,000 | 16" | 0-190 | 0-190 | 190-600 | 180 | Basalt | 1,350 gpm |
| ASR 3- IW3 | No | Not Constructed | 1,000 | 16" | 0-190 | 0-190 | 190-600 | 180 | Basalt | 1,350 gpm |
| ASR 5H | Yes | L-112728 | 942 | 20" 16" | +3-480 471.4-942 | 0-330 | 600-800 480-846 | 185 | Basalt | 1,350 gpm |
| ASR 6K | Yes | L-118526 | 1,078 | 30" 24" | +3-56 +3-361 | 0-34 34-56 | 363-649 714-1,076 | 340 | Basalt | 1,350 gpm |

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Groundwater Registration Statement for GR-343

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| | REG. ON NO GR-343 |
| | Registration Statement CERTIFICATE NO. GR - 328 |
| | CERTIFICATE NO. |
| | DEC 33 1956 OF CLAIMANT OF RIGHT TO APPROPRIATE GROUND WATER |
| | Conder Chapter 708, Oregon Laws 1855.) |
| | 있는 도착하실하게 되었다고 있는 도 전에 가는 보고 있다면 하는 사람들은 사람들이 가지 않는 것이다. |
| 3 | WELL # |
| | |
| | TO THE STATE ENGINEER OF OREGON: |
| | |
| | |
| • • | I ROBERT O MALSEY |
| | of CITY OF BEAUGATEN COUNTY OF MASHINGTON |
| | |
| | State of |
| | 1. Source from which water is withdrawn is Pump well #1 |
| v. | (Monday well) summa - N hadden'd a |
| | 2. Location is: |
| | and is more particularly described as follows: 2550 feet east and 220 feet south from West ly corner of section 11 |
| | (a) See enclosed Section of Section or other legal subdivision) |
| ٠., | (Give distance and bearing to corner of section or other legal subdivision) |
| PAG- | being within NEW of Switch of Sec. Twp. 5 Rge /W (Gmainest legal subdivision) |
| | or (b) within limits of recorded platted property, town or city! |
| • | in Lot, Blockof |
| ٠. | (Name of plat or addition) |
| | (if stiblingly or town, give name) |
| | 3. Construction Work was begun on 1932; was completed on 1932 |
| | and the ground water claimed was first used for the purposes set out below on |
| | (Date) |
| • | since which time the water has been used |
| ٠, | from 1933 to PRESSIT |
| | 4. Quantity of water claimed and used is 400 gallons per minute;acre |
| ٠, | feet per year. |
| • | 5. Purpose or Purposes for which water is used MUNICIPAL |
| • , | |
| . : | (Domeric, Irrigation; municipal, manufacturing, industrial, etc.) |
| | 6. Description of Well: Depth 925 feet, Type DRILLED |
| | diameter 10 inches. Elevation of ground at well site 360 = feet, mean sea level |
| . ' | Depth to water table |
| • | |
| | 7. Capacity of Well: UNINGLUN g.p.m. with 40 feet drawdown. |
| | gp.m. with feet drawdown. |
| • | Date of test |
| | |
| _ | If Flowing Well: Measured discharge g.p.m. on (Date) |
| | Shut-in pressure at ground surfacelbs. per sq. in. on |
| • | Water is controlled by |
| • | (Cap, valve, etc.) |

| 8: Casing: (Give diameter size.) | | | | | |
|--|---|----------------|--|---|-----|
| inch diameter | | | 0 10 | | |
| inch diameter | | fron | 215-9 to | 609-2 feet | . : |
| N.CASE O inch diameter | | from | ı to . | feet | • |
| inch disneter | | fron | toto . | feet | |
| Describe and show depth of shoe | , plug, adapter, liner or | other details: | | | |
| APPROXIMATELY | 3" OFFSE | T IN CASI | NG AT | 215.9 5% | Je |
| 444744 54444 54444 54444 54444 5444 544 | -/ | | | | |
| 9. Perforated Casing or S | creens: | | | 3 | |
| | NONE | | from | . to | |
| (Number and Marine | ine of perforations, or describe scre | | from | to | • |
| | *************************************** | | | 40 | • |
| | | | from | 10 | |
| ness and depth as indicated.) | • N. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. | | | • | • : |
| ness and depart as instance, | MATERIAL | | Thickness (Feet) | Depth to Bottom | |
| | · · · · · · · · · · · · · · · · · · · | | Thickness (Feet) | Depth to Bottom (Feet) | |
| BORING LAVA (B) | SALT) | e ot 59°) | (Feet) | (Feet) | |
| BORING LAVA (BA ROCK, RED & | GAAY (CAEURA | | (Feet) | (Feet) | |
| BORING LAVA (BA ROCK, RED & BOCK, RED | GARY (CAEURA CAEURA AT | | 5-9 | (Feet) | |
| BORING LAVA (B) ROCK, RED + ROCK, RED TROUTONIE | SALT) GARY (CARUCA (CARUCE AT FORMATION | 88') | 59 | Greet) | |
| BORING LAVA (B) ROCK, RED & ROCK, RED TROUTDALE CLAY, YELIO | SALT) GRAY (CREWER (CREWER AT FORMATION W. ALVE and | 88') | 5-9 52 492 | (Teel) | |
| BORING LAVA (B) ROCK, RED ROCK, RED TROUTOBLE CLAY, YELIO SANOSTONS | SALT) GRAY (CREWER (CREWER AT FORMATION W, ALVE AND YELLOW | 88') | 59 | Greet) | |
| BORING LAVA (BA ROCK, RED & ROCK, RED & TROUTOBLE CLAY, YELLO SANOSTONA COLUMBIA RIVEA | SALT) GRAY (CREWER (CREWER AT FORMATION W. ALVE AND YELLOW BASALT | BB) | 5-9 5-2 4-9-2 70 | 5-9 111 5-5-3 , 5-6-3 | |
| BORING LAVA (B) ROCK, RED TROUTOBLE CLAY, YELIO SANOSTONE COLUMBIA RIVER ROCK, GUITH | SALT) GRAY (CREWER AT CREWER ATION W. ALVE AND YELLOW CLAY | BB) | 3-9 52 492 70 | 5-9 111 5-5-3 5-6-3 | |
| BORING LAVA (B) ROCK, RED & ROCK, RED & ROCK, RED & CLAY, YELLO SANOSTONA COLUMBIA RIVER ROCK, WITH ROCK, MAK | SALT) GRAY (CREWER AT CREWER ATION W. ALVE AND YELLOW CLAY | BB) | 5-9 52 492 70 83- | 5-9 111 5-5-3 5-6-3 65-0 66-0 | |
| BORING LAVA (BA ROCK, RED TROUT OBLE CLAY, YELIO SANOSTONA COLUMBIA RIVEA ROCK, WITH ROCK, HAN | SERLY) GRAY (CREWER AT FORMATION W. ALVE AND YELLOW CLAY | BB) | 5-9 52 492 10 83- | 5-9 111 5-5-3 5-6-3 65-0 660 698 | |
| BORING LAVA (BY ROCK, RED & ROCK, RED & TROUTDALE CLAY, YELLO SANDSTONE COLUMBIA RIVER ROCK, WITH ROCK, HAN ROCK, BLAV ROCK, BLAV | GRAY (CREWER AT FORMATION WELLOW CLAY CLAY | BB) | 59 52 492 70 83- 10 38 | 5-9 111 5-5-3 563 65-0 660 698 708 | |
| BORING LAVA (BY ROCK, RED & ROCK, RED & ROCK, RED & TROUTOME CLAY, YELLO SANOSTONE COLUMBIA RIVER ROCK, WITH ROCK, HAN ROCK, BLAV ROCK, BLAV | SERLY) GRAY (CREWER AT FORMATION W. ALVE AND YELLOW CLAY | BB) | 5-9 52 492 10 83- | 5-9 111 5-5-3 5-6-3 65-0 660 698 | |
| BORING LAVA (BY ROCK, RED & ROCK, RED & ROCK, RED & TROUTOME CLAY, YELLO SANOSTONE COLUMBIA RIVER ROCK, WITH ROCK, HAN ROCK, BLAV ROCK, BLAV | GRAY (CREWER AT FORMATION WELLOW CLAY CLAY | BB) | 59 52 492 70 83- 10 38 | 5-9 111 5-5-3 563 65-0 660 698 708 | |
| BORING LAVA (BY ROCK, RED & ROCK, RED & ROCK, RED & TROUTOME CLAY, YELLO SANOSTONE COLUMBIA RIVER ROCK, WITH ROCK, HAN ROCK, BLAV ROCK, BLAV | GRAY (CREWER AT FORMATION WELLOW CLAY CLAY | BB) | 59 52 492 70 83- 10 38 | 5-9 111 5-5-3 563 65-0 660 698 708 | |

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| | 11. Infil | tration Tren | ch: Covered | or open | gylandi (j. 14. j.) Mag | |
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| | | | | Discharge | - | |
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| ``. ; | Des | nsions: | | | | |
| | Posi | ion of water | bearing stre | (Length, cours, a | | |
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| | L-Log | of tunnel: (| Preceding tal | le for log of well may b | e used if desired. Give | footage from north |
| and | l character (| i materials, | as pertinent. |) | e used, it desired: Give | rootske mon born |
| | 13. Pum | ping Equipm | ent: | | | |
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| • : | (ь) | Motor 6 | EN ELEG | TAIC | | 40 HB |
| .: _. . | | | | | horsepower) | - cs |
| · · | 14. Loca | tion of area | irrigated or | to be irrigated, or place of | of use if for purposes other | er than irrigation. |
| | · Township North or South | Range E m W. of Willamstic | Section | Forty-scre Truct | Number Acres To Be Irrigated | Date of Reclamation |
| | | Meridian' | | | | |
| | ORPORA | TE A | NO FR | INGE AREA - | BEAVERTON, C | REGON |
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| | ' ಜಾದ್ರರ | mrer to s | eid Imm o | con County, Oregon, of Beaverton its acci- | ans forever, the fol | louire dos- |
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| | handre | d and twe | nty-five (| 125) fact: thence so | uth two hundred and | twenty-five |
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| | 15. If the | ground wat | er supply is | supplemental to an existi adjudicated right to app | ng water supply, identifi | cation of any appli- |

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| STATE OF OREGON | | | · | •• | | |
| | | | SS. | | | |
| County of | | | ana¥ | | | |
| i,read the foregoing Reg | | | , being first | duly sworn, do h | ereby certify that I | have |
| read the foregoing Reg my knowledge and bel | istration State ief. | ment and that | an or the items | therein contains | a are true to the b | est or |
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| | | | | (Bigature of R | egistrant) | |
| Subscribed and s | worn to before | me this | day of | | 19 | |
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| My commission expires | 3 | | | (Notary P. | blie) | ······································ |
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| | e de la companya de l | | | | | |
| | | See Page ERTIFICATE | .CR-328 G | TION | | |
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| County of Marion | ss. | | والمنطقة فالمتناطق | المستريد لا | | |
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| · , | | | | | | | REGISTERY | NC -0- 328 |
| | EO W | 1000 | N 20 1 | Hegistra | tion Sta | lement | CERTIFICATE | NO. GR-328 |
| | and the face of | d V in In | distribution of | | | | | |
| 1 | BEC 2 | 0 1956 📶 | OF CLAIMA | NY OF RIGHT. | TO APPROP | BIATE GRO | OUND WATER | |
| | | NGINE | | · (Under Chapte | r 108, Oregon | Laws 1955,). | | |
| . 1 | | ONEGON | 1 | 4 | ELL # | | | |
| | 8-62 | ٠ العاب | | | 1. | | | |
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| | TO TH | E STATE | ENGINEER (| OF OREGON: | · · . | | | |
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| ٠ | | | ROBEA | 7 O. A | AALSE V | • | | |
| | | | 37 | | | | | Q .: |
| | بېنى io | 177 | PEAL | ERTON | County of | WASHI | NO TON | |
| , | State of | QRE | 60N | ; do hereby r | nake applicat | ion for a cer | tificate of regis | ration as evidence |
| Ċ | | | riate ground | | · / | | , 44 _ | |
| ٠. | 1. | Source fro | m which wat | er is withdrawn | مر عا | Titreing well, purn | WELL Z | ch, or bursel) |
| | 2. | Location | a: | MILES | | | OF BEAL | |
| • | | | | (Approxi | mate distance and (| Erection from bear | est city.or town) | |
| | and is in | iore bartici | 2500 feet ea | i as tollows: | et porth fr | om the 54 | U corner of s | ection 21. |
| • | | (a) | <u> </u> | (City distance and | O C/PSC | <i>it LO THOM</i> of Action or other | legal subdivision) | |
| • | being w | ithin | E /4 of 5 | | | | p. /S | |
| | · | | | orded platted pro | | | (111 41-2-1) | (12.0) |
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| | | ,·I | | OL | | (Name of plat or | addition) | |
| | (II = II) | hin eite ar town. | give namo) Co | unty of | | | | |
| | 3. | Construct | lon Work was | begun on | 1945 | ; was co | mpleted on | (Date) |
| | | ` | | s first used for t | (Dite) | | | 1946 |
| | | 1.0 | | | | | | 1946 |
| • | since wi | hich time th | e water has b | een used | atermi | (Continuously de | faternitionity) | |
| | from | 1946 | to | PRESENT | | | | |
| • | | | | ed and used is | 950 | gallon | s ner minute: | acre |
| • | feet per | year. | | | | | | |
| • | 5. | Purpose o | r Purposes for | which water is | used | 1 • | | |
| | | | | MUNIC | ו מפני | | | |
| | | | - | (Demestic, irrigation, m | unicipal, manufact | vine, industrial, et | E) | |
| • | 6. | Description | n of Well; De | pth <i>800</i> | feet Type | Q.A. | Duz or action | · |
| • | diamete | r · /6 | inches. Ele | evation of ground | l at well site | 3 | | eet, mean sea level. |
| | Denth h | o water tab | le | feet | | (ASE | eat or ground) | 4: |
| • | | | • . | | | | | |
| ٠ | 7. | Capacity | of Well: <i>UNK</i> | <i>NOW N</i> g.p.m. wi | th | feet drawd | iown. | |
| ٠., | | : | · • • · · · · · · · · · · · · · · · · · | g.p.m. wi | th | feet drawd | lown. | |
| ٠ | • | Date of t | st DEC. | 1945 | | | | |
| ٠. | ; | | | and disabance | | | | |
| - | | . II Flowin | g Well: Measu | auscnarge | | g.p.m. on | (Dat | e) . |
| | • | Shut-in p | ressure at gro | und surface | | lbs. per s | sq. in. on | (Date) |
| | | Water is | controlled by . | | | | | |

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| |) | |
| 8. Coding: (Give diameter, commercial specifications and depth below g | round surface | of each casing |
| s(ze.) | \ | |
| and the first of the second of | 0to | |
| Inch diameter from | | |
| 12 inch diameter from 9 | | |
| inch dlameter from | • | feet |
| Describe and show depth of shoe, plug, adapter, liner or other details: | | |
| | | |
| | | |
| 9. Perforated Casings or Screens: | | |
| (Number per foot and size of perforations, or describe curven) | | |
| tron | | :- |
| | | |
| | n | |
| 10. Log of Well: (Describe each stratum or formation clearly, indicate if ness and depth as indicated.) | water bearing, | and give thick- |
| | Tolckness | Depth to Bottom (Feet) |
| MATIENTAL | (Feet) | (Feet) |
| SOIL AND MANTLE (UNDIFFERENTIATED) | | : |
| 5 CLAY | 34 | 34 |
| ROCK; SOFT, GREY | 4. | 38 |
| CLAY, YELLOW | 16. | 54 |
| COLUMBIA RIVER BASALT | | 15 |
| ROCK, SOFT, GALY, WATER AT 90-96' | 192 | 196 |
| ROCK HAND, GREY TO BLUE | 524 | 720 |
| ROCK HARD, BLUE WITH SERMS | 15- | 733 |
| ROCK SOFT WATER BEARING | / | 736 |
| ROCK, HARD, BLUE WITH WATER - | | |
| BEAR ING SEAMS | 64 | 800 |
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| 11. Is | litration Tren | ch: Covered | or open | ing a state of the | | | | • : |
| Di | mensions: Ler | ıgth | ft. Mini | mum dooth | ft. | Maximum | depth | fL |
| | tom wiith | | | | | | | ••• |
| | | 177 F 17 N. 18 | July 10 Tan in | mining the second | p.m. Date of | test | *************************************** | |
| 12. T u | audi: Type of | lining | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | ····· | | ************ | | |
| Di | nensions: | | | | | | | |
| 10. | | l boundaire educat | | | rtal of tunnel | | | |
| | THOR OF MULEI | hearing arra | mn Minries | erence to bo | rist ör tnuust | | ; | ٠. |
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| or in Lo | g of tunnel: - C | Preceding tab | le for log of | well may h | e used, if desi | red Give | footogé`from | portal |
| characte | of materials, | as pertinent. | | | · | | Toomigu Troin | P -0, |
| 19 10 | | | | | | | • | • |
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| | mping Equipm | | | | | | | |
| | Pump EAL | | MORSE | PAMON | g TUBBINI | Capacity . | 950 | g.p.m. |
| (a) | Pump EAL | RBANKS. | | PAMONO CALLED | 9 TURBINA 4 and size) | Capacity . | | |
| (a) | | RBANKS. | | (Make, by | 7 TURBINI a and also) | Capacity . | 950 '60 H. | |
| (a) | Pump FAI | MBANKS MBANKS- | MORSE | (Males, by | e and size) | | '60 H. | <u>e</u> |
| (a) | Pump FAI | MBANKS MBANKS- | MORSE | (Males, by | e and size) | | '60 H. | <u>e</u> |
| (a) 14. Lo | Pump A | ABAMES - | MOAS | (Fype and) | oresponding | tposes oth | '60 H. | <u>e</u> |
| (a) | Pump A | MBANKS MBANKS- | MORSE | (Fype and) | e and size) | tposes oth | GO H. | tion. |
| (a) (b) 14. Lo | Pump Addition of erea | ABANNS Irrigated or Beetton | MONS. | (Eype and) | or and size) of use if for pu Number 70 Bo Irr | rposes oth | CO H. | tion. |
| (a) (b) 14. Lo | Pump Cal | ABANNS Irrigated or Beetton | MONS. | (Eype and) | of use if for pu | rposes oth | CO H. | tion. |
| (a) (b) 14. Lo | Pump Cal Motor Fal Cation of area Plants Plants Williamotic Meridian | ABANNS Irrigated or Beetton | MUNICAL DO DE IRRIGADO DE IRRI | (Type and) cd, or place in the trust The Trust | of use if for pu | tposes oth | CO H. | cion. |
| (a) 14. Lo | Pump EA | AGAMES ASAMES Irrigated or Bectton AGAMES AGENTE | o be irrigate Forty-see A A B A WA B | (Make, by and and or place of the first of t | of use if for pu Number / To Bo Irr | rposes oth | Eran Ci | cion. |
| (a) 14. Lo | Pump EAL Motor FAL Range Provide Meridian RANGE RANGE RANGE RANGE | ABAMPS Irrigated or Beetton | o be irrigate Forty-see A A B A WA B | (Make, by and and or place of the first of t | or and size) of use if for pu Number, To Bo Irr | rposes oth | CO H. | cion. |
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| (a) 14. Lo Townstee Tow | Pump EA | AGAMES ASAMES Irrigated or Bectton AGAMES AGENTE | o be irrigate Forty-see A A B A WA B | (Make, by and and or place of the first of t | of use if for pu Number / To Bo Irr | ores oth | Eran Ci | cion. |
| (a) 14. Lo Townstee Tow | Pump CAI Motor FAI Motor FAI Cation of area Plants E or W. disposite Maridian RATE AA RADIU | AGAMES ASAMES Irrigated or Bectton AGAMES AGENTE | Porty ac | (Make, by and and or place of the first of t | of use if for pu Number / To Bo Irr | ores oth | Eran Ci | cion. |
| (a) (b) 14. Lo Township North or South | Pump CAI Motor FAI Lange Cation of area Parties Meridian RAPIC AN RAPICA ACAMAS Irrigated or Bertlum CAIM SECTION | porty ac | Type and G, or place of the first of the fi | of use if for pu Number / To Bo Irr | rposes oth | Drie of Reciamatic | ry Cen, |

Harsis which is described on Page 161, Volume 226, Deed Records of Washington County, Oregon, said point being 552.8 feet North of the 1/h corner on the South line of Section 21, TIS, RIW of the Willamette Meridain and 5 feet North of the Northwest corner of a tract of land now comed by Guy O Woodworth, which is described on Page 309, Volume 237, Deed Records of Washington County, Oregon; thence Westerly parallel to the South line of said Section 21, a distance of 200 feet to a point; thence South line of said Section 21, a distance of the said Hargis tract a distance of 305 feet to a point; thence Santerly parallel to the South line of said Section 21, a distance of 200 feet to a point on the Bast line of said Section 21, a distance of 200 feet to a point on the Bast line of said Section 21, a said scint boing 21, 2 feet North of the 1/h corner, on the South line of said Section 21; thence Northerly along the East line of the said Hargis tract a distance of 305 feet to the blace of beginning, 1.5 acres, more or loss.

A4.50

Beginning at a point on the East line of a tract of land conveyed to Milliam I. Hargis, et ux, by deed recorded in Book 226; rage k61, Deed Records of Washington Sounty, Oregon, 217.8 feet North of the quarter section corner on the South line of Section 21, in Texasing 1 South Range I West of the Milliamette Meridian, in Washington County, Oregon; thence westerly 200 feet to the point of beginning, said point being the southmost corner of land now comed by the City of Deaverton; thence westward 25 feet, along an extension of the South boundary of preporty camed by City of Beaverton's thence northerly and parallel to the West beindary of City of Beaverton's property a distance of 275 feet; thence westerly and parallel with the South boundary of Section 21; a distance of 117 feet; thence northerly and parallel with the East boundary Line of above described Hargis tract; a distance of 30 feet; thence easterly 112 feet to the Marthwest corner of City of Beaverton's Tract; thence contherly to the place of beginning, reserving an easternt and right of way in common with others door the North 30 feet of the above described property, being a trip 30 of 112 feet, and is to be used for readway purposes only.

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| | 2/ |
| | Locate well and acreage of irrigated land on plat. |
| | Scale: 2"—1 Mile |
| . } | STATE OF OREGON |
| έ. | the ashernatori ss. |
| | a lily Duberindand |
| | I, Alley, being first duly sworn, do hereby certify that I have read the foregoing Registration Statement and that all of the items therein contained are true to the best of |
| | my knowledge and belief. |
| · : | Mant I Tolde |
| • . | (Signature of Registrant) |
| | Subscribed and sworn to before me this |
| ٠ | My commission expires June 201960 Sline 13. Martin |
| | (SEAL) |
| | |
| | |
| | CERTIFICATE OF REGISTRATION |
| • | CHRISTICALE OF INCOLUMN , |
| | |
| | STATE OF OREGON SS. |
| ! | STATE OF OREGON SS. County of Marion |
| | STATE OF OREGON County of Marion This is to certify that the foregoing Registration Statement was received in the office of the State |
| | STATE OF OREGON SS. County of Marion |
| | STATE OF OREGON County of Marion This is to certify that the foregoing Registration Statement was received in the office of the State |
| | STATE OF OREGON County of Marion This is to certify that the foregoing Registration Statement was received in the office of the State Engineer on the 21st day of January , 19.57, at 8:00 o'clock A.M. and has been duly recorded in said office in Book No. 2 of Registration Statements on page GR-328 G. |
| | STATE OF OREGON County of Marion This is to certify that the foregoing Registration Statement was received in the office of the State Engineer on the 21st day of January 19 57, at 8:00 o'clock A. M. and has been duly recorded in said office in Book No. 2 of Registration Statements on page GR-328 G. Construction Thalk-becomplated by X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X- |
| | STATE OF OREGON County of Marion This is to certify that the foregoing Registration Statement was received in the office of the State Engineer on the 21st day of January 19 57, at 8:00 o'clock A. M. and has been duly recorded in said office in Book No. 2 of Registration Statements on page GR-328 G. Construction shalls becompleted by xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx |
| | STATE OF OREGON County of Marion This is to certify that the foregoing Registration Statement was received in the office of the State Engineer on the 21st day of January 19 57, at 8:00 o'clock A. M. and has been duly recorded in said office in Book No. 2 of Registration Statements on page GR-328 G. Construction Thalk-becomplated by X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X- |
| | STATE OF OREGON County of Marion This is to certify that the foregoing Registration Statement was received in the office of the State Engineer on the 21st day of January 19.57, at 8:00 o'clock A. M. and has been duly recorded in said office in Book No. 2 of Registration Statements on page CR-328 G. Construction shall-becompleted by x x x x x x x x x x x x x x x x x x |
| | STATE OF OREGON County of Marion This is to certify that the foregoing Registration Statement was received in the office of the State Engineer on the 21st day of January 19 57, at 8:00 o'clock A. M. and has been duly recorded in said office in Book No. 2 of Registration Statements on page GR-328 G. Construction shall-boxecompleted by x x x x x x x x x x x x x x x x x x |

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ATTACHMENT 2
Authorized and Proposed Points of
Appropriation Map

From:

JARAMILLO Lisa J * WRD

To:

Ryan Dougherty

Cc:

SMITH Joan M * WRD; HEARD Arla L * WRD; STARNES Patrick K * WRD

Subject:

RE: City of Beaverton - GR-343 Map Scale Waiver Request

Date:

Friday, June 29, 2018 1:46:53 PM

Attachments:

image004.jpg image003.jpg

Good afternoon Ryan,

Your request for a map waiver for a groundwater registration modification application (City of Beaverton GR-343 to add three APOAs) is hereby approved per OAR 690-380-3100(1)(e)(E).

Thank you,

-Lisa

LISA J. JARAMILLO | TRANSFER & CONSERVATION SECTION MANAGER

725 Summer Street NE, Suite A Salem, OR 97301 | Phone 503-986-0880

6025_OWRD_OREGON Logo_2017-COLOR



From: SMITH Joan M * WRD

Sent: Thursday, June 28, 2018 10:55 AM

To: JARAMILLO Lisa J * WRD

Subject: FW: City of Beaverton - GR-343 Map Scale Waiver Request

Could you provide Ryan with a waiver for the attached map? City of Beaverton. Let me know. Thanks J

Joan Smith Oregon Dept. of Water Resources 503-986-0892

From: Ryan Dougherty [mailto:rdougherty@gsiws.com]

Sent: Thursday, June 28, 2018 10:52 AM

To: SMITH Joan M * WRD Cc: HEARD Arla L * WRD

Subject: FW: City of Beaverton - GR-343 Map Scale Waiver Request

Hey Joan/Arla,

I had sent the following email to Kelly but I see he is out of the office. Could one of you please address this if you have time? If not, we can just wait until he is back. Thanks.

-Ryan

RECEIVED

From: Ryan Dougherty

Sent: Thursday, June 28, 2018 10:49 AM

To: 'patrick.k.starnes@oregon.gov' <patrick.k.starnes@oregon.gov> **Subject:** City of Beaverton - GR-343 Map Scale Waiver Request

Hey Kelly,

The City of Beaverton is currently in the process of completing a groundwater registration modification application for its GR-343 to add three APOAs. For the groundwater registration modification previously completed in 2009 for GR-343, a map scale waiver was granted for the application map. I would now like to again request a map scale waiver for the application map (new application map attached). We are requesting a larger scale so that we can include the service area boundaries of the City. Please let me know if there is anything further you need from me., and thanks for the help

Thanks,
-Ryan



Ryan Dougherty Staff Hydrogeologist

direct: 971.200.8537 | mobile: 775.229.5667

55 SW Yamhill Street, Suite 300, Portland, OR 97204

GSI Water Solutions, Inc. | www.gsiws.com

AUG 22 2018

OWRD

ATTACHMENT 3

Well Logs

OBSERVATION WELL WASH Well Record STATE ENGINEER STATE WELL NO. /// LO Salem, Oregon COUNTY Washington APPLICATION NO. OR-343 008791_{au} MAILING OWNER: City of Beaverton-by R.O. Malsey ADDRESS: City Hall CITY AND LOCATION OF WELL: Owner's No. # STATE: Beaverton, Ovegon NE 1/4 SW 1/4 Sec. // T. / S. R. / W. W.M. Bearing and distance from section or subdivision corner 2550 feet east and 220 feet south from Wly corner of section 11. 40 Altitude at well 360 feet Interpolated TYPE OF WELL: Orilled Date Constructed 1932 Depth drilled 825 Depth cased 609.9 Section ___// CASING RECORD: - inch casing set from 0 to 215.4 feet, " . 215.4 to 609.9 feet, RECEIVED FINISH: AUG 22 2018 unknown OWDD AQUIFERS: rock - 650 to 735 feet ? WATER LEVEL: 180 feet belower land surface. 1932

PUMPING EQUIPMENT: Type Pamona Deep Well Turbine HP. 40
Capacity 500 G.P.M.

WELL TESTS:
Drawdown ft. after hours pumping? G.P.M.

Drawdown ft. after hours G.P.M.

USE OF WATER Patricular Municipal Groups Temp. °F. 19
SOURCE OF INFORMATION Reg. Statement 68-343
DRILLER or DIGGER ADDITIONAL DATA:
Log 463 Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

AUG 22 2018

STATE ENGINEER
Salem, Oregon

OWRD

State Well No. //w-//2()
County Washington
Application No. GR-343

Well Log

| iller: | Date Drill | ed | *************************************** |
|--------------------------------------|---------------------|---------------------|---|
| CHARACTER OF MATERIAL | (Feet below From | land surface) To | Thickness (feet) |
| Boring lara - basalt: | | | |
| rock, ved & gray (crevice of 59' | 0 | 59 | 59 |
| rock, red (creviced at 88') | 59 | | 52 |
| Troutdale Formation: | | | |
| clay, yellow, blue and red | | 553 | 442 |
| sandstone, yellow | <u>553</u> | 563 | 10 |
| Columbia River Basalt rock with clay | 563 | 650 | 45 8 |
| rock, hard | 650 | 660 | 10 |
| rock, lava | 660 | 698 | 38 |
| rock, black | 698 | 708 | 10 |
| rock, black - very hard | 708 | 735 | 27 |
| | | | |
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| 2.85 | | | ļ |
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STATE OF OREGON St

| | 4, | | · • j | /, | ام ما | _] | ľ |
|------|------|-----|-------|----|-------------|----|---|
| tate | Well | No. | | | <i>61</i> / | ¥ | |

State Permit No. ..

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

| (1) OWNER: Name C. 9. Dembook | (11) WELL TESTS: Drawdown is amount water lowered below static level Was a pump test made? Yes No If yes, by whom? | level is |
|---|---|--|
| Address 15820 S.W. Maris | Yield: gal./min. with ff. drawdown after | |
| Asterial One | 21 19 59 21 69 61 | 91 |
| (2) LOCATION OF WELL: County Wash Owner's number, if any— | Baller test 9 gal./min. with 6 ft. drawdown after | er 3 hrs. |
| County Wash Owner's number, if any— | Artesian flow g.p.m. Date | |
| Bearing and distance from section or subdivision corner Wall is like it | Temperature of water Was a chemical analysis made? | Yes I No |
| ON DIG. M. 50 IN SEC. 17 TIS D.IW | (12) WELL LOG: Diameter of well | Z.Xinches. |
| Washington County = 600 It south of | Depth drilled 320 ft. Depth of completed well | 3.30 tt. |
| West of east line 25 mi South west of | Formation: Describe by color, character, size of material and show thickness of aquifers and the kind and nature of the n stratum penetrated, with at least one entry for each change | i structure, and naterial in each |
| Beaverton, Ove Washingtown, 15820 8W Da | | om TO |
| (2) TUDE OF WORK (sheets): | Original depth - 273 | ON 10 |
| (3) TYPE OF. WORK (check): New Weil Deepening Reconditioning Abandon Abandon | Mass formation | |
| andonment, describe material and procedure in Item 11. | Rocks - medinan hard 2 | 73 285 |
| (4) PROPOSED USE (check); (5) TYPE OF WELL: | Rock - medium heavy 20 | F3 296 |
| Domestic Industrial Municipal Rotary Driven | Sandstone forgum of 29 | 6 298 |
| Irrigation | Nosh - Hand | 12 3/4 |
| | Signatures Chuldining | |
| (6) CASING INSTALLED: Threaded Welded | water flow | |
| "Diam. from | | - 4 |
| " Diam. from ft. to ft. Gage | | |
| /EL DEDEOD ABTONG. | | |
| (7) PERFORATIONS: Perforated? ☐ Yes ☐ No Type of perforator used | | |
| SIZE of perforations in. by in. | | |
| perforations from ft. to ft. | DECENTE | |
| perforations fromft, toft. | TECEIVEL | 7-1 |
| perforations fromft. toft. | ALIC 9 9 2010 | - 7- |
| perforations fromft. toft. | AUU 2 2 2010 | |
| (8) SCREENS: Well screen installed Yes No | · · · · · · · · · · · · · · · · · · · | |
| (8) SCREENS: Well screen installed | | · · · · · · · · · · · · · · · · · · · |
| Topa Model No. | | |
| Slot size Set from ft. to ft. | | |
| Slot size Set from ft. to ft. | Work started 7/30 1960 Completed 6 | <u>6 1960</u> |
| (9) CONSTRUCTION: | (13) PUMP: | |
| Was well gravel packed? ☐ Yes ☐ No Size of gravel: | Manufacturer's Name Jan Glovebs Man | <i>L</i> |
| Gravel placed fromft toft. | Type: Juft Cylinda H.P. | / |
| Was a surface seal provided? ☐ Yes ☐ No To what depth? | Well Driller's Statement: | |
| Did any strata contain unusable water? Yes No | This well was drilled under my jurisdiction and | this report is |
| Type of water? Depth of strata | true to the best of my knowledge and belief. | - · · · · · · · · · · · · · · · · · · · |
| Method of sealing strata off | NAME J2CH Ray Y 77 (Ferson, firm, or corporation) (Type of | |
| (10) WATER LEVELS: | Address 16425 S.W. H3.T | or print) |
| Static level 280 ft. below land surface Date \$ /6/60 | ANALA CON ANTONIA TO CONTRACT | |
| Artesian pressure lbs. per square inch Date | Driller's well number 3 | |
| Log Accepted by: | [Signed] Josh Banon | |
| [Signed] C & Carlington Sept 10 1960 | Vicense No. 5-9 | 10/1 |
| O (Owner) | License No. 3 Date | |
| (USE ADDITIONAL SI | ieets if necessary) | |

NOTICE TO WATER WELL CONTRACTOR

The original and first copy of this report are to be filed with the

WATER WELL REPORT ASH

STATE ENGINEER, SALEM, OREGON 7/5/10 NOV 2 0 1978TATE OF OREGON STATE ENGINATION (Please type or print) 0,08957

| | | -5-6 | No. of Street, or other | | , |
|-------|------|------|-------------------------|-----|-----|
| State | Well | No. | 413 | w-2 | 060 |

State Permit No.

within 30 days from the date of well completion. ALEM. OREGON

| 581-E-171 | | | | |
|--|--|----------|-------------|--------------|
| (1) OWNER: | (11) LOCATION OF WELL: | | | |
| Name C. J. Dernbach | County Washington Driller's well nu | mber | 61 | |
| Address 5820 SW. Davis Rd. Beaverton, Oregon | 5W 14 NW 14 Section 20 T. / S | R. | . W. | W.M. |
| (2) TYPE OF WORK (check): | Bearing and distance from section or subdivision | | | |
| | 1820' South and 4 | 80'E | ast. | of. |
| New Well Deepening Reconditioning Abandon Life abandonment, describe material and procedure in Ifem 12. | North Wast Corner of Sec | . 20 | | |
| (3) TYPE OF WELL: (4) PROPOSED USE (check): | (12) WELL LOG: Diameter of well 1 | | | 1" |
| Rotary Driven Domestic Industrial Municipal Domestic | Depth drilled 4//0 ft. Depth of compl | | • | / |
| Dug | Formation: Describe color, texture, grain size | | | natoriale |
| CASING INSTALLED: Threaded Welded | and show thickness and nature of each stratu | m and a | quifer pe | netrated, |
| wile " Diam. fromft. toft. Gage | with at least one entry for each change of form in position of Static Water Level as drilling pro | | | |
| ". Diam. from | MATERIAL | From | То | SWL |
| " Diam. fromft, toft. Gage | Deepaning - of ovisiNal | | | |
| PERFORATIONS: Perforated I Ves & No. | Well IN POCK from | | | |
| PERFORATIONS: Perforated? Yes No. | 328' to 4/6' | | | |
| Size of perforations in. by in. | Original Static level 31: | 20 | | L |
| perforations fromft. toft. | 7 | | | <u></u> |
| perforations from ft. to ft. | Kock-brown | 320 | | 3/2' |
| perforations from ft. to ft. | Pock gray- | 340 | 385 | 510/ |
| perforations fromft, toft. | ROCK - SOFT | 382 | 410 | 3/2 |
| perforations from ft. to ft. | | <u>-</u> | +, | |
| (7) SCREENS: Well screen installed? Yes W No | | | | |
| (7) SCREENS: Well screen installed? Yes No | | | | |
| Type Model No. | | | | |
| Diam Slot size Set from ft. to ft. | DECENTED | , | | : |
| Diam. Slot size Set from ft. to ft. | | | | |
| (8) WATER LEVEL: Completed well. | AUC 9 9 2019 | | | |
| Static level 3/2 ft. below land surface Date/0//8/2 | AUG & LUIC | | | |
| sian 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? | Work started /6/6 1970 Complet | ed 18 | 120 | 1920 |
| Yield: gal./min. with ft. drawdown after hrs. | Date well drilling machine moved off of well | | 71 | 19 7/ |
| | | 0_/ | 2/ | 18/0 |
| <u>"</u> " " | Drilling Machine Operator's Certification: This well was constructed under my di | most su- | omilalo- | Moto |
| Bailer test // gal./min. with O ft. drawdown after / hrs. | rials used and information reported above | re are t | Lne to 1 | my best |
| Artesian flow g.p.m. Date | knowledge and belief. | | | ٨. |
| Temperature of water 5.3º Was a chemical analysis made? Yes No | [Signed] (Drilling Machine Operator) | Date // | 1_9 | ., 19.70 |
| (10) CONSTRUCTION: | Drilling Machine Operator's License No. | 165 | _ | |
| Well seal—Material used | | | | |
| Depth of sealft. | Water Well Contractor's Certification: | | | . |
| Diameter of well bore to bottom of sealin. Were any loose strata cemented off? Yes No Depth | This well was drilled under my jurisdi true to the best of my knowledge and belie | | ia this r | eport is |
| Was a drive shoe used? Tyes No Depth | NAME Jack Bayyon (Person, firm or corporation) | | | |
| Did any strata contain unusable water? Yes No | | | e or print) | : |
| Type of water? depth of strata | Address 6425 SW. Hart, Bear | exten | , Oxo | 307 |
| Method of sealing strate off | Jack Barrens | | - | - |
| Was well gravel packed? Yes YNo Size of gravel: | [Signed] (Water Well Contrac | tor) | | ************ |
| Gravel placed fromft. | Contributor's License No. 59 | 1/0 | , | 1071 |
| MANUAL MA | Contractor's License No. 3 | <u></u> | | 18/ |

STATE ENGINEER
Salem, Oregon

Wash

Well Record

STATE WELL NO. /W - 20.50 COUNTY WAS H APPLICATION NO.

| | | AFFLICA | ATION NO | |
|--|--|----------|--------------|---|
| OWNER: C.J. Dernbach | MAILING ADDRESS: | 15820 | S.W. Davis | |
| LOCATION OF WELL: Owner's No | | Beaverto | in Oregon | |
| 5w 4 Nw 4 Sec. 20 T. 1 S.R. 1 W. | W.M. | | | |
| Bearing and distance from section or subdivision | | | | |
| corner | | E I | | |
| | | | | |
| Altitude at well | | | | |
| TYPE OF WELL: Drilled Date Constructed | | | | |
| Depth drilled 279 Depth cased | | Section | <u> </u> | |
| CASING RECORD: | | | | |
| | | | | |
| FINISH: | | - | RECEIVE | |
| | | | AUG 222018 | |
| AQUIFERS: | | | OWRD | |
| Basalt | | | OGAIATA | |
| WATER LEVEL: 268 feet in 1953 | *** And the second of the seco | | | |
| PUMPING EQUIPMENT: Type Desp w.s. Capacity G.P.M. | :11 Pisto | <i>y</i> | Н.Р. | *************************************** |
| WELL TESTS: Drawdown ft. after | hours | | | GPM |
| Drawdown ft. after | hours | | | _ |
| USE OF WATER Domestic SOURCE OF INFORMATION Obs. & Owner DRILLER or DIGGER A.M. January ADDITIONAL DATA: | Temp° | | | |
| Log Water Level Measurements | Chemical Ana | lysis | Aquifer Test | |
| REMARKS: | | | | |

| STATE ENGINEER Salem, Oregon | WASH | Well | Record | STATE Y | WELL NO. ///W Washing ATION NO | ton |
|--|--|---|------------------------|---|--|--------------------------|
| OWNER: City of | 008988 Beaverton | · | *MAILING ADDRESS: . | City Hall | | |
| LOCATION OF WELL: | Owner's No | #2 | CITY AND STATE: | Beaver ton, | Ovegon | ************************ |
| SE 14 SW 14 Sec. 2 | z. Z. T/ S., F | ■. R/ W. | . W.M. | | | |
| Bearing and distance from | - | | , | | | |
| corner 2500 feet e | ast and 460 | teet no | <i>th</i> | | | |
| from the SW corne | r at section 2 | Z/, | ******** | | | |
| | *********************************** | *************************************** | | | | |
| *************************************** | | | , | | | |
| Altitude at well 350, | est Interp | polated | ********** | 10 | | |
| TYPE OF WELL: Drille | | | | ′′°∘ | | |
| Depth drilled 800 | | | | Section | 2/ | |
| CASING RECORD: | * *** | | | | | |
| 16 inc | ch casing se | et from | 1 0 to 63 | feet, | | |
| 15 " | it n | 4, | 63 to 450 | efect. | | |
| /2 " | ch casing se | •• | 450 to 800 | feet, | | • |
| FINISH: | and the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is section in the second section in the section is section in the section in the section is section in the section in the section in the section is section in the section in the section is section in the section in the section is section in the section in the section in the section is section in the section in the section is section in the section in the section in the section is section in the section in the section is section in the section in the section is section in the section in the section in the section is section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the sect | | | The first section of the section of | | |
| none? | | | | | | |
| | | | | | | |
| AQUIFERS: | tui aan afaysa watarayaya a 🛦 a shaan y | <u>an director de la cordi</u> ente de la constante de la constant | | And the second second | | |
| rock from | 90 to 800 fe | reti | | | | ٠ |
| WATER LEVEL: | | | | | The second secon | |
| 170 teet be | fow land su | rtace. | Dec. 1945 | 5, | | |
| PUMPING EQUIPMENT Capacity | : Type <i>Fair.</i> G.P.M. | banks-k | Morse Turbin | | н.р. 60 |) |
| WELL TESTS: Drawdown #0 | ft. after | ******************** | hours . punap | ін. 3 | | G.P.M. |
| Drawdown | ft. after | | | | | |
| USE OF WATER Municipal SOURCE OF INFORMATION DRILLER or DIGGER | TION Rog. State | Boss. Tement C | 7K-343 | F | | , 19 |
| ADDITIONAL DATA: Log <u>fes</u> t Water Le REMARKS: | evel Measuremen | ts | . Chemical Ana | alysis X | _ Aquifer Test | |

RECEIVED
AUG 2 2 2018

STATE ENGINEER Salem, Oregon

State Well No. //w-21 PO
County Washington
Application No. 5K-343

Well Log

| | Owner: City of Beaverton, Oregon | 0 | wner's No | <u>#</u> |
|--|--|----------------|-------------------|---------------------|
| ••. ••. | Driller: | Date Drille | 1 1945 | |
| Mary page 1 and 1 | CHARACTER OF MATERIAL | (Feet below is | nd surface) To | Thickness (feet) |
| The state of the s | 0://-/ | | 34 | 34 |
| | Soil & clay | 2// | 38 | 4 |
| | rock, soft, gray | 34 | | |
| يغي د د ميسود د دو هما | clay, yellow | 38 | 54 | 16 |
| | Columbia River Lava (basalt) | 5 54 | 196 | /42 |
| <u> </u> | rock, soft groy - water bearing at 90- | 196 | 720 | 524 |
| err entre entre y | rock, hard blue with (seams) | 720 | 735 | 15 |
| Andrews Commission of the Comm | rock, water bearing | 7.36 | 736 | / |
| A fine to make the party of the | rock, hard blue with water) | 736 | 800 | 64 |
| | | | | |
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| AT MAN TO THE TOTAL OF THE TOTA | | | | |
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| rodelana ana comercia | | | | |
| anna | | | | |
| TO THE PERSON NAMED AND PARTY OF PARTY | | | | _ |
| Fig. | | | | |
| المرار يتسدر المتحدة الدعداد يتحدث | | 0 | | |
| | | | EIVED | |
| 2.4 | | AUG : | 2 2018 | |
| | | 0\ | WRD | |

STATE OF OREGON WATER SUPPLY WELL REPORT MAY 0 9 2000

| WATER SUPPLY WELL REPORT (as required by ORS 537.765) Instructions for completing this report are on the last page of this form, | 'ER RESOURCES DE SALEM, OREGON | WELL I.D. # L33 START CARD # | 784 127584 | |)WR | - - |
|---|--|---------------------------------|---|----------------------|-------------------|---------|
| (1) OWNER: Well Number ASR #2 | (9) LOCATION OF V | VELL by legal desc | ription: | | | יש |
| Name City of Beaverton | County Washingt | | | | | |
| Address P.O.Box 4755 | Township 1S | | | | v. WM. | |
| City Beaverton State OR Zip 97076 (2) TYPE OF WORK | | SE 1/4_ | | 1/4 | | |
| | Tax Lot 200 Lo Street Address of Well | MBlock | | ıbdivision | Avo | - |
| (3) DRILL METHOD: | | on 97076 | 7770 SW | TOOLII | Ave. | - |
| Rotary Air Rotary Mud Cable Auger | (10) STATIC WATER | | | | | • |
| X Other Reverse Circulation Rotary | 200 ft. belo | | 1 | Date 4/13 | 2/00 | |
| (4) PROPOSED USE: | Artesian pressure | lb. per squa | re inch. I | Date | . / UU | • |
| Domestic Community Industrial Irrigation | (11) WATER BEARI | NG ZONES: | | | | • |
| Thermal Injection Livestock Tother ASR (5) BORE HOLE CONSTRUCTION: | Burg and the | | | | | |
| Special Construction approval Yes No Depth of Completed Well 484 ft. | Depth at which water was | first found <u>IST</u> | signiti | cant @ | SWL | • |
| Explosives used Yes X No Type Amount | From | To | Estimate | I Flow Rate | сти | 1 |
| HOLE SEAL | SWL | 479+/- | see (8) | | SWL see(| 10 |
| Diameter From To Material From To Sacks or pounds | | ng 422-454 | See (o | | Seet | 10) |
| 20 0 91 Cement 0 88 53 sks | | | | | | 1 |
| 15 91 485 | | | | | | 1 |
| | | | | | |] |
| | (12) WELL LOG: | | 250 | | | |
| How was seal placed: Method A B V C D E | Ground | Elevation appro | x 350 | | | • |
| Backfill placed from ft. to ft. Material | Materia | l | From | To | SWL | ì |
| Gravel placed from ft. to ft. Size of gravel | see attached | 100 | | | | |
| (6) CASING/LINER: | | | | | | } |
| Diameter From To Gauge Steel Plastic Welded Threaded | <u> </u> | | | | |] |
| Casing: 16 +4 88 375 X | Liner assembl | y: | | | | |
| | 14"mildstee1 | .375 wall | +1 | 70 | | |
| | 14" 304 SS .1 | 88 wa11 | 70 | 190 | | İ |
| | 14" screen | | 190 | 220 | | |
| Liner: 14 +1 483 (12) 🔞 🗆 🖸 | 14" 304 SS .1 | 88 wall | <u> 230 </u> | 320 | | } |
| Final location of shoe(s) | 14" mild stee | 1 .375 wall | <u> 320 </u> | 350 | | ļ |
| (7) PERFORATIONS/SCREENS: | 14" screen | 075 44 | <u> 350 </u> | 385 | | ł |
| Perforations Method | 14" mildsteel 14" screen | .3/5 wall | 885 | 405 | | ł |
| VI Screens Type Shane wire Material 30/ SS | 14" screen | 1 375 | 405 460 | 460 483 | | • |
| _ Slot wrap Tele/pipe | 1 14" MILLO SIEE | <u> </u> | #00 | 403 | | 1 |
| From To size Number Diameter size Castag Liner | | - | | | | |
| 350 385 250 cont 14 PS | | | | | | 1 |
| 405 460 250 cont 14 PS | | | | | | 1 |
| | | | | | _ | 1 |
| | | | | | | |
| | 10/15/ | - | <u> </u> | | | } |
| (8) WELL TESTS: Minimum testing time is 1 hour | Date started 12/15/ | | | 13/00 | | |
| Flowing Pailes Dain Damening | (unbonded) Water Well (| | | | | |
| ∑Pump Bailer Air Artesian _Yield gal/min Drawdown Drill stem at Time | I certify that the work I of this well is in compliance | e with Oregon water s | unniv well co | netruction etc | ndenle | |
| see attached graphs 1hr. | Materials used and information and belief. | stion reported above a | e true to the b | est of my kn | owledge | |
| | | 11-1- | WWC Nur | nber 1577 | 7 | |
| | Signed Au | Windlet | | Date $\frac{137}{5}$ | | |
| Temperature of water ≥ 55° F Depth Artesian Flow Found | (bonded) Water Well Cor | structor Certification | | | | • |
| Was a water analysis done? Yes By whom | I accept respondibility f | or the construction, alt | eration, or abs | indonment w | ork | |
| Did any strata contain water not suitable for intended use? | I nertormed on this well due | ing the construction do | dae waxaadad a | haara A 11 | | |
| Salty Muddy Odor Colored Other | performed during this time construction tunderds. The | is pepope in this to the | | | belief. | |
| Depth of strata: | Sont | $()/X_{-}U$ | WW Nu | mber <u>649</u> | | |
| | Signo | A Am | ias | Date 5/5/ | 00 | <u></u> |

MAY 0 9 2000

City of Beaverton ASR No. 2

S.C. #127584 - Label #33784 by Schneider Drilling Co. - 2000

WATER RESOURCES DEPT. SALEM, OREGON

| From | To | Description |
|------|-----|---|
| 0 | 3 | Topsoil, fill |
| 3 | 26 | Clay, rusty brown, medium some silty |
| 26 | 28 | Sand/silt, greyish-green, cemented, hard, w/some clay, hard |
| 28 | 53 | Basalt, greenish-grey & some brown, weathered, medium-hard |
| 53 | 59 | Clay, brown & red, hard |
| 59 | 70 | Basalt, greyish-brown, weathered, medium-hard |
| 70 | 74 | Basalt, grey w/ slight brown tint-hard |
| 74 | 77 | Basalt, grey & redish brown, medium-hard, some vesicular |
| 77 | 83 | Basalt, redish-brown & grey, medium-hard, some vesicular |
| 83 | 84 | Basalt, grey w/red, hard |
| 84 | 91 | Basalt, grey, hard |
| 91 | 103 | Basalt, grey w/brown in fractures, hard |
| 103 | 129 | Basalt, greenish-grey w/brown in fractures, some vesicular, medium-hard |
| 129 | 133 | Basalt, dark grey w/rusty brown, fractured, medium |
| 133 | 158 | Basalt, dark grey & brown, some vesicular, medium |
| 158 | 174 | Basalt, grey and brown, medium, some Fractures |
| 174 | 182 | Basalt, grey & brown, w/clay, tan, medium & hard |
| 182 | 194 | Basalt, grey & brown, some rusty fractures |
| 194 | 202 | Basalt, grey & brown, some rusty fractures, some vesicular |
| 202 | 243 | Basalt, grey & brown, some fractures, medium |
| 243 | 252 | Basalt, greenish-grey & brown, some fractures, medium |
| 252 | 262 | Basalt, grey & brown, some fractures med. |
| 262 | 266 | Basalt, greenish-grey & brown, some fractures |
| 266 | 270 | Basalt, grey & brown, some fractures |
| 270 | 276 | Basalt, greenish-grey w/rusty brown, some fractures |
| 276 | 351 | Basalt, grey & brown fractured |
| 351 | 355 | Basalt, grey & brown w/some redish-brown, vesicular, medium-soft |
| 355 | 357 | Basalt, grey & brown, visicular, med-soft & some clay, grey |
| 357 | 365 | Basalt, grey & brown, vesicular, medium-soft |
| 365 | 369 | Basalt, grey & brown, some fractures, medium |
| 369 | 374 | Basalt, grey & brown, some vesicular, some fractures, medium |
| 374 | 422 | Basalt, grey & brown, some fractures |
| 422 | 435 | Basalt, grey & brown, vesicular, fractured |
| 435 | 454 | Basalt, reddish-brown & grey, vesicular, fractured |
| 454 | 479 | Basalt, grey & brown, some fractures |
| 479 | 485 | Basalt, grey & brown |

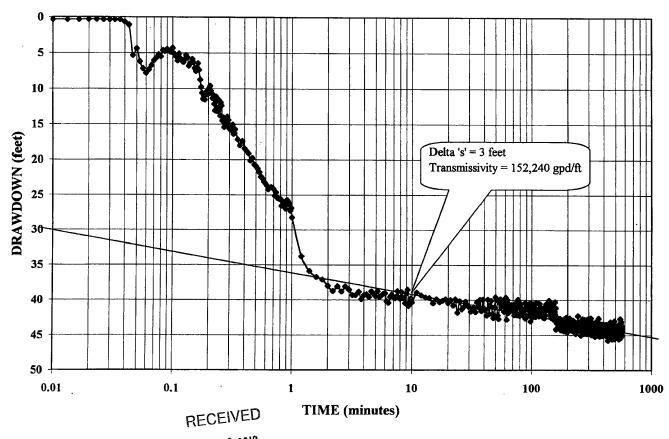
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Page 1 of 1

MAY 0 9 2000

WATER RESOURCES DEPT. SALEM, OREGON

BEAVERTON ASR #2 PUMP TEST 4/11/00 @ 1730 GPM



ASR #2 test data & graphs 4-11 test graph

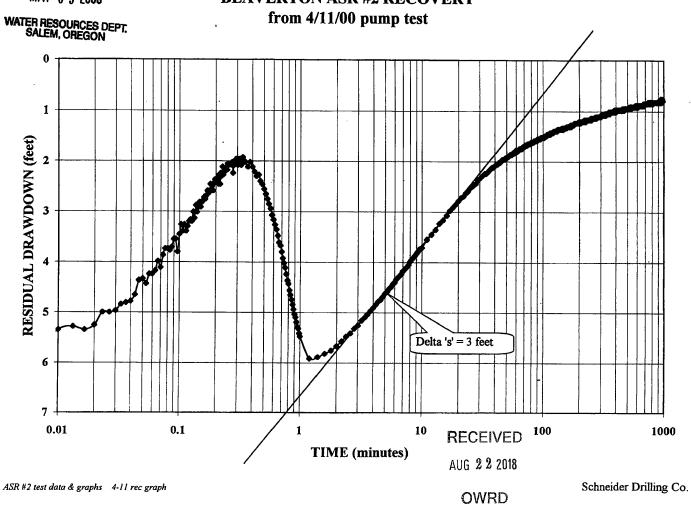
AUG 2 2 2018

Schneider Drilling Co.

OWRD

MAY 0 9 2000

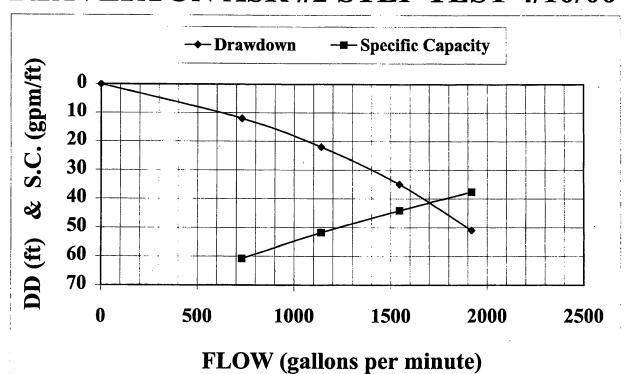
BEAVERTON ASR #2 RECOVERY



MAY 0 9 2000

WATER RESOURCES DEPT: SALEM, OREGON

BEAVERTON ASR #2 STEP TEST 4/10/00



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OWRD

Schneider Drilling Co.

ASR #2 test data & graphs DD & SC

STATE OF OREGON

WELL I.D. # L 5/450 START CARD # / 15/85 WATER SUPPLY WELL REPORT NOV 2 9 2001 (as required by ORS 537.765) Instructions for completing this report the the base of the form. SALEMUMBER SPUR ZPIO + (9) LOCATION OF WELL by legal description: (1) LAND OWNER County Washington Latitude _ Longitude _ Namé <u>Address</u> IW N or S Range_ E or W. WM. Zip State Keaventon Section 1/4 (2) TYPE OF WORK Tax Lot CO175 Lot Block Subdivision Street Address of Well (or nearest address) NE Side of intersect New Well Deepening Alteration (repair/recondition) Abandonment SW loon Dr and SW Scholls Fen (3) DRILL METHOD: Rotary Air Rotary Mud Cable Auger (10) STATIC WATER LEVEL: ☐ Other. _ ft. below land surface. Artesian pressure _lb. per square inch Date (4) PROPOSED USE: □ Domestic □ Community □ Industrial □ Irrigation (11) WATER BEARING ZONES: ☐ Thermal ☐ Injection Livestock Other Test Lake 200 Depth at which water was first found _ (5) BORE HOLE CONSTRUCTION: From To Estimated Flow Rate Explosives used Yes X No Type_ _____ Amount -700 Z 70 HOLE SEAL 300 340 Sacks or pounds 340 127 | Cen 110 350 100 880 147 450 1,000 (12) WELL LOG: How was seal placed: Method \Box A $\sqcap \mathbf{B}$ XC \Box D Ground Elevation. Other. Material SWL From To Backfill placed from _ Material ft. to ft. Very Sine Red/son 0 15 Size of gravel Gravel placed from ft. to_ 15 (6) CASING/LINER: 18 138 Welded Threaded From To Gauge Steel Plastic 147 16 X 38 240 240 300 salt Red 00 340 П П \Box 466 Liner: 50 66 Z Drive Shoe used ☐ Inside ☐ Outside ☒None Final location of shoc(s) 667 8/5 (7) PERFORATIONS/SCREENS: 70 □ Perforations Method 30 סקי ☐ Screens Material Type 880 940 Slot Tele/pipe Casing From To Number Diameter size Liner size 169 -6-01 Date started Completed (8) WELL TESTS: Minimum testing time is 1 hour Flowing (unbonded) Water Well Constructor Certification: V Pump □ Bailer ☐ Air ☐ Artesian I certify that the work I performed on the construction, alteration, or abandon-Yield gal/min Drill stem at Time Drawdown ment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my 275 12 O hr. 80 knowledge and belief. WWC Number __ / 757 (bonded) Water Well Constructor Certification: Temperature of water_ Depth Artesian Flow Found I accept responsibility for the construction, alteration, or abandonment work Was a water analysis done? ☐ Yes By whom performed on this well during the construction dates reported above. All work performed during this time is in complicate with Oregon water supply well construction standards. This report is the best of my knowledge and bell wwC Number Did any strata contain water not suitable for intended use? ☐ Too little ☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other. WWC Number

Depth of strata:

STATE OF OREGON (WELL I.D.)# L 58870 WATER SUPPLY WELL REPORT (START CARD) # 156690 (as required by ORS 537.765) Instructions for completing this report are on the last page of this form. (9) LOCATION OF WELL by legal description: Well Number ASR-4 (1) OWNER: Longitude County Washington Latitude Name City of Beaverton S W WM. Range 1 Township 1 Address PO Box 4755 SW 1/4 SE 1/4 Section 21 State OR Zip 97076 City Beaverton Subdivision Block Tax Lot 1800 Lot (2) TYPE OF WORK Street Address of Well (or nearest address) 13450 SW Hanson Rd ✓ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment Beaverton, OR (3) DRILL METHOD: (10) STATIC WATER LEVEL: Auger Date 6/16/04 120 ft. below land surface. Other Date (4) PROPOSED USE: Artesian pressure lb. per square inch. (11) WATER BEARING ZONES: ☐ Irrigation Community [] Industrial Domestic Other Observation Livestock Thermal [] Injection Depth at which water was first found 185 (5) BORE HOLE CONSTRUCTION: Special Construction approval Yes No Depth of Completed Well 482 ft. SWL **Estimated Flow Rate** From Explosives used Yes No Type 185 205 HOLE SEAL 350 340 From Sacks or pounds Diameter To Material 445 405 0 88 110 sacks 24" 88 cement 482' 20" 88 (12) WELL LOG: \square Λ \square B \mathbf{Z}_{C} \Box E Ground Elevation How was seal placed: Method Other . SWL From Material Backfill placed from ft to ñ. Material SEE ATTACHMENT FOR CONTINUATION* R Gravel placed from ft to Size of gravel (6) CASING/LINER: Welded Threaded Gauge Steel Plastic Diameter From To Casing: **20"** 88' Liner: 16" 482' Final location of shoe(s) RECEIVED (7) PERFORATIONS/SCREENS: Perforations Method Material Stainless Screens Type wire wrap JUN 3 0 2004 Tele/pipe Slot Diameter Casing Liner From size 2 2 2018 WATER RESOURCES DE ***** See Attached D lagram ***** SALEM, OREGON 170 180 .050 16"

Ø

V

Date started 8/06/03

and belief.

Signed

(unbonded) Water Well Constructor Certification:

(bonded) Water Well Constructor Certification:

(8) WELL TESTS: Minimum testing time is 1 hour

.050

.050

335

405

350

445

| Pump Yield gal/min | Bailer Drawdown | ØAir Drill stem at | Flowing Artesian Time |
|-----------------------|-----------------|------------------------------------|-----------------------|
| 225 | 3.7 | 420' | 1 hr. |
| Temperature of v | | Depth Artesian Flow Yes By whom | Found |

16"

16"

☐ Too little Did any strata contain water not suitable for intended use? Salty Muddy Odor Colored Other

Depth of strata

performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief. WWC Number Date ____

I accept responsibility for the construction, alteration, or abandonment work

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR

THIRD COPY-CUSTOMER

Completed 6/02/04

WWC Number Date

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards Materials used and information reported floove are true to the best of my knowledge



Geo-Tech Explorations
A Division of Boart Longyear
19700 SW Teton Ave
Tualatin, OR 97062
503-692-6400
503-692-4759 (fax)

 Start Card:
 156690

 Well Label:
 L58870

 Boring #:
 ASR - 4

Soil Profile Continued from Log:

| Material | From | To | SWL |
|--|--------------|-----|--|
| Fill | 0 | 5 | |
| silt & weathered rock | 5 | 15 | |
| highly weathered clayey silt w/ gravels | 15 | 35 | |
| nighty weathered clayey sitt wi graveis | 35 | 40 | |
| clay and silt vesicualar basalt | 40 | 62 | |
| basalt (gray to black) w/ green streaks | 62 | 90 | |
| vesicular basalt - reddish | 90 | 101 | |
| | 101 | 120 | |
| basalt (gray to dark gray) | 120 | 125 | |
| vesicular basalt - red | 125 | 130 | |
| vesicular basalt | 130 | 156 | |
| basalt - dark gray to black | 156 | 170 | |
| vesicular basalt - red | 170 | 188 | |
| basalt - gray to black | 188 | 190 | |
| basalt - gray to black some glass | 190 | 203 | |
| vesicular basalt - red some glass | 203 | 235 | |
| basalt - black | 235 | 270 | |
| basalt - gray and black | 270 | 335 | |
| basalt - gray and red | 335 | 340 | |
| basalt - gray to black | 340 | 355 | |
| Vesicular basalt slightly weathered and oxidized | 355 | 360 | |
| Basalt – black w/ some green | 360 | 415 | 212.3 |
| Basalt – dark gray to brown w/ red | 415 | 425 | † |
| Basalt – gray w/ some glass | 425 | 447 | |
| Vesicular basalt – slightly oxidized | 447 | 482 | 216.4 |
| Basalt gray to black | 1 | 1 | |
| | | + | |
| | | | + |
| RECEIVED | 1 | | |
| | + | - | |
| JUN 3 0 2004 | | | |
| WATER RESOURCES DEP* SALEM, OREGON | | | |

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STATE OF OREGON WATER SUPPLY WELL REPORT (as required by ORS 537.765 & OAR 690-205-0210)

| WELL LABEL # L | 108226 | |
|----------------|--------|--|
| START CARD # | 201163 | |

| (1) LAND OWNER Owner Well I.D. Site 44 | (9) LOCATION OF WELL (legal description) |
|--|--|
| | County WASHING Twp ! S N/S Range ! W E/W WM |
| | Sec 30 NW 1/4 of the SW 1/4 Tax Lot 2400 |
| Address 4755 SW Griffith DR | Tax Map Number 1S 1 30CB Lot |
| City on Si areas | Lat 0 ' or 0 DMS or DD |
| (2) TYPE OF WORK New Well Deepening Conversion | Long 0 " or 0 DMS or DD |
| Alteration (repair/recondition) Abandonment | Street address of well Nearest address |
| (3) DRILL METHOD | 18250 SW Kemmer Rd, Beaverton, OR |
| | (10) OT A TELO VILLA TOP D. Y. 103 (10) |
| Reverse Rotary Other | (10) STATIC WATER LEVEL Date SWL(psi) + SWL(ft) |
| (4) PROPOSED USE Domestic Irrigation Community | Existing Well / Predeepening |
| Industrial/ Commercial Livestock Dewatering | Completed Well 02-20-2011 560 |
| Thermal Injection X Other ASR test well | Flowing Artesian? Dry Hole? |
| | WATER BEARING ZONES Depth water was first found 600 ± |
| (5) BORE HOLE CONSTRUCTION Special Standard Attach copy) | SWL Date From To Est Flow SWL(psi) + SWL(ft) |
| Depth of Completed Well 1,021+ ft. BORE HOLE SEAL sacks/ | (1 600 |
| BORE HOLE SEAL sacks/ Dia From To Material From To Amt lbs | 02-20-2012 |
| 24 0 23 Cement 0 23 26 S | |
| 15 23 1,025 | 1,025 |
| | (11) WELL LOG Ground Flevation |
| <u> </u> | Ground Elevation |
| | Material From To SEE ATTACHED FORMATION LOG |
| | BEE AT INCIDENT CICALITICS FOR |
| Backfill placed from 1,021 + ft. to 1,025 ft. Material slough Filter pack from ft. to ft. Material Size | |
| Explosives used: Yes Type Amount | |
| | |
| (6) CASING/LINER Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd | |
| | |
| | Note: There is ~2' of cement grout inside 20" casing |
| | from ~21' to 23' with a 15" bore through it. |
| 8-91-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 | RECEIVED RECEIVED |
| | |
| Shoe Inside Outside Other Location of shoe(s) | AUG 2 2 2018 MAR 1 6 2012 |
| Temp casing Yes Dia From To To | |
| (7) PERFORATIONS/SCREENS | WATER RESOURCES DEF |
| Perforations Method | OWRD SALEM, OREGON |
| Screens Type Material | |
| Perf/S Casing/ Screen Scm/slot Slot # of Tele/ creen Liner Dia From To width length slots pipe size | Date Started 11-03-2011 Completed 02-20-2012 |
| | (unbonded) Water Well Constructor Certification |
| | I certify that the work I performed on the construction, deepening, alteration, or |
| - + | abandonment of this well is in compliance with Oregon water supply well |
| | construction standards. Materials used and information reported above are true to the best of my knowledge and belief. |
| (8) WELL TESTS: Minimum testing time is 1 hour | License Number 1367 Date 03-14-2012 |
| Pump Bailer Air Flowing Artesian | Password: (if filing electronically) |
| Yield gal/min Drawdown Drill stem/Pump depth Duration (hr) | Signed Milliam Signed |
| | (bonded) Water Well Constructor Certification |
| | I accept responsibility for the construction, deepening, 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 water supply well |
| The factor of th | construction standards. This report is true to the best of my knowledge and belief. |
| | License Number 649 Date 03-14-2012 Password: (is fling electronically) |
| | Signed Austrian Welmicks |
| | Contact Info (optional) |

Joint Water Commission Site 44 Formation Log by Schneider Drilling Co.

Start Card #201163

Tag #108226

| RECEIVED |
|---------------------------------------|
| MAR I e ania |
| WATER RESOURCES DEPT SALEM, OREGON |

| <u>FM</u> | <u>TO</u> | DESCRIPTION | WATER RESOURCES DE |
|------------|------------|--|--------------------|
| 0 | 2 | Topsoil | SALEM, OREGON |
| 2 | 6 | ••• | ONLEW, OREGON |
| 6 | 8 | Basalt, grey & brown, soft, decomposed | |
| 8 | 10 | Basalt, grey & brown, medium-soft, decomposed | |
| 10 | 21 | Basalt, grey & brown, medium-hard, occasional fractures | |
| 21 | 23 | Basalt, reddish brown, soft, vesicular, broken | |
| 23 | 26 | Basalt, brown & grey, soft, vesicular, broken | |
| 26 | 31 | Basalt, grey & brown, medium, fractured | |
| 31 | 40 | Basalt, red brown, soft, vesicular, broken | |
| 40 | 77 | Basalt, grey & brown, medium, fractured | |
| 77 | 87 | Basalt, grey, hard, occasional fractures | |
| 87 | 98 | Basalt, grey & brown, medium, fractured | |
| 98 | 110 | Basalt, grey & brown, medium, fractured, some vesicles | |
| 110 | 117 | Basalt, grey, medium, broken | |
| 117 | 162 | Basalt, grey & brown, medium, fractured, some vesicles | |
| 162 | 250 | Basalt, grey & brown, medium, fractured | |
| 250 | 280 | Basalt, brown, medium, fractired, some vesicles | |
| 280 | 288 | Basalt, brown & red, fractured, some vesicles | |
| 288 | 365 | Basalt, grey & brown, medium, fractured | |
| 365 | 380 | Basalt, grey & brown, hard, fractured | |
| 380 | 395 | Basalt. red, medium, fractured, vescicular | |
| 395 | 430 | Basalt, grey, medium, fractured | |
| 430 | 440 | Basalt, red & brown, medium, fractured | |
| 440 | 468 | Basalt, grey & brown, medium, fractured | |
| 468 494 | 494 | Basalt, grey & brown, hard, fractured | |
| | 498 | Basalt, grey, medium, fractured | |
| 498 | 504 | Basalt, grey & brown, soft-medium, fractured | |
| 504 | 539 | Basalt, grey & brown, soft, fractured, some vesicles | |
| 539 | 671 | Basalt, grey & brown, medium-hard, fractured | |
| 671 | 704 | Basalt, grey, hard, some fractures | |
| 704 | 720 | Basalt, grey & brown, hard, fractured | |
| 720 | 723 725 | Basalt, grey & brown, medium-hard, vesicular & claystone, brown, hard | |
| 723 725 | 725 726 | Basalt, grey & brown, medium, fractured, vesicular & claystone, brown-yellow, hard-soft | |
| 725 726 | | Basalt, grey & brown, medium-hard, fractured | |
| 741 | 741 744 | Basalt, grey & brown, hard | |
| 741 | | Basalt, grey, medium, fractured Basalt, grey, medium, fractured, occasional vescicles | |
| 752 | 752 776 | - · · | |
| 776 | 780 | Basalt, dark grey & some brown, medium, fractured, vesicular & some claystone green, soft | |
| 780 | 781 | Basalt, dark grey & occasional brown, medium-hard, fractured Basalt, grey & brown, medium, fractured, vesicular | |
| 781 | 813 | The state of the s | |
| 813 | 819 | Basalt, black, medium-soft, fractured, some vescicles Basalt, brown, soft, broken | |
| 819 | 821 | Basalt, black, medium, fractured | |
| 821 | 824 | Basalt, black & brown, soft, broken | |
| 824 | 825 | Basalt, blue grey & black, soft, broken | |
| 825 | 828 | Basalt, dark grey, soft, broken, vescicular | |
| 828 | 830 | Basalt, reddish grey, soft, broken, some vescicles | RECEIVED |
| 830 | 862 | Basalt, dark grey, medium-hard, some fractures | |
| 862 | 883 | Basalt, grey, medium-soft, fractured, some vesicles | ALIC 0 9 2010 |
| 883 | 947 | Basalt, dark grey, medium-hard, fractured | AUG 222018 |
| 947 | 954 | Basalt, grey, hard | |
| 954 | 966 | Basalt, black, medium-soft, broken, vesicular | OMDD |
| 966 | 978 | Basalt, dark grey, medium, fractured, some vescicles | OWRD |
| 978 | 1009 | Basalt, dark grey, medium-hard, fractured | |
| | 1023 | Basalt, dark grey, soft-medium, fractured, vesicular & occasional claystone, light brown, media | ım |
| 1023 | | Basalt, grey & some brown, soft-medium, fractured, vesicular & claystone, light brown, medium, fractured, light brown, light brown, medium, f | |
| 1025 | | Clay, grey-green, soft | |
| | | יייים מידים פריים פעיים פריים פעיים | Page 1 of 1 |

| STATE OF OREGON | WELL I.D. LABEL# L | 118526 |
|--|--|-------------------------|
| WATER SUPPLY WELL REPORT | START CARD# | 208767 |
| (as required by ORS 537.765 & OAR 690-205-0210) | ORIGINAL LOG# | |
|) LAND OWNER Owner Well LD. ASR 6 production well | | |
| irst Name | (9) LOCATION OF WELL (legal de | |
| dilaws PO Box 4755 | County WASHINGTO Twp 1 S N/ | |
| ity Beaverton State OR Zip 97076 | Sec 30 NE 1/4 of the SW Tax Map Number 1S130DA | 1/4 Tax Lot 6700 Lot |
| TYPE OF WORK New Well Despening Conversion | Lat " " or 0 | DMS or DD |
| Alteration (complete 2a & 10) Abandonment(complete 5a) PRE-ALTERATION | Long " or | DMS or DD |
| Dia + From To Gauge Stl Piste Wid Thru | Street address of well Nes | urest address |
| Casing: O O O O O O O O O O O O O O O O O O O | 9450 SW 166th Ave, Beaverton, OR 97007 | |
| Material From To Amt sacks/lbs Seal: | <u> </u> | |
| DRILL METHOD | (10) STATIC WATER LEVEL | SWL(psi) + SWL(fl) |
| Rotary Air Rotary Mud Cable Auger Cable Mud | Existing Well / Pre-Alteration | 3 W E(181) |
| Reverse Rotary Other | Completed Well 10-26-2015 | المستحدث المستدات |
| PROPOSED USE Domestic Irrigation Community | Flowing Artesian? | Dry Hole? |
| ☐ Industrial/ Commericial ☐ Livestock ☐ Dewatering ☐ Thermal ☐ Injection ☑ Other ASR | | ter was first found 26 |
|) BORE HOLE CONSTRUCTION Special Standard (Attach copy) | 11011 10 1381 | Flow SWL(psi) + SWL(ft) |
| Depth of Completed Well 1,078 n. | [_ | .000 340 |
| BORE HOLE SEAL sucks/ | | |
| Dia From To Material From To Amt lbs 36 0 18 Bentonite Chips 0 34 85 S | | |
| 34 18 56 Calculated 77 | | |
| 28 56 361 Cement 34 56 35 S 23 361 1,081 Calculated 24 | (11) WELL LOG Ground Elevation | - |
| How was seal placed: Method A B C D E | Ground Elevation Material | From To |
| M Other pour & probe bent. | See attached formation log | · · |
| Backfill placed from 1.078 ft. to 1.087 ft. Material crushed rock | DECEMENT DA CAMPA | |
| Filter pack from ft. to ft. Material Size | RECEIVED BY OWRD | |
| Explosives used: Yes Type Amount | | |
| A) ABANDONMENT USING UNHYDRATED BENTONITE Proposed Amount Pounds Actual Amount Pounds | NOV 3 6 2015 | |
| CASING/LINER | | |
| Casing Liner Dia + From To Gauge Stl Plate Wid Third | SALEM, OR | |
| 30 | | |
| 3 361 .375 375 <td>RECEIVED</td> <td></td> | RECEIVED | |
| | | |
| | AUG 2 2 2018 | |
| Shoe Inside Outside Other Location of shoe(s) Temp casing Yes Dia From To | | |
| | OMP | |
| PERFORATIONS/SCREENS Perforations Method Factory mill cut | OWRD | |
| Screens Type Material Perf/ Casing/ Screen Scrn/slot Slot # of Tele/ | Date Started05-21-2015 Comp | oleted_11-16-2015 |
| Screen Liner Dia From To width length slots pipe size | (unbonded) Water Well Constructor Certific | ention |
| Perf Liner 363 649 0.25 2.5 5,720 Perf Liner 714 1,076 0.25 2.5 7,240 | I certify that the work I performed on the co | |
| 117 14070 0.25 2.5 7,240 | abandonment of this well is in compliance construction standards. Materials used and inf | |
| | the best of my knowledge and belief. | |
| ▗ ▐▀▀▀▐▘▗▗▐▗▗▃▐▗▃▄▐▗▃▄▄▊ ▗ | License Number 1927 A Da | |

Signed (bonded) Water Well Constructor Certification

I accept responsibility for the construction, deepening, 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 water supply well construction standards. This report is true to the best of my knowledge and belief.

Date 11-30-2015 License Number 649 Signed Contact Info (optional)

O Flowing Artesian

Duration (hr) 104

O Bailer

O Air

°F Lab analysis Yes By

Drill stem/Pump depth

Yes (describe below) TDS amount 150
Description Amount

Pump

Yield gal/min 1,375

Water quality concerns?

Temperature 56

ppm Units

WATER SUPPLY WELL REPORT - continuation page

| WELL I.D. LABEL# L | 118526 |
|--------------------|--------|
| START CARD# | 208767 |
| ORIGINAL LOG# | |

| | ORIGINAL LOG# | |
|--|---|--|
| (2a) PRE-ALTERATION | Water Quality Concerns | |
| Dia + From To Gauge Stl Plate Wld Thrd | | t Units |
| | | |
| | | |
| | | |
| Material From To Amt sacks/lbs | | _ |
| | | |
| | | |
| | (40) OTATEC SVATED & PARK | |
| (5) BORE HOLE CONSTRUCTION | (10) STATIC WATER LEVEL SWI Date From To Fet Flow SWI (rei) | _ |
| DODE HOLE CENT | SWI. Date From To Est Flow SWL(psi) | + SWL(ft) |
| Dia From To Material From To Amt lbs | | |
| | - | + |
| Bentonite Chips 0 165 430 S | ╏ ╏╶╼╼┈┝ | - |
| Calculated 263 | [| + - 1 |
| Calculated 171 | | |
| | | |
| Calculated | | |
| | | |
| Calculated | | |
| FILTER PACK | (11) WELL LOG | |
| From To Material Size | | |
| | Material From | То |
| | | |
| | RECEIVED BY OWRD | |
| (6) CASING INED | 1 11021123 31 01113 | |
| (6) CASING/LINER | | + |
| Casing Liner Dia + From To Gauge Stl Plate Wid Thrd | NOV 3 0 2015 | + |
| | | |
| | | |
| | SALEM, OR | |
| | | |
| | | |
| | | |
| | | |
| | | † 1 |
| $R \times H \longrightarrow H \longrightarrow H \longrightarrow H \longrightarrow H \longrightarrow H \longrightarrow H \longrightarrow H \longrightarrow H \longrightarrow H$ | | |
| | | |
| | | |
| (7) PERFORATIONS/SCREENS | | |
| | RECEIVED | <u> </u> |
| Perti Casing/ Screen Scrn/slot Slot # of Tele/ Screen Liner Dia From To width length slots pipe size | 112021020 | |
| Screen Liner Dia From To width length slots pipe size | 4110 0 0 0040 | |
| | AUG 2 2 2018 | + |
| | | 1 |
| | | |
| | OWRD | |
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| | | |
| | | |
| | Comments/Remarks | |
| | Comments Remarks | |
| (9) W/PI I TPOTO, Minimum Andrews Andr | | |
| (8) WELL TESTS: Minimum testing time is 1 hour | [] | |
| Yield gal/min Drawdown Drill stem/Pump depth Duration (hr) | | |
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AUG 22 2018

CITY OF BEAVERTON ASR No. 6 PRODUCTION WELL - Tag L118526

OWRD

Formation Log by Schneider Water Services

| <u>FM</u> | <u>TO</u> | DESCRIPTION | |
|------------|------------|---|------------------|
| 0 | 5 | Gravel fill | |
| 5 | 7 | Soil, brown | |
| 7 | 11 | Clay, red, medium-soft w/soil layers | |
| 11 | 13 | Clay, red, medium-soft w/soil, brown including roots & vegetation | |
| 13 | 26 | Clay, brown, medium | |
| 26 | 31 | Siltstone, green, medium, broken | |
| 31 | 33 | Clay, light brown, medium-soft, sandy | |
| 33 | 48 | Basalt, brown & grey, broken w/some clay, brown, medium | |
| 48 | 55 | Clay, light brown, medium w/some basalt, grey, broken | |
| 55 | 56 | Basalt, grey, broken | |
| 56 | 79 | Basalt, grey, medium, fractured, some vesicles | • |
| 79 | 83 | Basalt, brown, medium, fractured | |
| 83 | 120 | Basalt, grey & brown, medium, fractured | |
| 120 | 131 | Basalt, grey, medium-hard | |
| 131 | 161 | Claystone, light brown, medium w/some basalt, grey | |
| 161 | 179 | Basalt, grey, medium-hard, fractured | |
| 179 | 199 | Basalt, grey & brown, medium, fractured | |
| 199 | 219 | Basalt, grey, medium-hard | |
| 219 | 229 | Basalt, brown & grey, medium-soft, fractured | |
| 229 | 259 | Basalt, grey & brown, medium, fractured | |
| 259 | 289 | Basalt, grey, medium, few fractures | |
| 289 | 320 | Basalt, grey & some brown, medium, fractured | |
| 320 | 333 | Basalt, grey & brown, medium-soft, fractured | |
| 333 | 352 | Basalt, brown, medium-soft, fractured, vesicular, broken | |
| 352 | 372 | Basalt, grey, medium, fractured | |
| 372 | 418 | Basalt, dark grey, hard | |
| 418 | 423 | Basalt, grey, medium | |
| 423 | 433 | Basalt, grey, medium-hard, fractured | |
| 433 | 450 | Basalt, brown & grey, medium-soft, broken, fractured w/claystone | |
| 450 | 463 | Basalt, grey & brown, medium-hard, fractured | |
| 463 | 478 | Basalt, grey & brown, medium, fractured | |
| 478 | 483 | Basalt, red, soft, broken, vesicular | |
| 483 | 488 | Basalt, brown & dark red, soft, broken, vesicular | |
| 488 518 | 518 524 | Basalt, grey & brown, medium-hard fractured, some vesicles | |
| 524 | | Basalt, grey, hard fractured | RECEIVED BY OWRD |
| 525 | 525 544 | Basalt, grey & brown, medium-hard, fractured | RECEIVED BY OWN |
| 544 | 547 | Basalt, red & brown, soft, broken, vesicular | • • • • • |
| 547 | 611 | Basalt, brown & red, soft, vesicular w/claystone, yellow Basalt, grey, hard, some fractures | NOV 3 0 2015 |
| 611 | 621 | | |
| 621 | 623 | Basalt, black, soft, broken, vesicular w/some claystone, blue Basalt, brown & black, medium-soft, very fractured, vesicular | SALEM, OR |
| 623 | 648 | Basalt, grey, medium fractured Basalt, grey, medium fractured | SALEM, OTT |
| 648 | 708 | Basalt, grey, hard, some fractures | |
| 708 | 711 | Basalt, grey & brown, medium, fractured w/some claystone, brown | |
| 711 | 724 | Basalt, grey, hard, fractured w/some claystone, brown | |
| 724 | 729 | Basalt, grey & brown, medium-hard, fractured, some vesicles | • |
| 729 | 798 | Basalt, grey, hard, some fractures | |
| / | | | |

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AUG 2 2 2018

CITY OF BEAVERTON ASR No. 6 PRODUCTION WELL - Tag L118526

Formation Log by Schneider Water Services

OWRD

| <u>FM</u> | <u>TO</u> | DESCRIPTION |
|-----------|-----------|--|
| 798 | 801 | Basalt, grey, hard & claystone, grey, medium-hard w/some basalt, black, vesicular |
| 801 | 815 | Basalt, dark grey & brown, hard, fractured, some vesicles & claystone, green & multi-colored |
| 815 | 821 | Basalt, dark grey, hard, fractured & claystone, green, medium |
| 821 | 836 | Basalt, dark grey & some brown, hard-medium, fractured, some vesicals w/claystone, yellow, brown & green |
| 836 | 848 | Basalt, dark grey & brown, medium, fractured, some vesicles |
| 848 | 850 | Basalt, grey & dark grey, medium, fractured w/clay & claystone, green |
| 850 | 860 | Basalt, dark grey, medium, fractured |
| 860 | 870 | Basalt, dark grey, medium-soft, fractured, some vesicals |
| 870 | 880 | Basalt, dark grey, medium, fractured, vesicular w/some claystone, blue-green |
| 880 | 893 | Basalt, dark grey, medium-hard, fractured, vesicular w/some claystone |
| 893 | 895 | Basalt, multi-colored, soft-medium, fractured, broken, some vesicles w/some claystone |
| 895 | 935 | Basalt, dark grey, medium-hard, fractured, few vesicals w/some claystone, green |
| 935 | 941 | Basalt, dark grey, medium-hard, fractured & claystone, grey |
| 941 | 945 | Basalt, multi-colored, medium-soft, vesicular & claystone, grey & some green, hard |
| 945 | 981 | Basalt, grey, medium-hard, fractured |
| 981 | 985 | Basalt, dark grey, medium-soft, broken, vesicular & claystone, grey, hard w/some clay, grey, soft |
| 985 | 997 | Basalt, multi-colored, broken, soft, vesicular w/some claystone, green |
| 997 | 1019 | |
| 1019 | 1024 | Basalt, grey & dark grey, medium-hard, fractured w/some claystone, grey |
| 1024 | 1039 | |
| 1039 | 1047 | Basalt, grey, medium-hard, fractured, some vesicals & mineralization |
| 1047 | 1056 | |
| 1056 | 1063 | |
| 1063 | 1070 | Basalt, grey, hard, fractured |
| 1070 | 1078 | |
| 1078 | 1083 | |
| 1083 | 1087 | Clay, light grey, medium, silty w/basalt, medium |

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SALEM, 200 2 of 2



July 20, 2018

GSI Water Solutions Attn: Ryan Dougherty 55 SW Yamhill Street, Suite 300 Portland, OR 97204

RE: Land Use Compatibility - Tax Lot ID # 1S121CD00200

Mr. Dougherty:

The City of Beaverton is in the preliminary design and planning stages for an Aquifer Storage and Recovery (ASR) project on a city owned parcel (TLID # 1S121CD00200), which is located in a single family residential (R7) zoning district. The subject site is currently developed with an existing pump station on a parcel owned by the City of Beaverton.

City planning staff have not received an application for the proposed ASR project. Public Sewer and Water and Utility Transmission Lines are permitted outright in the R7 zone, however, Public Sewer, Water Supply, Water Conservation and Flood Control Facilities, other than Transmission Lines, are permitted through a Conditional Use Permit.

If you have any questions or require any additional information concerning the land use entitlement process, please contact me at 503-526-2494 or esasin@BeavertonOregon.gov

Sincerely,

Elena Sasin

Associate Planner



July 20, 2018

GSI Water Solutions Attn: Ryan Dougherty 55 SW Yamhill Street, Suite 300 Portland, OR 97204

RE: Land Use Compatibility - Tax Lot ID # 1S130DA06700

Mr. Dougherty:

The City of Beaverton is in the preliminary design and planning stages for an Aquifer Storage and Recovery (ASR) project on a city owned parcel (TLID # 1S130DA06700), which is located in a single family residential (R5) zoning district. The subject site is currently developed with an existing aster detention facility on a parcel owned by the City of Beaverton.

City planning staff have not received an application for the proposed ASR project. Public Sewer and Water and Utility Transmission Lines are permitted outright in the R5 zone, however, Public Sewer, Water Supply, Water Conservation and Flood Control Facilities, other than Transmission Lines, are permitted through a Conditional Use Permit.

If you have any questions or require any additional information concerning the land use entitlement process, please contact me at 503-526-2494 or esasin@BeavertonOregon.gov

Sincerely,

Elena Sasin

Associate Planner

RECEIVED



July 20, 2018

GSI Water Solutions Attn: Ryan Dougherty 55 SW Yamhill Street, Suite 300 Portland, OR 97204

RE: Land Use Compatibility - Tax Lot ID # 2S105BC06500

Mr. Dougherty:

The City of Beaverton is in the preliminary design and planning stages for an Aquifer Storage and Recovery (ASR) project on a city owned parcel (TLID # 2S105BC06500), which is located in a single family residential (R5) zoning district. The subject site is currently a vacant residential parcel owned by the City of Beaverton.

City planning staff have not received an application for the proposed ASR project. Public Sewer and Water and Utility Transmission Lines are permitted outright in the R5 zone, however, Public Sewer, Water Supply, Water Conservation and Flood Control Facilities, other than Transmission Lines, are permitted through a Conditional Use Permit.

If you have any questions or require any additional information concerning the land use entitlement process, please contact me at 503-526-2494 or esasin@BeavertonOregon.gov

Sincerely,

Elena Sasin

Associate Planner

RECEIVED



August 14, 2018

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

RE: Groundwater Registration Modification Application for GR-343

Dear Sir or Madam,

Please find enclosed a groundwater registration (GR) modification application and supporting attachments for the City of Beaverton's GR-343. Also enclosed is a check for \$1,450 to cover the required application fee. This application is filed on behalf of the City of Beaverton's authorized agent, GSI Water Solutions, Inc.

GR-343 was originally filed by the City of Beaverton, claiming a total of 1,350 gallons per minute (gpm) from two wells. In 2014 a GR modification transfer for GR-343 was approved (T-10990), which added six additional points of appropriation (APOAs) and expanded the City of Beaverton's authorized place of use (POU) to reflect their current service area.

This GR modification application seeks to add five APOAs to GR-343 to provide the City of Beaverton's water system with greater flexibility and redundancy. The five proposed APOAs propose to utilize the existing POU authorized by GR-343 and T-10990.

Sincerely,

Jason Melady, RG, CWRE GSI Water Solutions, Inc.

Attachments:

Attachment 1 Groundwater Registration Statement for GR-343

Attachment 2 Authorized and Proposed Points of Appropriation Map

Attachment 3 Well Logs

Attachment 4 Land Use Information Form

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