



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

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.

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

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- Part 1 – Completed Minimum Requirements Checklist.
- Part 2 – Completed Application Map Checklist.
- Part 3 – Completed Applicant Information and Signature.
- Part 4 – Completed Groundwater Registration Modification Application – Groundwater Registration Information: (Only one Groundwater registration per application, unless the Groundwater registrations to be modified are layered).
- Completed Groundwater Registration Modification Application Map (Does not have to be prepared by a Certified Water Right Examiner).
- Groundwater registration modification fees – Amount enclosed: \$ 1250.00. (\$875.00 for a place of use change only; \$1,250.00 for any other change or combination).

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Attachments:

- N/A Request for Assignment Form and statutory fee. This form needs to be completed if the applicant owns the land to which the registration is appurtenant and is **not** the registration certificate holder of record. The Request for Assignment Form is available at <https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>.
Assignment is not needed for any person or entity who can demonstrate authorization to request recognition of a modification (e.g. legal representative, power of attorney, agent, etc.) **or** the applicant is named on the certificate of registration, or has been assigned to the certificate of registration.
- N/A Oregon Water Resources Department's Land Use Information Form with approval and signature (or signed land use form receipt stub) from each local land use authority in which water is to be diverted, conveyed, and/or used. Not required if water is to be diverted, conveyed, and/or used only on federal lands or if **all** of the following apply: a) a change in place of use only, b) no structural changes, c) the use of water is for irrigation only, and d) the use is located within an irrigation district or an exclusive farm use zone.
- N/A Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation.

(For Staff Use Only)

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

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

Other/Explanation _____

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

Part 2 of 4 – Groundwater Registration Modification Map Checklist

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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 not have to be prepared by a Certified Water Right Examiner. Check all boxes that apply.

- Permanent quality printed with dark ink on good quality paper.
The size of the map can be 8 1/2 x 11 inches, 8 1/2 x 14 inches, 11 x 17 inches, or up to 30 x 30 inches. For 30 x 30 inch maps, one extra copy is required.
A north arrow, a legend, and scale.
The scale of the map must be: 1 inch = 400 feet, 1 inch = 1,320 feet, the scale of the county assessor map if the scale is not smaller than 1 inch = 1,320 feet, or a scale that has been pre-approved by the Department.
Township, Range, Section, 1/4 1/4, DLC, Government Lot, and other recognized public land survey lines.
Tax lot boundaries (property lines) are required. Tax lot numbers are recommended.
Major physical features including rivers and creeks showing direction of flow, lakes and reservoirs, roads and railroads.
Major water delivery system features from the point(s) of appropriation such as main pipelines, canals, and ditches.
Existing place of use that includes hachuring, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions. If less than the entirety of the registration is being changed, a separate hachuring is needed for the portion of the registration left unchanged.
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.
Existing point(s) of appropriation with distance and bearing or coordinates from a recognized survey corner.
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

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Applicant Information

APPLICANT/BUSINESS NAME Joel (Joe) R. Schumacher, authorized signatory for owners		PHONE NO. 503.932.4984	ADDITIONAL CONTACT NO. 503.394.3577
ADDRESS 38838 Shelburne Drive		FAX NO. N/A	
CITY Scio	STATE OR	ZIP 97374	E-MAIL See Remarks
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.			

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

APPLICANT/BUSINESS NAME Aspen Rural Land Consulting C/O Eric Urstadt, PE, PLS		PHONE NO. 971.250.1520	ADDITIONAL CONTACT NO. 503.647.1919
ADDRESS 39290 NW Murtaugh Road		FAX NO. N/A	
CITY North Plains	STATE OR	ZIP 97133	E-MAIL See Remarks
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.			

Explain in your own words what you propose to accomplish with this modification; and why:
This application proposes to add a new Point of Appropriation (POA) to a Groundwater Registration.

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

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

(Check one box)

- By signing this application, I (we) understand that, upon receipt of the draft preliminary determination and prior to Department approval of the Groundwater modification, I (we) will be required to provide landownership information and evidence that I am authorized to pursue the modification as identified in OAR 690-382-0400(16)(a); **OR**
- I (we) affirm the applicant is a municipality as defined in ORS 540.510(3)(b) and that the right is in the name of the municipality or a predecessor; **OR**
- I (we) affirm that the applicant is an entity with the authority to condemn property and is acquiring the property to which the Groundwater registration proposed for modification is appurtenant by condemnation and have attached supporting documentation.

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

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



Joel R Schumacher
Applicant Signature

Joel (Joe) R. Schumacher
Print Name (and Title if applicable)

5-13-19
Date

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

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Per Attachment F, the legal landowners are a one half interest by the Dorothy L. Schumacher Trust dated Oct., 25, 2000 and a one half interest by the Richard G. Schumacher Trust dated Oct., 25, 2000. Joel (Joe) R. Schumacher is a trustee of the Richard G. Schumacher Trust.

Per Attachment G, Joel (Joe) R. Schumacher is an authorized signatory of the Dorothy L. Schumacher Trust for water rights purposes. Joe Schumacher is a trustee of that trust.

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Check the appropriate box, if applicable:

- 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 None Known	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.

ENTITY NAME None Known	ADDRESS	
CITY	STATE	ZIP



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

ENTITY NAME Marion County Planning	ADDRESS 5155 Silverton Rd NE	
CITY Salem	STATE OR	ZIP 97305

ENTITY NAME See note below	ADDRESS	
CITY	STATE	ZIP

Note: The City of Sublimity is just west of the land where water will be diverted, conveyed and used, but none of the land where the water will be diverted, conveyed, and used is in the jurisdiction of the City per the Marion County GIS as per Attachment E.

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Part 4 of 4 – Groundwater Registration Information

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

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

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

POA Name or Number	Is this POA Authorized by the registration or is it Proposed?	OWRD Well Log ID# (or Well ID Tag # L-___)	Twp		Rng		Sec	¼ ¼		Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
Well #1	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	MARI 9166	8	S	1	W	35	SW	NW	300*	1325' S & 2494' W from N1/4 S35 ***
Rich's Well	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	MARI 9168****	8	S	1	W	35	NE	NW	500**	0.5 chains S & 2.5 chains W from S 1/4 S26****

*Tax Lot 300 of Tax Map for Section 35(BC)

**Tax Lot 500 of Tax Map for S35.

*** per GR 2352

****per cert. 29755

- **Check all type(s) of modifications(s) proposed below (modification "CODES" are provided in parentheses):**

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

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

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

Table 2. Description of Modifications to Registration GR-2352 (Certificate # GR-2234)

List only the part of the registration that will be modified. For the acreage in each 1/4 1/4, list the modification proposed. If more than one modification, specify the acreage associated with each modification. If more than one POA, specify the acreage associated with each POA.

AUTHORIZED (the "from" or "off" lands) The listing that appears in the registration BEFORE PROPOSED CHANGES List only that part or portion of the groundwater registration that will be changed.													Proposed Changes (see "CODES" from previous page)	PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made.												
Twp	Rng	Sec	1/4	1/4	Tax Lot	Gvt Lot or DLC	Acres	Type of USE listed on Certificate	POA(s) (name or number from Table 1)	Priority Date	Twp	Rng		Sec	1/4	1/4	Tax Lot	Gvt Lot or DLC	Acres	New Type of USE	POA(s) to be used (from Table 1)	Priority Date				
EXAMPLE																										
2	S	9	E	15	NE	NW	100		15.0	Irrigation	POD #1 POD #2	1901	POU/POD	2	S	9	E	1	NW	NW	500	1	10.0		POD #5	1901
"	"	"	"	"	"	"	"	"	"	EXAMPLE	"	"	"	"	"	"	"	"	"	"	"	"	"	"	POD #6	1901
8	S	1	W	35	NE	NW	800	?	13.2	Irrig	Well #1	1939	APOA	8	S	1	W	35	NE	NW	800	?	13.2	Irrig	Rich's Well	1953
8	S	1	W	35	SE	NW	900	?	16.5	Irrig	Well #1	1939	APOA	8	S	1	W	35	SE	NW	900	?	16.5	Irrig	Rich's Well	1953
TOTAL ACRES									29.7	TOTAL ACRES									29.7							

Additional remarks: The currently approved POA will no longer be used for the lands involved in this application as shown in the above table. The applicant and Aspen both wish to have correspondence emailed to them, but we also want documents physically mailed. Our emails are: ericurstadt@hotmail.com & irsfarms@smt-net.com. Joel (Joe) R. Schumacher, farmer of the land and has confirmed to me that the new POA is on tax lot 500.

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

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

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

If YES, list the other certificate, water use permit, or other Groundwater registration numbers:
GR-2353

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:

- 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. **RECEIVED**
(Tip: You may search for well logs on the Department’s web page at: http://apps.wrd.state.or.us/apps/gw/well_log/) **MAY 23 2019**

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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 already built? (Yes or No)	If an existing well, OWRD Well ID Tag No. L- _____	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well - specific rate (cfs or gpm). If less than full rate of water right
Well #1	Yes	MARI 9166	202 feet	5 inch	un known	240 feet	unknown	84 feet in 1939	Late Tertiary Basalt – Columbia River Basalt	The well produces 50 GPM per the well log

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well, OWRD Well ID Tag No. L-_____	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well - specific rate (cfs or gpm). If less than full rate of water right
Rich's Well	Yes	MARI 9168*	260 feet	8 inch	+1 feet to -40 feet	+1 feet to -40 feet	None specified	85 feet in 1959	Late Tertiary Basalt - Columbia River Basalt	The well produces 350 GPM per well log

*MARI 9168 has a number of other numbers, see attachment D.

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Aspen

Rural Land Consulting

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

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

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

13 May, 2019

Subject: New Applications for two Groundwater Registration Modifications

To Whom It May Concern,

Enclosed are two applications for a Groundwater Registration Modifications (GRMods) together with the following attachments. Because most of the attachments apply to both GRMods, the attachments and application are being submitted together.

- A. Two assignments by proof (and \$200 of the fees)
- B. Land Use Compatibility Form
- C. GRMod Map
- D. Well Logs
- E. City of Sublimity boundary exhibit
- F. Property deed
- G. Authorization for Joel (Joe) R. Schumacher to sign.
- H. ~~A check made out to Oregon Water Resources Department for \$2700.00 (= 2500 + 200)~~

Please let me know if there is any concerns or you need any more information.

Respectfully,
Aspen Rural Land Consulting

Eric Urstadt, PE, PLS

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OBSERVATION WELL

4100
M 31
8/1W-35 C (11)

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

STATE ENGINEER WATER WELL REPORT
SALEM, OREGON STATE OF OREGON

State Well No. _____
State Permit No. DI-17

(1) OWNER:
Name Richard Schumacher
Address Sublimity, Oregon

(2) LOCATION OF WELL:
County Marion Owner's number, if any _____
Bearing and distance from section or subdivision corner _____

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

(4) PROPOSED USE (check):
Domestic Industrial Municipal
Irrigation Test Well Other

(5) TYPE OF WELL:
Rotary Driven
Cable Jetted
Dug Bored

(6) CASING INSTALLED:
8 5/8" Diam. from 110 ft. to 410 ft. Gage 277
" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____

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

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

(9) CONSTRUCTION:
Was well gravel packed? Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft. 29 1/2
Was a surface seal provided? Yes No To what depth? _____ ft.
Material used in seal— 3 cu ft grout
Did any strata contain unusable water? Yes No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(10) WATER LEVELS:
Static level 85 ft. below land surface Date 5/19/59
Artesian pressure _____ lbs. per square inch Date _____

Log Accepted by: Richard Schumacher Date 5/25, 1959
[Signed] _____ (Owner)

(11) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom?
Yield: 350 gal./min. with 110 ft. drawdown after 1/2 hrs.
" 340 " 106 1/2 " 1/2 "
" 325 " 94 " 1/2 "
Bailer test 70 gal./min. with 64 ft. drawdown after _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

(12) WELL LOG:
Diameter of well 8 inches.
Depth drilled 222 ft. Depth of completed well 260 ft.

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

MATERIAL	FROM	TO
Top soil	0	3
Red & yellow clay	3	17
Andesite basalt (fresh)	17	99 1/2
Volcanic ash (soft)	99 1/2	114 1/2
Andesite basalt (shattered and caving) fresh	114 1/2	122 1/2
Andesite basalt <i>Fresh</i>	122 1/2	238
Possible contact point between two lava flows	238	239
Vesicular andesite basalt	239	260

Drilled 12" hole down to 39 1/2 ft and cemented casing in and back filled to top of hole with drill cuttings

Jumped pin on 8" bit at 39' trying to straighten hole

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SEE DEEPENING 1-3-62
Work started 4-17 1959 Completed 5-19 1959

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

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

NAME Robinson Drilling & Supply
(Person, firm, or corporation) (Type or Print)
Address 140 Pine St. Salem, Ore.

Driller's well number 8/1W-26P1
[Signed] Harry A. Robinson
(Well Driller)
License No. 22 Date May 25, 1959

Site Identification (Click to Collapse...)

GW LogID: MARI 9168 [Well Log Database](#)
 GW Well Tag Number:
 Tag Verified on Well: No
 Site Type: WELL
 Primary Use: IRRIGATION
 Unused Status:
 Site Source Organization:
 Site Source OWRD:
 Established By: KARL WOZNAK
 Established Date: 11/21/2001
 Bonded Company: ROBINSON DRILLING & SUPPLY
 Stage: COMPLETE

Location (Click to Collapse...)

Latitude/Longitude
 Latitude: 44.83867900 Horiz. Error: 10.00
 Longitude: -122.77454100 Datum: WGS1984
 Lat/Long Source: SITE VISIT AND IMAGERY
 Location
 TRSQQ: WM 8.00S1.00W35NWNE
 Tax Map: 08S-01W-35
 Taxlot: 500
 24 Quad: STAYTON
 Basin: 2 - Willamette
 County: Marion
 WM District: 16
 WM Region: NW
 LSD Elev: 562.00 Accy: 5.00 Datum: NGVD1928
 Elev Source: 7.5-MINUTE MAP
[Groundwater Mapping Tool](#)



USDA FSA, DigitalGlobe, GeoEye | Oregon Water Resources Department an... Powered by Esri

Water Rights (Click to Collapse...)

Water Right PODs

POD	WRIS Details	Application	Permit	Cert	Transfers	Claim	supplemental	priority date	Season of Use	max rate cfs	rate cfs	rate cfs est	TRSQQ
POD 1 - WELL 2 > SOUTH BRANCH BEAVER CREEK	WRIS	G 1338	G 1210	29755				1/7/1959	3/1 ~ 10/31	0.540	0.540		WM8.00S1.00W35NENW

Well Construction History (Click to Collapse...)

Well Construction History

Well Log Id	Well Log	Work Type	Startcard	Well Tag	Owner Name	First Water	Max Case Diam.	Max Case Depth	Max Seal Depth	Max Depth	Completed Depth	Complete Date
MARI 9168	Log	DEEPENING			RICHARD SCHUMACHER		8"			456.00'	260.00'	5/19/1959
MARI 9169	Log	DEEPENING			RICHARD SCHUMACHER		8"			456.00'	285.00'	1/3/1962
MARI 14733	Log	DEEPENING	24320		RICHARD SCHUMACHER	132.00'	8"			456.00'	456.00'	3/15/1991

Well Log	Aquifer	Aq at Max Depth	System Aquifer	Regional USGS Aquifer	Local USGS Aquifer
MARI 9168	Columbia River Basalt	Late Tertiary Basalt Aq	Late Tertiary Basalt Aquifers		Columbia River Basalt Group
MARI 9169	Columbia River Basalt	Late Tertiary Basalt Aq	Late Tertiary Basalt Aquifers		Columbia River Basalt Group
MARI 14733	Columbia River Basalt	Late Tertiary Basalt Aq	Late Tertiary Basalt Aquifers		Columbia River Basalt Group

Well Test

Well Log	Test Type	Yield (gpm)	Drawdown	Flow Units	Duration (hr)	Calculated Specific Capacity (gpm/ft)
MARI 9168	Pump	350.0	110.0		0.0	3.18

Lithology (Click to Collapse...)

Lithology

Start Depth	End Depth	Prim. Lithology	Lithology Desc.	Water Bearing Zone	Water Bearing Zone W/L
0.00	3.00	Soil	Soil		
3.00	17.00	Clay	Red & Yellow Clay		
17.00	99.50	Basalt	Basalt		

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01-2/4

99.50'	114.50'	Ash	Soft Ash
114.50'	122.50'	Basalt	Fractured Basalt
122.50'	238.00'	Basalt	Basalt
238.00'	239.00'	Clay	Clay
239.00'	260.00'	Basalt	Vesicular Basalt
260.00'	285.00'	Basalt	Basalt
285.00'	291.00'	Basalt	Medium Hard Gray Basalt
291.00'	296.00'	Basalt	Vesicular Gray & Green Basalt
296.00'	307.00'	Basalt	Fractured Gray Basalt
307.00'	336.00'	Basalt	Hard Gray Basalt
336.00'	355.00'	Basalt	Medium Hard Gray Basalt
355.00'	360.00'	Basalt	Vesicular Black Basalt & Tan Claystone
360.00'	384.00'	Basalt	Medium Hard Basalt
384.00'	435.00'	Basalt	Hard Basalt
435.00'	450.00'	Basalt	Fractured Basalt
450.00'	456.00'	Basalt	Hard Black Basalt

Well Construction

(Click to Collapse...)

Construction

Feature Type	Start Depth	End Depth	Diameter	Material Type
Seal	0.00		39.50	12.000 CEMENT GROUT
Casing	-1.00		40.00	8.000 STEEL
Open Interval	40.00		285.00	8.000 OPEN HOLE
Open Interval	285.00		456.00	6.000 OPEN HOLE

Measured Water Level

(Click to Collapse...)

Records/Page: 20

Find

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	W/P Height
5/19/1959		85.00	477.00	DRILLER	WELL LOG	REPORTED	UNKNOWN	
12/1/1961		85.00	477.00	USGS	GWATER	REPORTED	STATIC	
1/3/1962		85.00	477.00	DRILLER	WELL LOG	REPORTED	UNKNOWN	
10/26/1962		89.40	472.60	OWRD	STATE OBSERVATION WELL	STEEL TAPE	STATIC	0.00
3/6/1963		86.78	475.22	OWRD	STATE OBSERVATION WELL	STEEL TAPE	STATIC	0.00
5/16/1963		86.00	476.00	OWRD	STATE OBSERVATION WELL	STEEL TAPE	STATIC	0.00
8/14/1963		109.94	452.06	OWRD	STATE OBSERVATION WELL	AIRLINE	STATIC	0.00
12/2/1963		89.70	472.30	OWRD	STATE OBSERVATION WELL	STEEL TAPE	STATIC	0.00
1/14/1964		88.23	473.77	OWRD	STATE OBSERVATION WELL	STEEL TAPE	STATIC	0.00
2/14/1964		87.46	474.54	OWRD	STATE OBSERVATION WELL	STEEL TAPE	STATIC	0.00
5/25/1964		86.80	475.20	OWRD	STATE OBSERVATION WELL	STEEL TAPE	STATIC	0.00
8/5/1964				OWRD	STATE OBSERVATION WELL	NOT MEASURED	PUMPING	0.00
11/10/1964		89.60	472.40	OWRD	STATE OBSERVATION WELL	STEEL TAPE	STATIC	0.00
2/8/1965		88.74	473.26	OWRD	STATE OBSERVATION WELL	STEEL TAPE	STATIC	0.00
5/10/1965		88.51	473.49	OWRD	STATE OBSERVATION WELL	STEEL TAPE	STATIC	0.00
8/16/1965				OWRD	STATE OBSERVATION WELL	NOT MEASURED	PUMPING	0.00
11/4/1965		95.35	466.65	OWRD	STATE OBSERVATION WELL	STEEL TAPE	STATIC	0.00
2/8/1966		91.43	470.57	OWRD	STATE OBSERVATION WELL	STEEL TAPE	STATIC	0.00
5/9/1966		89.33	472.67	OWRD	STATE OBSERVATION WELL	STEEL TAPE	STATIC	0.00
8/1/1966		100.40	461.60	OWRD	STATE OBSERVATION WELL	STEEL TAPE	STATIC	0.00

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OWRD

13192

01-3/7

Flow Meter/Power Meter

(Click to Collapse...)

Records/Page: 20

Flow Meter/Power Meter

Organization	OWRD	Date	Water Use Year	Final Use (af)	FM Reading Last Year	FM Reading	FM Multiplier	FM Units	FM Rollover Nbr	FM Rollover Value	Final Use Source	Final Use Determined By
OWRD	GROUNDWATER SECTION	4/20/2018							1	6		

Available Data

(Click to Collapse...)

Aquifer Test Completed:

Water Chemistry:

OWRD Recorder:


Geophysical Log Completed:

Flowing Well:

Other OWRD Recorder:

Saline:

Rock Geochemistry:

 - View Hydrograph

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Oregon Water Resources Department
OWRD Groundwater Hydrographs

DI-5/7
Main Help
Return Contact Us

Search Records

Well Log Id:

or GW Logid: MARI0009168



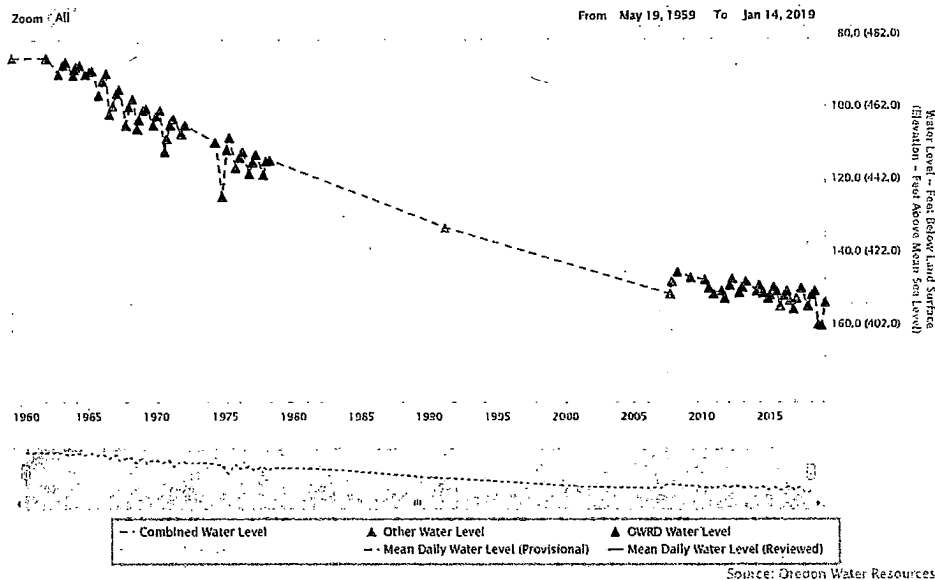
Well Location: 8,00S1,00W-35BAA
Log ID: MARI 9168 [Well Log](#)
Well Tag: ---
State Observation: 675
USGS Site:

Total Depth (ft): 456 ft
Land Surface Elevation: 562 ft
Vertical Reference Datum: NGVD1929
Primary Use of Well: IRRIGATION
Primary Aquifer System: Late Tertiary Basalt Aq

Water Level Count: 85
Wtr Lvl Date Range: 5/19/1959 - 1/14/2019
Wtr Lvl Min-Max: 85 - 159.06 ft
Recorder Wtr Lvl Count: 0
Recorder Wtr Lvl Date Range: ---
Recorder Wtr Lvl Min-Max: ---

Groundwater Levels for MARI 9168

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OWRD



Water Level Daily Water Level Lithology Construction

Measured Water Levels for MARI 9168

Well	Date	Time	Water Level (BL...)	Water Level Elev. (FT-AMSL)	Organization	OWRD	Method	Status	Meas. Point Ht.	Reviewed
1	MARI0009168	05/19/1959	85	477.00	DRLR	WLOG	REPORTED	UNKNOWN		PLAUSIBLE
2	MARI0009168	12/01/1961	85	477.00	USGS	GWTR	REPORTED	STATIC		
3	MARI0009168	01/03/1962	85	477.00	DRLR	WLOG	REPORTED	UNKNOWN		PLAUSIBLE
4	MARI0009168	10/26/1962	89.4	472.60	OWRD	SOW	STEEL TAPE	STATIC	0	PLAUSIBLE
5	MARI0009168	03/06/1963	86.78	475.22	OWRD	SOW	STEEL TAPE	STATIC	0	PLAUSIBLE
6	MARI0009168	05/16/1963	86	476.00	OWRD	SOW	STEEL TAPE	STATIC	0	PLAUSIBLE
7	MARI0009168	08/14/1963	109.94	452.06	OWRD	SOW	AIRLINE	STATIC	0	UNRELIABLE
8	MARI0009168	12/02/1963	89.7	472.30	OWRD	SOW	STEEL TAPE	STATIC	0	PLAUSIBLE
9	MARI0009168	01/14/1964	88.23	473.77	OWRD	SOW	STEEL TAPE	STATIC	0	PLAUSIBLE
10	MARI0009168	02/14/1964	87.46	474.54	OWRD	SOW	STEEL TAPE	STATIC	0	PLAUSIBLE
11	MARI0009168	05/25/1964	65.8	475.20	OWRD	SOW	STEEL TAPE	STATIC	0	PLAUSIBLE
12	MARI0009168	08/05/1964			OWRD	SOW	NOT MEASURED	PUMPING	0	
13	MARI0009168	11/10/1964	89.5	472.40	OWRD	SOW	STEEL TAPE	STATIC	0	PLAUSIBLE
14	MARI0009168	02/08/1965	88.74	473.26	OWRD	SOW	STEEL TAPE	STATIC	0	PLAUSIBLE
15	MARI0009168	05/10/1965	88.51	473.49	OWRD	SOW	STEEL TAPE	STATIC	0	PLAUSIBLE
16	MARI0009168	08/16/1965			OWRD	SOW	NOT MEASURED	PUMPING	0	
17	MARI0009168	11/04/1965	95.35	466.65	OWRD	SOW	STEEL TAPE	STATIC	0	PLAUSIBLE
18	MARI0009168	02/08/1966	91.43	470.57	OWRD	SOW	STEEL TAPE	STATIC	0	PLAUSIBLE
19	MARI0009168	05/09/1966	89.33	472.67	OWRD	SOW	STEEL TAPE	STATIC	0	PLAUSIBLE
20	MARI0009168	08/01/1966	100.4	461.60	OWRD	SOW	STEEL TAPE	STATIC	0	PLAUSIBLE
21	MARI0009168	11/09/1966	98.2	463.88	OWRD	SOW	STEEL TAPE	STATIC	0	PLAUSIBLE
22	MARI0009168	02/14/1967	94.63	467.37	OWRD	SOW	STEEL TAPE	STATIC	0	PLAUSIBLE
23	MARI0009168	05/08/1967	93.69	468.31	OWRD	SOW	STEEL TAPE	STATIC	0	PLAUSIBLE

Search took 0.004 sec

1-23 of 106

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NOTICE TO WATER WELL CONTRACTOR

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

JAN - 8 1962 WATER WELL REPORT

STATE ENGINEER STATE OF OREGON SALEM, OREGON (Please type or print)

STATE ENGINEER, SALEM 10, OREGON within 30 days from the date of well completion.

9/169 MAR 1969

State Well No. 81 W-35 C(1) State Permit No.

(1) OWNER:

Name Richard Schumacher Address Sublimity, Ore.

(2) LOCATION OF WELL:

County Marion Driller's well number 8/1W-26P 35c 1/4 Section T. R. W.M. Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):

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

(4) PROPOSED USE (check):

Domestic [] Industrial [] Municipal [] Irrigation [x] Test Well [] Other []

(5) TYPE OF WELL:

Rotary [] Driven [] Cable [x] Jetted [] Dug [] Bored []

(6) CASING INSTALLED:

Threaded [] Welded [] Diam. from ft. to ft. Gage

(7) PERFORATIONS:

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

(8) SCREENS:

Well screen installed [] Yes [] No Manufacturer's Name Model No. Slot size Set from ft. to ft. Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:

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

(10) WATER LEVELS:

Static level 85 ft. below land surface Date 12/1/61 Artesian pressure lbs. per square inch Date

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level Was a pump test made? [] Yes [] No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. Baller test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. Date Temperature of water Was a chemical analysis made? [] Yes [] No

(12) WELL LOG:

Diameter of well below casing 8 Depth drilled 25 ft. Depth of completed well 285 ft. Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

Table with columns MATERIAL, FROM, TO. Entry: Basalt (fresh) 260 285

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Work started 12/1 1961. Completed 1/3/62 19 Date well drilling machine moved off of well 19

(13) PUMP:

Manufacturer's Name Type: H.P.

Water Well Contractor's Certification:

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

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

Address 2211 Front St. NE Salem, Ore.

Drilling Machine Operator's License No. 22

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

Contractor's License No. 22 Date 1/3/62, 19

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

MAR 14 1991
 14733

MAR 26 1991 (D1-77) 85/76/35 ba

WATER RESOURCES DEPARTMENT (START CARD) # 24320

(1) OWNER:

Name Richard Schumacher
 Address 7987 Boedigheimer Road
 City Sublimity State OR Zip 97385

(2) TYPE OF WORK:

New Well Deepen Recondition Abandon

(3) DRILL METHOD

Rotary Air Rotary Mud Cable
 Other

(4) PROPOSED USE:

Domestic Community Industrial Irrigation
 Thermal Injection Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes No Depth of Completed Well 456 ft.
 Explosives used Yes No Type _____ Amount _____

Diameter	HOLE		SEAL		Amount sacks or pounds
	From	To	Material	From To	
EXISTING HOLE					
8"	0	285			
1/8"	285	456			

How was seal placed: Method A B C D E
 Other

Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

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

Final location of sheets:

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
350	1.00'	450'	1 hr.

Temperature of water 52° Depth Artesian Flow Found _____

Was a water analysis done? Yes By whom _____

Did any strata contain water not suitable for intended use? Too little

Salty Muddy Odor Colored Other _____

Depth of strata: _____

(9) LOCATION OF WELL by legal description:

County Marion Latitude _____ Longitude _____
 Township 8 N of S Range 1 E of W.W.M.
 Section 35 NE 1/4 NW 1/4
 Tax Lot 5531 Lot 2227 Block _____ Subdivision _____
 Street Address of Well (or nearest address) 7987 Boedigheimer Rd. SE Sublimity, OR. 97385

(10) STATIC WATER LEVEL:

132 ft. below land surface. Date 3/15/91

Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 132

From	To	Estimated Flow Rate	SWL
291	307	40	132
355	360	30	132
435	450	90	132

(12) WELL LOG:

Ground elevation 600'

Material	From	To	SWL
Basalt grey med-hard	285	291	
Basalt grey & green vesi.	291	296	
Basalt grey w/fractures	296	307	
Basalt grey hard	307	336	
Basalt grey med-hard	336	355	
Basalt blk. soft W/Clays-			
tone tan vesicular	355	360	
Basalt med-hard w/small			
vesicules	360	384	
Basalt hard dense	384	435	
Basalt some fractured	435	450	
Basalt blk hard	450	456	

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Date started 3/12/91 Completed 3/15/91

(unbonded) Water Well Constructor Certification:

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

Signed _____ Date _____ WWC Number _____

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. Work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

Signed Eugene K. Mack WWC Number 1304
 Date 3/18/91

STATE ENGINEER
Salem, Oregon

916
M

Well Record

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

02-1/2

OWNER: Hilda Schumacher

MAILING ADDRESS:

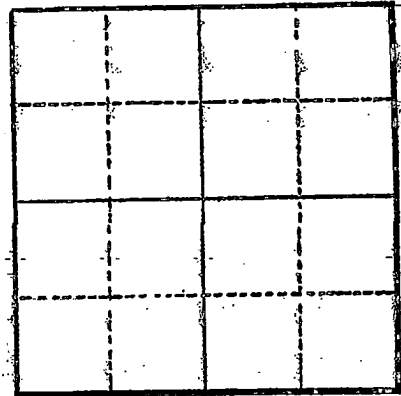
LOCATION OF WELL: Owner's No. _____

CITY AND STATE:

Sublimity, Oregon

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

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



Section _____

Altitude at well _____

TYPE OF WELL: Drilled Date Constructed 1952

Depth drilled 240 Depth cased 100 and 240

CASING RECORD:

8-inch
8-inch

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FINISH:

OWRD

AQUIFERS:

WATER LEVEL:
83 feet

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

WELL TESTS:
Drawdown 82 ft. after _____ hours pumping 257 G.P.M.
Drawdown 64 ft. after _____ hours pumping 230 G.P.M.

USE OF WATER Irrigation Temp. _____ °F. _____, 19____

SOURCE OF INFORMATION GR-2235
DRILLER or DIGGER Burt Smith, Sublimity, Oregon

ADDITIONAL DATA:
Log _____ Water Level Measurements _____ Chemical Analysis _____ Aquifer Test _____

REMARKS:

Site Identification (Click to Collapse...)

GW LogID: MARI 9166 [Well Log Database](#)
 GW Well Tag Number:
 Tag Verified on Well: No
 -Site Type: WELL
 Primary Use:
 Unused Status:
 Site Source Organization:
 Site Source OWRD:
 Established By: Karl Wozniak
 Established Date: 04/09/2011
 Bonded Company:
 Stage: COMPLETE

Location (Click to Collapse...)

Latitude/Longitude
 Latitude: 44.83503412 Horiz. Error: 250.00
 Longitude: -122.78359439 Datum: WGS1984
 Lat/Long Source: WRT GR CLAIM MAP
 Location
 TRSQQ: WM 8.0051.00W35SSWNW
 Tax Map:
 Taxlot:
 24 Quad:
 Basin: 2 - Willamette
 County: Marion
 WM District: 16
 WM Region: NW
 LSD Elev: 569.00 Acry: 5.00 Datum: NGVD1929
 Elev Source: 7.5-MINUTE MAP
 [Groundwater Mapping Tool](#)



USDA FSA, DigitalGlobe, GeoEye | Oregon Water Resources Department... Powered by Esri

Water Rights (Click to Expand...)

Well Construction History (Click to Collapse...)

Well Construction History

Well Log Id	Well Log	Work Type	Startcard	Well Top	Owner Name	First Water	Max Case Diam.	Max Case Depth	Max Seal Depth	Max Depth	Completed Depth	Complete Date
MARI 9166	log	NEW			HILDA SCHUMACHER					202.00	202.00	5/31/1939

Well Log	Aquifer	Age at Max Depth	System Aquifer	Regional USGS Aquifer	Local USGS Aquifer
MARI 9166	Columbia River Basalt	Late Tertiary Basalt Ag	Late Tertiary Basalt Aquifers		Columbia River Basalt Group

Well Test

Well Log	Test Type	Yield (gpm)	Drawdown	Flow Units	Duration (hr)	Calculated Specific Capacity (gpm/ft)
MARI 9166	Pump	165.0	31.0			2.04

Available Data (Click to Expand...)

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STATE ENGINEER
Salem, Oregon

9766
M 21.0.0.0

Well Record

STATE WELL NO. 8/IW-355c
COUNTY Marion
APPLICATION NO. GR-2352

D3-41

OWNER: Hilda Schumacher

MAILING ADDRESS:

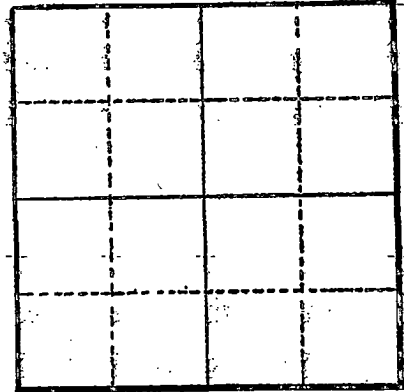
LOCATION OF WELL: Owner's No.

CITY AND STATE:

Sublimity, Oregon

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

Bearing and distance from section or subdivision corner North 1325 feet and East 2494 feet



Section

Altitude at well

TYPE OF WELL: Drilled Date Constructed 1939

Depth drilled 202 Depth cased 100 & 202

CASING RECORD:

5-inch
5-inch

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FINISH:

AQUIFERS:

WATER LEVEL:

84 feet

PUMPING EQUIPMENT: Type Coak H.P. 3
Capacity 50 G.P.M.

WELL TESTS:
Drawdown 51 ft. after hours pumping 90 G.P.M.
Drawdown 81 ft. after hours pumping 165 G.P.M.

USE OF WATER Irrigation Temp. °F. 19

SOURCE OF INFORMATION GR-2234
DRILLER or DIGGER R. Stadeli, Silverton, Oregon

ADDITIONAL DATA:
Log Water Level Measurements Chemical Analysis Aquifer Test

REMARKS: