





WASH 10200



Oregon Water Resources Department  
725 Summer Street NE, Suite A  
Salem Oregon 97301  
(503) 986-0900  
www.wrd.state.or.us

Application for  
**Well ID Number**  
**RECEIVED**

JUL 16 2009

WATER RESOURCES DEPT  
SALEM, OREGON

*Do not complete if the well already has a Well I.D Number.*

**I. OWNER INFORMATION**

Current Owner Name (please print): Tualatin Valley Water District; Attn: Joel A. Cary  
Mailing Address: 1850 SW 170th Avenue  
City: Beaverton State: OR Zip: 97006  
Mailing Address (to send Well I.D.): Same as above  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

**II. WELL INFORMATION** (Do not complete this section if the well report is attached.)

Township: \_\_\_\_\_ (North/South) Range: \_\_\_\_\_ (East/West) Section: \_\_\_\_\_  
Tax Lot: \_\_\_\_\_ County: \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4  
Street Address of Well: \_\_\_\_\_ City: \_\_\_\_\_  
Owner at time the well was constructed, (if known): \_\_\_\_\_  
If the property had a different street address in the past: \_\_\_\_\_

**III. GENERAL WELL INFORMATION** (Do not complete this section if the well report is attached)

Use of Well (domestic, irrigation, commercial, industrial, monitoring): \_\_\_\_\_  
Date Well Constructed: \_\_\_\_\_ Total Well Depth: \_\_\_\_\_ Casing Diameter: \_\_\_\_\_  
Other Information: \_\_\_\_\_

SUBMITTED BY (please print): Joel A. Cary  
PHONE: D; 503.848.3019 FAX: 503.356.3119

Send application to Oregon Water Resources Department, 725 Summer St NE, Suite A; Salem, Oregon 97301-1266; fax (503) 986-0902. Applications are processed and Well I.D. Numbers are mailed every Wednesday.

For Official Use Only by the Oregon Water Resources Department:  
Received Date: \_\_\_\_\_ Well Log Number: WASH 10200 Well Identification #: 100485

Last Update: 11/04/08

Well I.D. Number/ 1

WCC

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JUN 13 2013

1011612

SALEM, OR

WASH

WASH 10148 010148

dd

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

WATER WELL REPORT
STATE OF OREGON JAN 12 1965

State Well No. 1/2w-23R
State Permit No. G

(1) OWNER:
Name Aloha-Huber Water District
Address 17880 S. W. Blanton Aloha, Oregon

(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: 500 gal./min. with 38 ft. drawdown after 24 hrs.
900 " " 58 58 " 24 "
1250 " " 78 " 12 "

(2) LOCATION OF WELL:
County Wash. Driller's well number
1/4 1/4 Section 23 T. 1S R. 2W W.M.

(12) WELL LOG:
Diameter of well below casing 16
Depth drilled 874 ft. Depth of completed well 874 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.

(3) TYPE OF WORK (check):
New Well Deepening Reconditioning Abandonment

Table with columns MATERIAL, FROM, TO. Content: See attached sheets

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

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

(6) CASING INSTALLED:
16" Diam. from 0 ft. to 402 ft. Gage 330
12" Diam. from 616 1/2 ft. to 728 ft. Gage 250

(7) PERFORATIONS:
Perforated? Yes No
Type of perforator used Torch
Size of perforations 3/16 in. by 12 in.
240 perforations from 630 ft. to 710 ft.

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

(9) CONSTRUCTION:
Well seal—Material used in seal Cement
Depth of seal 403 ft. Was a packer used? No
Diameter of well bore to bottom of seal 24" 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 unusuable water? Yes No
Type of water? depth of strata
Method of sealing strata off

Work started 19 Completed 11-17 1964
Date well drilling machine moved off of well 11-20 1964

(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 A. M. Janssen Drilling Co.
Address 21075 S. W. Tualatin Valley Hwy., Aloha, Oregon
Drilling Machine Operator's License No. 161
Contractor's License No. 79 Date 1-6-65 19

(10) WATER LEVELS:
Static level 200 ft. below land surface Date 11-17-64
Artesian pressure lbs. per square inch Date

1011612

WASH 10148  
Water Well Report

1/2W-23  
dd

Owner: Aloha-Huber Water District  
17880 S. W. Blanton  
Aloha, Oregon

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JAN 12 1965  
STATE ENGINEER  
SALEM, OREGON

(12) WELL LOG:

Material	From	To	Well # 2
Clay	0	5	feet
Clay & rock - broken brown	5	24	
Clay & rock - broken red	24	27	
Rock & some clay - gray	27	49	
Rock, solid - gray	49	52	
Soft brown rock	52	69	
Brown rock - a little harder	69	89	
Light brown rock - hard	89	101	
Hard gray rock	104	107	
Broken gray rock	107	115	
Soft brown rock	115	122	
Hard gray rock	122	150	
Soft brown rock	150	152	
Hard brown rock	152	158	
Soft brown rock	158	162	
Hard brown rock	162	167	
Very soft brown rock	167	181	
Hard brown rock	181	211	
Soft brown rock	211	216	
Harder brown rock	216	255	
Hard gray rock	255	292	
Fairly soft gray rock	292	331	
Hard gray rock	331	394	
Fairly soft rock - gray - broken	394	403	
Hard gray rock	403	410	
Soft brown rock	410	420	
Hard gray rock	420	450	
Broken gray rock	450	467	
Hard gray rock	467	470	
Broken brown rock	470	485	
Very hard gray rock	485	523	
Broken rock with gray seams	523	528	
Gray rock	528	560	
Broken rock	560	576	
Gray rock	576	597	
Gray & white clay	597	601	
Gray rock	601	647	
Crevice - water bearing	647	651	
Hard gray rock	651	656	
Wormy rock - water bearing	656	667	
Broken rock - water bearing	667	682	
Brown & gray rock	682	698	

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JUN 13 2013

SALEM, OR

Cont. next page

1011612

Water Well Report  
 Well Log - Page 2  
 Aloha-Huber Water District

RECEIVED  
 JAN 12 1965

RECEIVED  
 JAN 8 1965  
 STATE ENGINEER  
 SALEM, OREGON

Material	From	To
Black Broken Rock - water	698	706
" " "	706	715
Black solid hard rock	715	720
Broken black rock	720	730
Gray hard rock	730	738
Softer rock	738	747
Hard gray rock	747	750
Softer gray rock	750	767
Hard gray rock	767	770
Clay & gray rock mixed	770	772
Gray soft rock	772	780
Medium hard gray rock	780	788
Very hard gray rock	788	802
Hard black rock	802	808
Broken black rock	808	817
Hard black rock, making water	817	820
Broken black rock, making water	820	833
Very hard black rock - crevices	833	852
Black rock - crevices - very heavy	852	855
Black rock	855	858
Shale, very hard	858	874
Total depth		874

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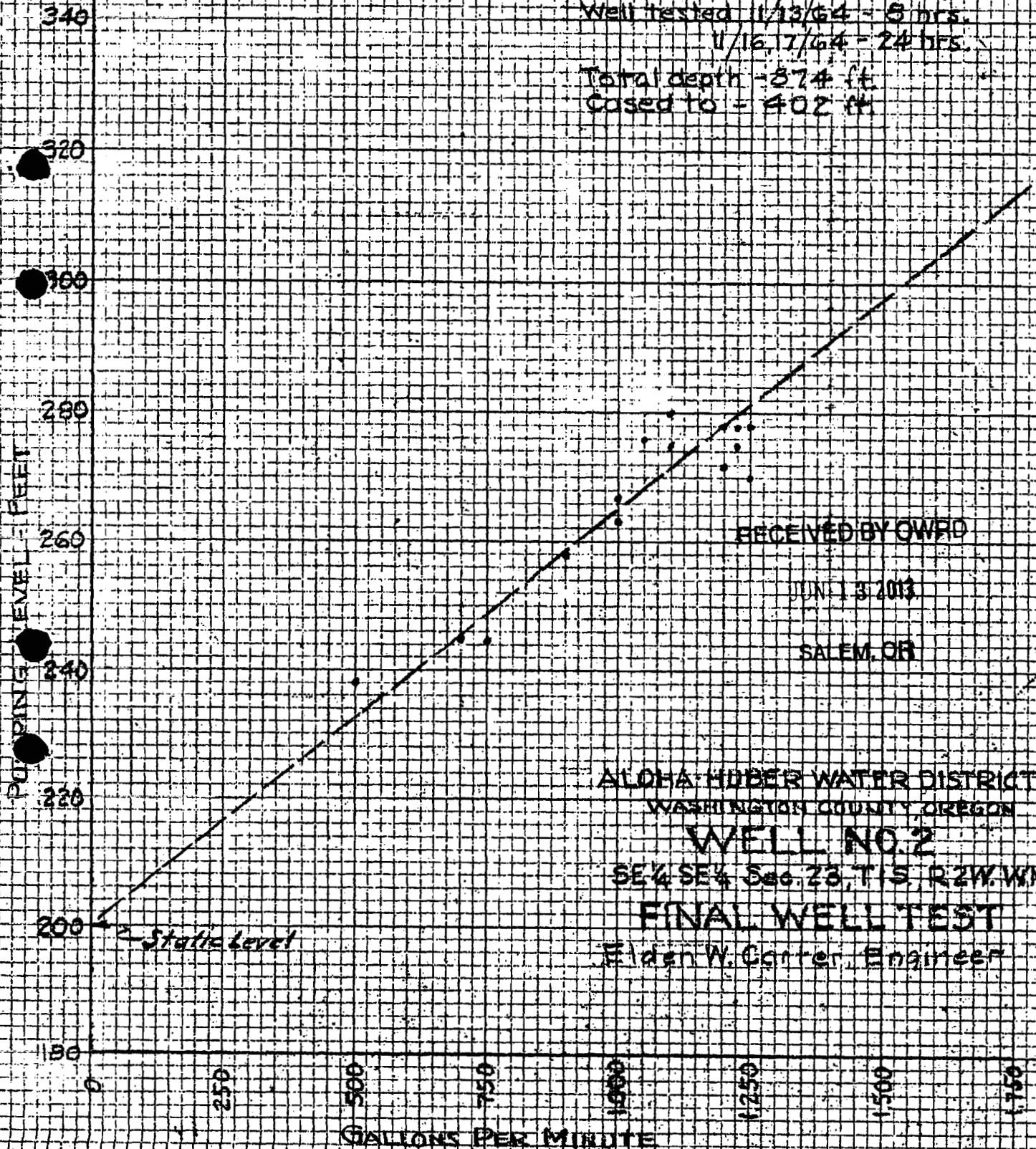
SALEM, OR

T011612

WASH 10148

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BEG 18 1964  
STAT. ENGINEER  
ALPHA ENERGY

Note:  
16" Well drilled and tested by  
A.M. Jannsen Drilling Co.  
Well tested 11/13/64 - 5 hrs.  
11/16, 17/64 - 24 hrs.  
Total depth - 374 ft.  
Cased to - 402 ft.



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JUN 13 2013

SALEM, OR

ALPHA HUBER WATER DISTRICT  
WASHINGTON COUNTY, OREGON  
**WELL NO. 2**  
SE 1/4 Sec. 23, T 1 S, R 2 W, W.M.  
**FINAL WELL TEST**  
Elden W. Carter, Engineer

RE-WASH 10148 FOR NEW TAG/NUMBER;  
NO TAG ON SITE AFTER ALTER-  
ATION COMPLETED



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

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Mailing Address: 1850 SW 170th Avenue  
City: Beaverton State: OR Zip: 97006  
Mailing Address (to send Well I.D.): Same as above  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

### II. WELL INFORMATION (Do not complete this section if the well report is attached.)

Township: \_\_\_\_\_ (North/South) Range: \_\_\_\_\_ (East/West) Section: \_\_\_\_\_  
Tax Lot: \_\_\_\_\_ County: \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4  
Street Address of Well: \_\_\_\_\_ City: \_\_\_\_\_  
Owner at time the well was constructed, (if known): \_\_\_\_\_  
If the property had a different street address in the past: \_\_\_\_\_

### III. GENERAL WELL INFORMATION (Do not complete this section if the well report is attached)

Use of Well (domestic, irrigation, commercial, industrial, monitoring): \_\_\_\_\_  
Date Well Constructed: \_\_\_\_\_ Total Well Depth: \_\_\_\_\_ Casing Diameter: \_\_\_\_\_  
Other Information: \_\_\_\_\_

SUBMITTED BY (please print): Joel A. Cary (missing tag; requesting new number/tag)  
PHONE: D; 503.848.3019 FAX: 503.356.3119

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WASH 10148

<i>For Official Use Only by the Oregon Water Resources Department:</i>		
Received Date:	Well Log Number:	Well Identification #:
_____	<u>WASH 10148</u>	<u>160484</u>

Last Update: 11/04/08

Well I.D. Number/1

T011612

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JUN 13 2013

SALEM, OR



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

(WELL I.D.)# L 68043

(START CARD) # 161720

Instructions for completing this report are on the last page of this form.

(1) OWNER: \_\_\_\_\_ Well Number **2**

Name **Tualatin Valley Water District**

Address **1850 SW 170th Ave**

City **Beaverton** State **OR** Zip **97075**

(2) TYPE OF WORK

New Well  Deepening  Alteration (repair/recondition)  Abandonment

(3) DRILL METHOD:

Rotary Air  Rotary Mud  Cable  Auger

Other

(4) PROPOSED USE:

Domestic  Community  Industrial  Irrigation

Thermal  Injection  Livestock  Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval  Yes  No Depth of Completed Well **865** ft.

Expansives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			Seeks or pounds
Diameter	From	To	Material	From	To	
16"	0	611'				
12"	611'	865'				

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:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 16"	0	400'		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 12"	611'	722'		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) \_\_\_\_\_

(7) PERFORATIONS/SCREENS:

Perforations Method **Air Perforator**

Screens Type \_\_\_\_\_ Material \_\_\_\_\_

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
615'	715'	.250	80/ft	12"		<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Pump  Bailor  Air  Flowing Artesian

Yield gal/min	Drawdown'	Drill stem at	Time
<b>500gpm</b>		<b>865</b>	<b>1 hr.</b>

Temperature of water **56** 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 **Washington** Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Township **1** **S** Range **2** **W** WM.

Section **23** **SE** 1/4 **SE** 1/4

Tax Lot **1000** Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_

Street Address of Well (or nearest address) **7975 SW Grabhorn Rd, Beaverton, OR 97007**

(10) STATIC WATER LEVEL:

**200** ft. below land surface. Date **1-23-04**

Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:

Depth at which water was first found \_\_\_\_\_

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:

Ground Elevation \_\_\_\_\_

Material	From	To	SWL
Clean out well from 825' to 865' using tri-cone bit.			
Re-perforate liner from 615' to 715' using 1/4 x 1" air perforator			
6 rows perforations			
<b>RECEIVED</b>			
MAR 02 2004			
JUN 13 2013			
SALEM, OR			
WATER RESOURCES DEPT			
SALEM, OREGON			
SEE ATTACHMENTS FOR ORIGINAL WELL CONSTRUCTION			

Date started **1-19-04** Completed **1-23-04**

(unbonded) Water Well Constructor Certification:

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

Signed \_\_\_\_\_ WWC Number **1523** Date **3-1-04**

(bonded) Water Well Constructor Certification:

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

Signed \_\_\_\_\_ WWC Number **10442** Date **3/1/04**

REMOVED FOR NEW TAG/NUMBER;  
WASH 60890  
NO TAG ON SITE AFTER ALTER-  
ATION COMPLETED



Oregon Water Resources Department  
725 Summer Street NE, Suite A  
Salem Oregon 97301  
(503) 986-0900  
www.wrd.state.or.us

# Application for Well ID Number

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JUL 16 2009

WATER RESOURCES DEPT  
SALEM, OREGON

Do not complete if the well already has a Well I.D Number.

### I. OWNER INFORMATION

Current Owner Name (please print): Tualatin Valley Water District; Attn: Joel A. Cary  
Mailing Address: 1850 SW 170th Avenue  
City: Beaverton State: OR Zip: 97006  
Mailing Address (to send Well I.D.): Same as above  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

### II. WELL INFORMATION (Do not complete this section if the well report is attached.)

Township: \_\_\_\_\_ (North/South) Range: \_\_\_\_\_ (East/West) Section: \_\_\_\_\_  
Tax Lot: \_\_\_\_\_ County: \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4  
Street Address of Well: \_\_\_\_\_ City: \_\_\_\_\_  
Owner at time the well was constructed, (if known): \_\_\_\_\_  
If the property had a different street address in the past: \_\_\_\_\_

### III. GENERAL WELL INFORMATION (Do not complete this section if the well report is attached)

Use of Well (domestic, irrigation, commercial, industrial, monitoring): \_\_\_\_\_  
Date Well Constructed: \_\_\_\_\_ Total Well Depth: \_\_\_\_\_ Casing Diameter: \_\_\_\_\_  
Other Information: \_\_\_\_\_

SUBMITTED BY (please print): Joel A. Cary (missing tag; requesting new number/tag)  
PHONE: D; 503.848.3019 FAX: 503.356.3119

Send application to Oregon Water Resources Department; 725 Summer St NE, Suite A; Salem, Oregon 97301-1266; fax (503) 986-0902. Applications are processed and Well I.D. Numbers are mailed every Wednesday.

WASH 1014B

<i>For Official Use Only by the Oregon Water Resources Department:</i>		
Received Date:	Well Log Number:	Well Identification #:
_____	<u>WASH 60890</u>	<u>160484</u>

Last Update: 11/04/08

Well I.D. Number/ 1

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T011612 JUN 13 2013

SALEM, OR

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This well purchased by Aloha-Huber-District #3

WASH-882 WELL

C-1351

cd  
1/1w-17H  
WASH  
008862

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

1959

WATER WELL REPORT

STATE OF OREGON

State Well No. G 5265

State Permit No.

(1) NAME OF WELL:

Name: SCHUEPBACH Brothers  
Address: Beaverton, Oregon

(2) LOCATION OF WELL:

County: WASH. Owner's number, if any: \_\_\_\_\_  
1/4 Section T. R. W.M.  
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):

New Well  Deepening  Reconditioning  Abandon   
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

(5) TYPE OF WELL:

Rotary  Driven   
Cable  Jetted   
Dug  Bored

(6) CASING INSTALLED:

14" Diam. from 0 ft. to 40 ft. Gage 3"  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

(7) PERFORATIONS:

Perforated?  Yes  No  
Type of perforator used \_\_\_\_\_  
SIZE of perforations in. by in.  
perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

(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.  
Was a surface seal provided?  Yes  No. To what depth? 40 ft.  
Material used in seal— Cement  
Did any strata contain unusable water?  Yes  No  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Method of sealing strata off \_\_\_\_\_

(10) WATER LEVELS:

Static level 109 ft. below land surface Date 5/17/59  
Artesian pressure \_\_\_\_\_ lbs. per square inch Date \_\_\_\_\_

Log Accepted by:

[Signed] Rudolph Schuepbach June 8, 1959 (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? Harty Bros  
Yield: 744 gal./min. with 49 ft. drawdown after \_\_\_\_\_ hrs.  
" 925 " 128 " " " "  
" 1099 " 83 " 15 hrs ALL TOGETHER  
Ballor test \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs. her  
Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
Temperature of water 54° Was a chemical analysis made?  Yes  No

(12) WELL LOG:

MATERIAL	FROM	TO
CLAY	0	11
WEATHERED BASALT	11	167
BLACK BASALT	167	268
Red Inner Flow	268	271
BLACK BASALT	271	309
porous honeycombed		
Rock showing		
ROSE QUARTZ	309	326
BLACK BASALT	326	393
porous BASALT	393	397
BLACK BASALT	397	405
porous BASALT	405	414

RECEIVED BY OWRD

JUN 13 2013

SALEM, OR

Work started 19 \_\_\_\_\_ Completed 19 \_\_\_\_\_

(13) PUMP:

Manufacturer's Name Johnston  
Type: Turbine HP. 100

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 Harty Bros. (Person, firm or corporation) (Type or print)

Address 3340 S.W. Seymour

Driller's well number \_\_\_\_\_

[Signed] Glenn Harty (Well Driller)

License No. 168 Date 5/8/59, 19 \_\_\_\_\_

2026 51011612

WASH 8862



Oregon Water Resources Department
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Well ID Number

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SALEM, OREGON

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Mailing Address: 1850 SW 170th Avenue
City: Beaverton State: OR Zip: 97006
Mailing Address (to send Well I.D.): Same as above
City: State: Zip:

II. WELL INFORMATION (Do not complete this section if the well report is attached.)

Township: 13 (North/South) Range: 1 W (East/West) Section: 17
Tax Lot: County: 1/4 1/4
Street Address of Well: BETWEEN SW DIVISION & VILLAGE City:
Owner at time the well was constructed, (if known): IN EPA RIGHT OF WAY
If the property had a different street address in the past:

III. GENERAL WELL INFORMATION (Do not complete this section if the well report is attached)

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Date Well Constructed: Total Well Depth: Casing Diameter:
Other Information:

SUBMITTED BY (please print): Joel A. Cary
PHONE: D; 503.848.3019 FAX: 503.356.3119

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For Official Use Only by the Oregon Water Resources Department:
Received Date: Well Log Number: WASH 8862 Well Identification #: 100486

Last Update: 11/04/08

Well I.D. Number/ 1

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JUN 13 2013

SALEM, OR T011612



# WASH 70165

## Joint Water Commission Site 60 Formation Log by Schneider Drilling Co.

Start Card #201162 Tag # L100772

<u>FM</u>	<u>TO</u>	<u>DESCRIPTION</u>
0	2	Topsoil
2	4	Clay, brown, soft, silty
4	8.5	Clay, gray & brown, soft, silty
8.5	28	Basalt, gray & brown, medium, soft, broken
28	36	Basalt, gray, hard
36	50	Basalt, gray & brown, medium, very fractured, some vesicular
50	64	Basalt, gray & brown, medium, fractured
64	72	Basalt, gray & brown, medium-soft, fractured, some vesicular
72	95	Basalt, gray & brown, medium, fractured
95	105	Basalt, gray & brown, soft, fractured, vesicular
105	112	Basalt, gray & brown, medium, fractured
112	116	Basalt, brown & red, soft, broken, vesicular & some claystone, yellow
116	137	Basalt, gray & brown, medium-hard, fractured
137	155	Basalt, brown & red, soft, broken, vesicular & some claystone, yellow
155	162	Basalt, gray, hard, some fractures
162	195	Basalt, gray & brown, medium-hard, fractured
195	206	Basalt, brown, soft, broken, vesicular & some claystone, yellow
206	211	Basalt, gray & brown, medium-hard, fractured
211	215	Basalt, brown & gray, fractured, vesicular
215	285	Basalt, gray & brown, medium-hard, fractured
285	338	Basalt, gray, hard, some fractures
338	354	Basalt, brown, medium-soft, broken, vesicular & claystone, yellow
354	361	Basalt, red & brown, soft, broken, vesicular & claystone, yellow
361	377	Basalt, gray, medium-hard, fractured
377	427	Basalt, gray & brown, medium, fractured
427	436	Basalt, gray, hard
436	442	Basalt, brown & gray, medium-soft, fractured, vesicular
442	454	Basalt, brown & gray, soft, broken, vesicular & some claystone, yellow
454	483	Basalt, gray & brown, medium-hard, fractured
483	506	Basalt, brown & red, soft, broken, vesicular
506	529	Basalt, gray & brown, medium-hard, fractured
529	537	Basalt, gray, hard
537	542	Basalt, gray & brown, medium-hard, fractured
542	566	Basalt, gray & brown, medium-soft, very fractured

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WATER RESOURCES DEPT  
SALEM, OREGON

**WASH 70165**

**Joint Water Commission Site 60 Formation Log  
by Schneider Drilling Co.**

**Start Card #201162      Tag # L100772**

<u>FM</u>	<u>TO</u>	<u>DESCRIPTION</u>
566	570	Basalt, brown, soft, broken, vesicular & claystone yellow
570	573	Rock, yellow-brown, soft & claystone, yellow
573	576	Basalt, gray & brown, medium-soft, vesicular & claystone, yellow
576	626	Basalt, gray, hard
626	631	Basalt, gray & brown, medium, very fractured & claystone, yellow
631	636	Basalt, dark gray, medium, fractured, some broken
636	640	Basalt, brown, soft, broken, vesicular & claystone, yellow
640	658	Basalt, brown, soft, broken, vesicular & some claystone, yellow
658	662	Basalt, gray & brown, medium, very fractured
662	672	Basalt, black, soft, broken
672	679	Basalt, black, broken & some claystone, green
679	699	Basalt, black, medium, fractured
699	734	Basalt, dark gray, medium-hard, fractured
734	829	Basalt, black, medium-hard, fractured
829	845	Basalt, black, medium-soft, fractured
845	855	Basalt, black, medium-hard, fractured
855	860	Basalt, dark gray, hard, fractured
860	891	Basalt, dark gray, medium-hard, fractured
891	901	Basalt, dark gray, hard, fractured
901	902	Siltstone, light gray, medium-hard
902	931	Basalt, black, medium-soft, broken, vesicular
931	933	Basalt, dark gray, medium-hard, fractured
933	935	Clay, gray-green, medium-soft & some layers of claystone, green
935	936	Clay, gray-green-red, soft, a little sandy
936	940	Clay, blue-gray-green, soft, sandy & some sand, coarse
940	943	Clay, gray & brown, medium-soft
943	944	Clay, gray, medium, sandy & some gravel, 1/4"- & sand, coarse
944	949	Clay, gray & brown, soft, a little sandy
949	963	Gravel, 1/4"- & sand, coarse w/ clay, gray & claystone
963	997	Claystone & clay, gray & brown, medium, very sandy

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