

**WATER WELL REPORT**  
**OBSERVATION WELL WASH 11449**  
STATE OF OREGON

State Well No. 2/W-46(1)  
State Permit No. G-655

(1) OWNER:  
Name Tigard Water District  
Address Tigard, Oregon

(11) WELL TESTS: Drawdown is amount water level is lowered below static level Strasser  
Was a pump test made?  Yes  No If yes, by whom? Drilling Co.  
Yield: 380 gal./min. with 153 ft. drawdown after 24 hrs.  
" 350 " " 128 " " 24 "  
" 300 " " 80 " " 24 "  
Bailer test gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Artesian flow \_\_\_\_\_ g.p.m. Date \_\_\_\_\_  
Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  No

(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

(12) WELL LOG: Diameter of well 12 inches.  
Depth drilled 494 ft. Depth of completed well 494 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  Abandon   
If abandonment, describe material and procedure in Item 11.

MATERIAL	FROM	TO
Topsoil and brown clay	Surfa.	9
Red shale	9	26
Grey and green conglomerate	26	54
Soft grey basalt	54	86
Red and brown rock	86	114
Grey basalt	114	136
Grey and brown rock - clay seams	136	150
Red rock	150	168
Grey basalt	168	218
Porous grey basalt (water)	218	263
Brown and grey basalt	263	287
Porous grey basalt	287	301
Hard grey basalt	301	312
Porous grey basalt	312	330
Porous brown and grey basalt	330	341
Hard grey basalt	341	357
Brown and grey porous basalt	357	376
Hard grey basalt	376	404
Porous grey basalt	404	422
Black basalt	422	434
Porous grey basalt	434	450
Hard grey basalt	450	456
Porous black basalt (muddy water deposits)	456	483
Grey basalt	483	494

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

(6) CASING INSTALLED: Threaded  Welded   
12" Diam. from Surface ft. to 91.5 ft. Gage 45 #/ft.  
" 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.

SCREENS: Well screen installed  Yes  No  
Manufacturer's Name \_\_\_\_\_  
Type \_\_\_\_\_ Model No. \_\_\_\_\_  
Diam. \_\_\_\_\_ Slot size \_\_\_\_\_ Set from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
Diam. \_\_\_\_\_ Slot size \_\_\_\_\_ Set from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

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? 91.5 ft.  
Material used in seal— neat cement grout  
Did any strata contain unusable water?  Yes  No  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Method of sealing strata off \_\_\_\_\_

(10) WATER LEVELS: \_\_\_\_\_ at completion of pump test and after \_\_\_\_\_ ft. depth in hole was reached  
Static level 215 ft. below land surface Date \_\_\_\_\_  
Artesian pressure \_\_\_\_\_ lbs. per square inch Date \_\_\_\_\_

Log Accepted by: \_\_\_\_\_  
[Signed] \_\_\_\_\_ Date \_\_\_\_\_, 19\_\_\_\_  
(Owner)

Work started Dec. 11 1957 Completed Feb. 17 1958

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

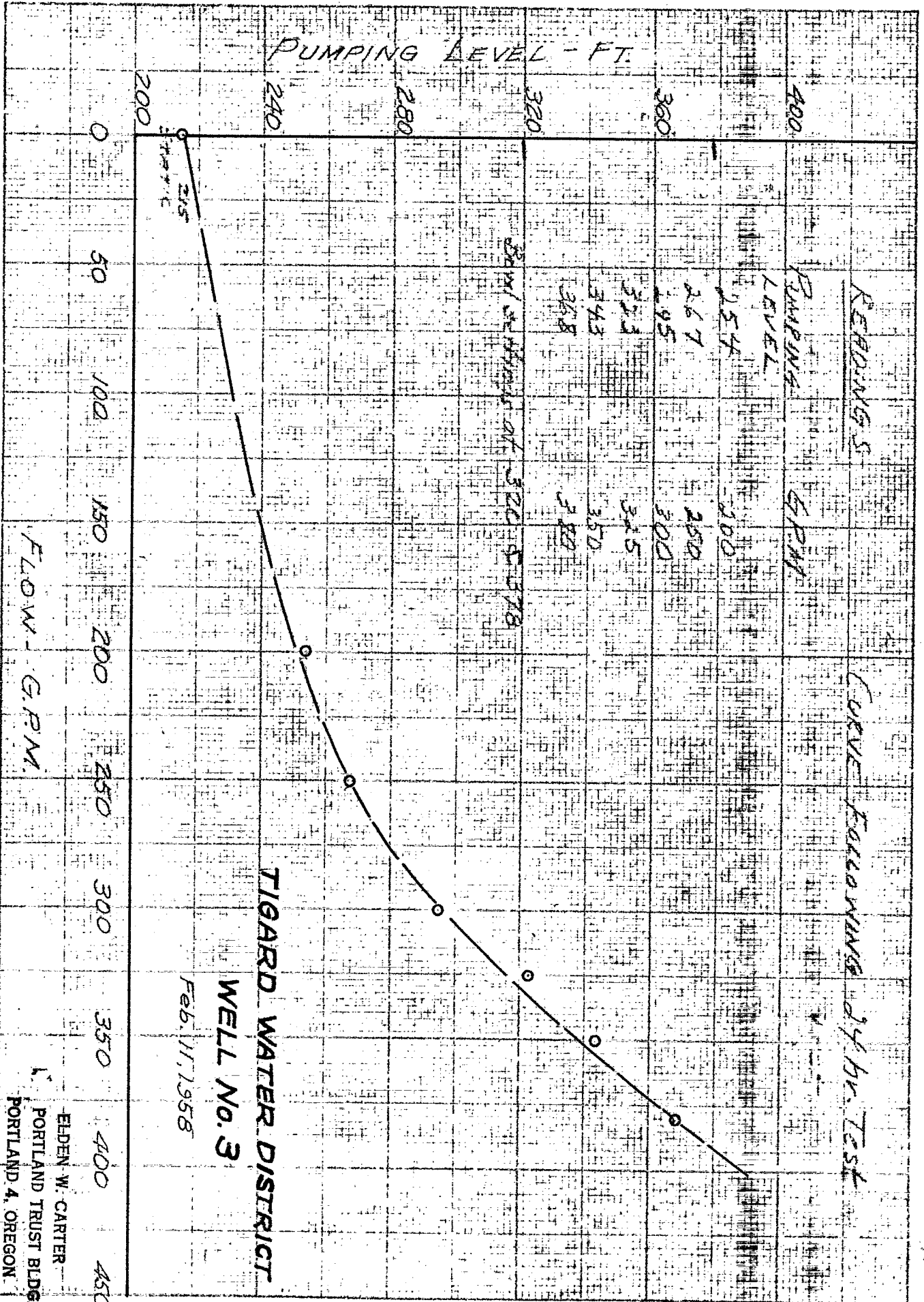
Well Driller's Statement:  
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME R. J. Strasser Drilling Co.  
(Person, firm, or corporation) (Type or print)  
8110 SE Sunset Lane, Portland 6, Oregon

Driller's well number 10 3094

[Signed] Robert J. Strasser - Partner  
(Well Driller)

License No. 10 Date March 5 1958



WASH 11449

Laboratory Certificate

2/1W-46(1)  
WASH

CHARLTON LABORATORIES

P. O. Box 1048  
Portland 7, Oregon

RECEIVED  
APR 15 1958

STATE ENGINEER  
SALEM, OREGON

To: Tigard Water District  
8841 S.W. Commercial St.  
Tigard 23, Oregon

Laboratory No. 52708

Date: February 11, 1958

Subject: Water Sample

Date Received: 2-7-58

pH

6.90

Parts per million

Dissolved Solids (Residue on Evaporation)	214
Volatile Solids (Loss on Ignition)	32
Alkalinity - Carbonate	0.0
BiCarbonate	121.0
Hardness	113.7
Iron	0.76
Chloride	9.6
Sulfate	6.0

The analysis was made on a filtered sample since there was a fairly large amount of suspended solids which probably will clear on pumping. The water is classed as a moderately hard bicarbonate type. The iron is quite high but it is possible that it may decrease after more pumping.

CHARLTON LABORATORIES, INC.

By J. M. H O G L

WASH-11449

ELDEN W. CARTER  
CONSULTING CIVIL ENGINEER  
OREGON BANK BLDG.  
319 S. W. WASHINGTON ST.  
PORTLAND 4, OREGON

March 17, 1961

Board of Commissioners  
Tigard Water District  
8841 S.W. Commercial St.  
Tigard 23, Oregon

RECEIVED  
MAR 21 1961  
ENGINEER

Gentlemen:

Pumping tests were run on the district's three wells on March 8, 1961 to determine the present static water levels, draw down, and pumping levels.

The draw down was measured after pumping 30 minutes on each well.

A tabulation of the test data and comparative data from previous tests are shown below.

	<u>3/8/61</u>	<u>10/11/58</u>	<u>When drilled</u> <u>11/18/47</u>
<u>Well No. 1</u>			
Static level	223 ft.	214 ft.	188 ft.
Pumping level	275 ft.	266 ft.	234 ft.
Rate (throttled - est.)	(150 gpm)	( ? )	170 gpm
Draw down	52 ft.	52 ft.	46 ft.
<u>Well No. 2</u>			<u>7/30/49</u>
Static level	260 ft.	212 ft.	190 ft.
Pumping level	295 ft.	265 ft.	280 ft.
Rate	400 gpm	400 gpm	400 gpm
Draw down	35 ft.	53 ft.	90 ft.
<u>Well No. 3</u>			<u>2/11/58</u>
Static level	293 ft.	210 ft.	215 ft.
Pumping level	360 ft.	257 ft.	343 ft.
Rate	350 gpm	350 gpm	350 gpm
Draw down	67 ft.	47 ft.	128 ft.

Very truly yours,

ELDEN W. CARTER

Elden W. Carter, Engineer  
Tigard Water District

cc- State Engineer



STATE ENGINEER  
Salem, Oregon

State Well No. 2/1W-4G41

County WASH.

Application No. 6769

Water Level Record

OWNER: Tigard Water Dist OWNER'S NO. \_\_\_\_\_

Description of measuring point: Owners air line and gage.

Date	Water Level Feet (above) (below) Land Surface	Remarks	Date	Water Level Feet (above) (below) Land Surface	Remarks
<sup>11</sup> 2- <del>17</del> -58	215	Meas. by driller			
10-11-58	210	meas. by water Dist.			
4-22-59	212	Gage reading - JES			
4-6-60	213	✓ ✓			

REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

WASH 11449

2/1W-4G(1)

ELDEN W. CARTER  
CONSULTING CIVIL ENGINEER  
PORTLAND TRUST BLDG.  
319 S. W. WASHINGTON ST.  
PORTLAND 4, OREGON

Wash Co.

Will # 3

October 18, 1958

Board of Commissioners,  
Tigard Water District,  
2241 S.W. Commercial St.,  
Tigard 23, Oregon.

RECEIVED  
OCT 18 1958

STATE ENGINEER  
SALEM, OREGON

Gentlemen:

On October 11, 1958 tests were made on your three wells to determine, primarily, the present static water levels and to observe the drawdown and pumping levels if possible.

At the time of test, both Well No. 1 and No. 2 were in service and under automatic control. The pump in Well No. 1 was running just prior to the test and at No. 2 the pump had been off an undetermined length of time. Well No. 3 had not been in service for at least two weeks.

In each case the pumping level was observed after running the pump 5 to 8 minutes which, except for No. 1, probably did not give the level which might be expected after prolonged continuous operation. This is particularly true of well No. 3.

A tabulation of the test data and comparative data from the original well tests are shown below.

	<u>Oct. 11, 1958</u>	<u>When Drilled</u>
Well No. 1		11-18-47
Static level (below surface)	214 ft.	189 ft.
Pumping level	266 ft.	234 ft.
	( 7 )	170 gpm
	52 ft.	46 ft.
* - Pump flow uncontrolled - exact flow not known.		
Well No. 2		7-20-49
Static level	212 ft.	190 ft.
Pumping level	255 ft.	280 ft.
	400 gpm	400 gpm
	52 ft.	50 ft.
Well No. 3		2-11-53
Static level	210 ft.	215 ft.
Pumping level	257 ft.	245 ft.
	250 gpm	250 gpm
	47 ft.	126 ft.

Very truly yours,

ELDEN W. CARTER

Elden W. Carter, Engineer  
Tigard Water District



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

MAY 09 2012

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): City of Tigard
Mailing Address: 13125 SW Hall Blvd.
City: Tigard State: Oregon Zip: 97223
Mailing Address (to send Well I.D.): Aaron Beattie, City of Tigard Public Works Department, 13125 SW Hall Blvd.
City: Tigard State: Oregon Zip: 97223

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

City of Tigard Well 3

Township: 2 South (North/South) Range: 1 West (East/West) Section: 4
Tax Lot: 2S104DB05300 County: Washington SW 1/4 NE 1/4
Street Address of Well: 12980 SW 135th Avenue City: Tigard
Owner at time the well was constructed, (if known): Tigard Water District
If the property had a different street address in the past: N/A

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

WASH 11449

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

SUBMITTED BY (please print):
PHONE: FAX:

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: WASH11449 Well Identification #: 109496