STATE ENGINEER
Salem, Oregon

WASH
011592

OBSERVATION WELL
Well Record

STATE WELL NO. 2/1w-10 DD
COUNTY Washington
APPLICATION NO. GR 615

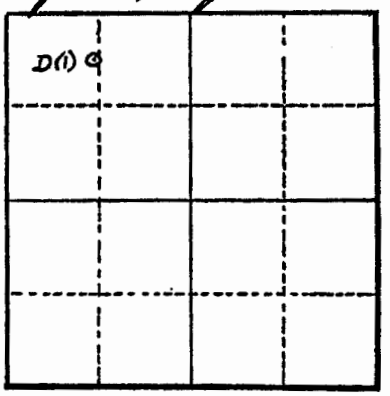
OWNER: Tigard Water District

MAILING ADDRESS: % C.E. Janoe Chairman — 8900 SW Burnham Ave.

CITY AND STATE: Tigard, Oregon

LOCATION OF WELL: Owner's No. #2

NW ¼ NW ¼ Sec. 10 T. 2 S., R. 1 W., W.M.



Bearing and distance from section or subdivision corner S. 610 ft. & E. 1270 ft. from N.W. cor. sec. 10

Altitude at well 375 ft.

TYPE OF WELL: drilled Date Constructed July 30, '49

Depth drilled 459 Depth cased 342

Section 10

CASING RECORD:
12 inch

FINISH:

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AQUIFERS:

WATER LEVEL:
190 Feet

PUMPING EQUIPMENT: Type Peerless Turbine H.P. 15
Capacity 500+ G.P.M.

WELL TESTS:
Drawdown 72 ft. after ____ hours 325 G.P.M.
Drawdown 90 ft. after ____ hours 400 G.P.M.

USE OF WATER municipal Temp. ____ °F. ____, 19____
SOURCE OF INFORMATION GR-615
DRILLER or DIGGER ____
ADDITIONAL DATA:
Log — Water Level Measurements ____ Chemical Analysis ____ Aquifer Test ____

REMARKS:

State Printing 89316

WELL # 2

R. J. STRASSER DRILLING COMPANY
8110 S.E. Sunset Lane
Portland 6, Oregon

Log of well # 2 for the Tigard Water District 12 inch well cased with 10 inch to 342 feet deep. Comleted 7/30/49.

Surface		to	2	Ft	Top soil
2	ft	"	29	"	Yellow and red clay
29	"	"	47	"	Decomposed rock
47	"	"	83	"	Hard gray rock
83	"	"	97	"	Brownish red medium rock
97	"	"	192	"	Hard gray rock
192	"	"	201	"	Soft brownish red rock with around 100 G.P.M.
209	"	"	209	"	Hard gray rock
209	"	"	224	"	Porous brown rock with a little water
224	"	"	265	"	Gray and brown rock
265	"	"	274	"	Porous brown rock a little water
274	"	"	319	"	Hard gray rock Well was tested at 342 feet and furnished 220 G.P.M.a draw down of 140 feet.
335	"	"	362	"	Hard gray rock
362	"	"	368	"	Brown porous rock
368	"	"	395	"	Hard clay
395	"	"	400	"	Soft red rock should have some water
400	"	"	438	"	Gray rock
438	"	"	447	"	Very soft yellow rock with water
447	"	"	453	"	Gray rock

Static water levil 190 feet from the surface.

Pump test showed 325 G.P.M. with 72 feet draw down
400 " " 90 " " "

A cement seal was made around the casing at a depth of 60 to 70 feet to prevent any water from entering the well above the 70 ft. level.

2/1W-10 D(1)
Wash. Co

Well #2

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

October 15, 1958

Board of Commissioners,
Tigard Water District,
6841 S.W. Commercial St.,
Tigard 23, 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.

	Oct. 11, 1958	When Drilled
Well No. 1		11-15-47
Static level (below surface)	214 ft.	188 ft.
Pumping level	266 ft.	234 ft.
Rate	(#)	170 gpm
Draw down	52 ft.	46 ft.

- Pump runs throttled - exact flow not known.

10 D(1)

Well No. 2		7-30-49
Static level	212 ft.	190 ft.
Pumping level	268 ft.	280 ft.
Rate	400 gpm	400 gpm
Draw down	56 ft.	90 ft.

Well No. 3		2-11-58
Static level	210 ft.	215 ft.
Pumping level	257 ft.	343 ft.
Rate	350 gpm	350 gpm
Draw down	47 ft.	128 ft.

Very truly yours,
ELDEN W. CARTER

Elden W. Carter, Engineer
Tigard Water District

cc- State Engineer

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 22, Oregon

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.

	3/8/61	10/11/58	When drilled 11/18/47
Well No. 1			
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.
			7/30/49
Well No. 2			
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.
			2/11/58
Well No. 3			
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

WASH 58003

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WATER RESOURCES DEPT

Wash 58003

WELL I.D. # L 48800
START CARD # 141224

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number
Name City of Tigard
Address 13125 S.W. Hall Blvd.
City Tigard State Ore. Zip 97223

(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 Municipal

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☑ No Depth of Completed Well 606 ft.
Explosives used ☐ Yes ☑ No Type _____ Amount _____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
16"	0	300'		0'	300'	189 SACKS or 9 YARDS
12"	300'	606'				

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:	12"	+3'	300'	.375	☑	☐	☑	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS: NONE
☐ Perforations Method
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

☑ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
			1 hr.
800 GPM	79'		26 HRS.

Temperature of water 54° 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:

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(9) LOCATION OF WELL by legal description:
County Washington Latitude Longitude
Township 2S N or S Range 1W E or W. WM.
Section 11 SW 1/4 NW 1/4
Tax Lot 2600 Lot Block Subdivision
Street Address of Well (or nearest address) 10490 Canterbury Lane SW, Tigard

(10) STATIC WATER LEVEL:
256 ft. below land surface. Date Nov. 29, 2001
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 323'

From	To	Estimated Flow Rate	SWL
437'	463'	150 GPM	256'
323'	350'	50 GPM	256'
491-512' 518-526'		100 GPM	256'
564'	582'	150 GPM	256'
594'	599'	150 GPM	256'

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Asphalt	0'	1'	
Brown, sandy clay	1'	47'	
Decomposed basalt, Brown	47'	59'	
Weathered basalt, brown	59'	142'	
Black basalt, broken	142'	175'	
Black basalt	175'	190'	
Black basalt, broken	190'	205'	
Black basalt	205'	218'	
Black + brown broken basalt	218'	265'	
Gray basalt	265'	295'	
Brown, broken basalt	295'	310'	
Weathered basalt-multi colored	310	328'	256'
Brown + black basalt	328'	349'	256'
Gray basalt	349'	405'	
Weathered basalt-brown	405	410'	
Gray basalt - hard	410	437'	
Weathered basalt-multi colored	437'	463'	256'
Gray basalt, hard	463'	491'	
Weathered basalt, brown-black-tan colored	491'	512'	256'

Date started SEPT. 26, 2001 Completed November 8, 2001

(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.
WWC Number
Signed Date

(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.
WWC Number 633
Signed Michael Waldrop Date Dec. 12, 2001

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SEP 29 2014

SALEM, OR

WASH 58003

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WATER RESOURCES DEPT
SALEM, OREGON

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

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

Wash 58003

WELL I.D. # L 48800
START CARD # 141224

(1) LAND OWNER Well Number
Name c/o TIGARD PAGE 2
Address
City State Zip

(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 ____ ft.
Explosives used ☐ Yes ☐ No Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds

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:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
			1 hr.

Temperature of water Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

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

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

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

From	To	Estimated Flow Rate	SWL
			256'
			256'
			256'

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Gray basalt, hard	512'	518'	
Gray+brown basalt, broken	518'	528'	256'
Gray basalt, hard	528'	561'	
Gray basalt, broken	561'	564'	
Weathered basalt, multi-colored	564'	582'	256'
Gray basalt, hard	582'	594'	
Basalt, broken, multi colored	594'	599'	256'
Gray basalt, very hard	599'	606'	256' 256'
			256'
			256'

Date started Completed

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

(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.
WWC Number 633
Signed Michael Waldrop Date Dec 12, '01

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WASH 61622

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form.

(WELL I.D.)# L 68044
(START CARD) # 161746

(1) OWNER: Well Number COT-2R
Name City of Tigard
Address 13125 SW Hall Blvd.
City Tigard State OR Zip 97223

(2) TYPE OF WORK
☑ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☑ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☑ Other Reverse Circulation

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

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☑ No Depth of Completed Well 1012 ft.
Explosives used ☐ Yes ☑ No Type ____ Amount ____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
24"	0	32'	Bentonite	0	32'	18 sacks
20"	32'	343'	Cement	0	351.7	17 yards
16"	343'	1012'				

How was seal placed: Method ☐ A ☐ B ☑ C ☐ D ☐ E
☑ Other poured chips
Backfill placed from ____ ft. to ____ ft. Material ____
Gravel placed from 351.7 ft. to 716 ft. Size of gravel pea

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	***SEE AS	BUILT	****		☑	☐	☑	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:
☐ Perforations Method wire wrap
☑ Screens Type 304 Material S.S.

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
554.7'	574.7'	.050		16"		☐	☑
679.7'	699.7'	.050		16"		☐	☑
779.7'	819.7'	.050		16"		☐	☑
854.7'	894.7'	.050		16"		☐	☑
964.7'	1004.68'	.050		16"		☐	☑

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☑ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
428 gpm	28'	1010'	1 hr.

Temperature of water 57 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 2 S Range 1 W WM.
Section 10 SW 1/4 MW 1/4
Tax Lot 900 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) NE corner of SW 125th & SW Bull Mountain Rd.

(10) STATIC WATER LEVEL:
308 ft. below land surface. Date 8/02/04
Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 312'

From	To	Estimated Flow Rate	SWL
*****COMPLETED ON			
ATTACHED			
SHEET*******			

(12) WELL LOG:
Ground Elevation ____

Material	From	To	SWL
COMPLETED ON ATTACHED SHEET			

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SEP 29 2014
SALEM, OR

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OCT 04 2004
WATER RESOURCES DEPT
SALEM, OREGON

Date started 3/10/04 Completed 8/25/04

(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.
WWC Number 1209
Signed ____ Date 9-22-04

(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
WWC Number 1523
Signed ____ Date 9/30/04

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WASH 61622

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

Start Card: 161746
Well Label: L68044
Boring # : ASR COT-2R

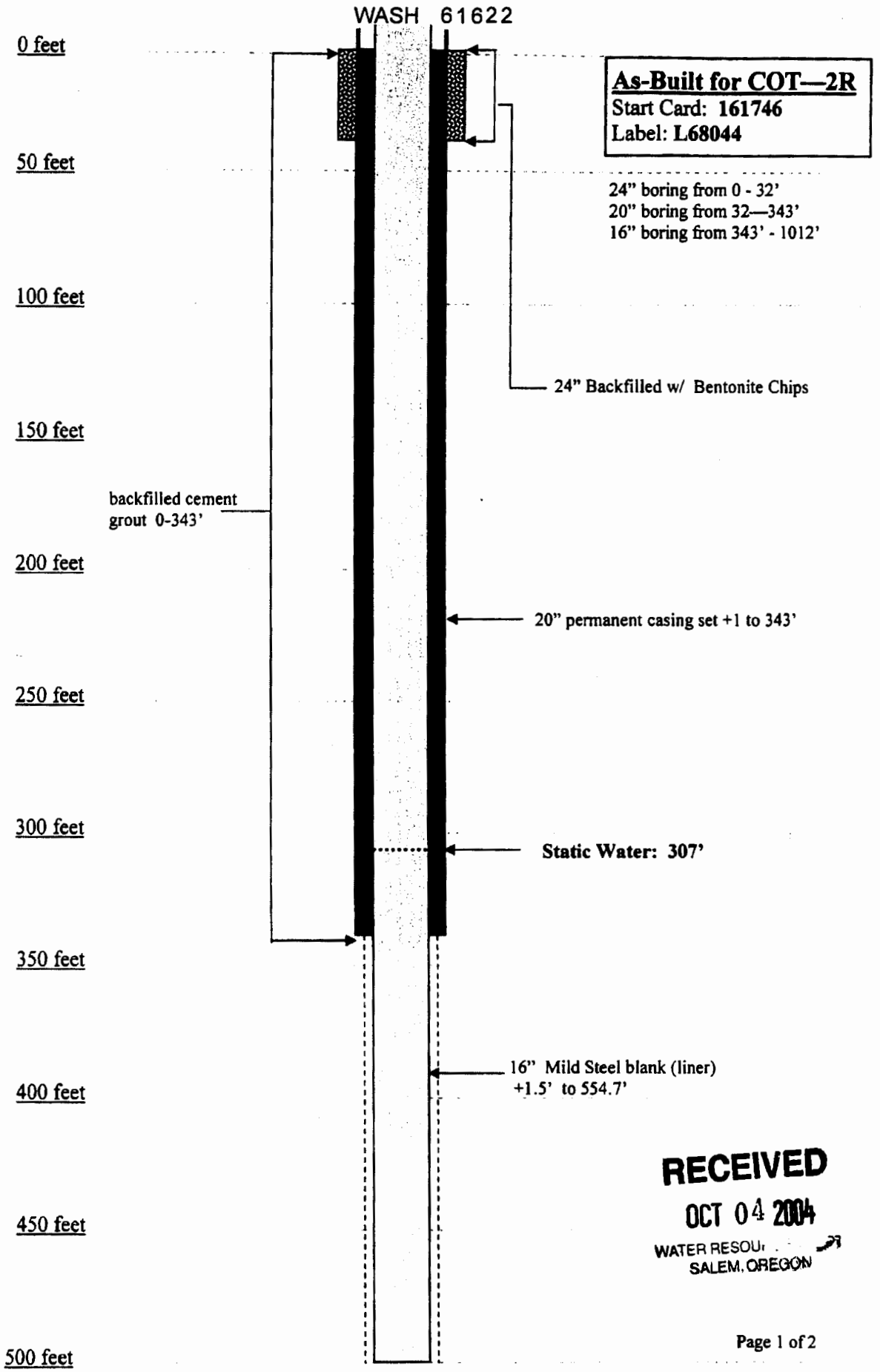
Water Bearing Zones:

From	To	Estimated Flow Rate	SWL
554	574	↓	307
679	699	↓	307
779	819	↓	307
854	894	↓	307
964	1004	12.2 gpm / ft	307

Soil Profile Continued from Log:

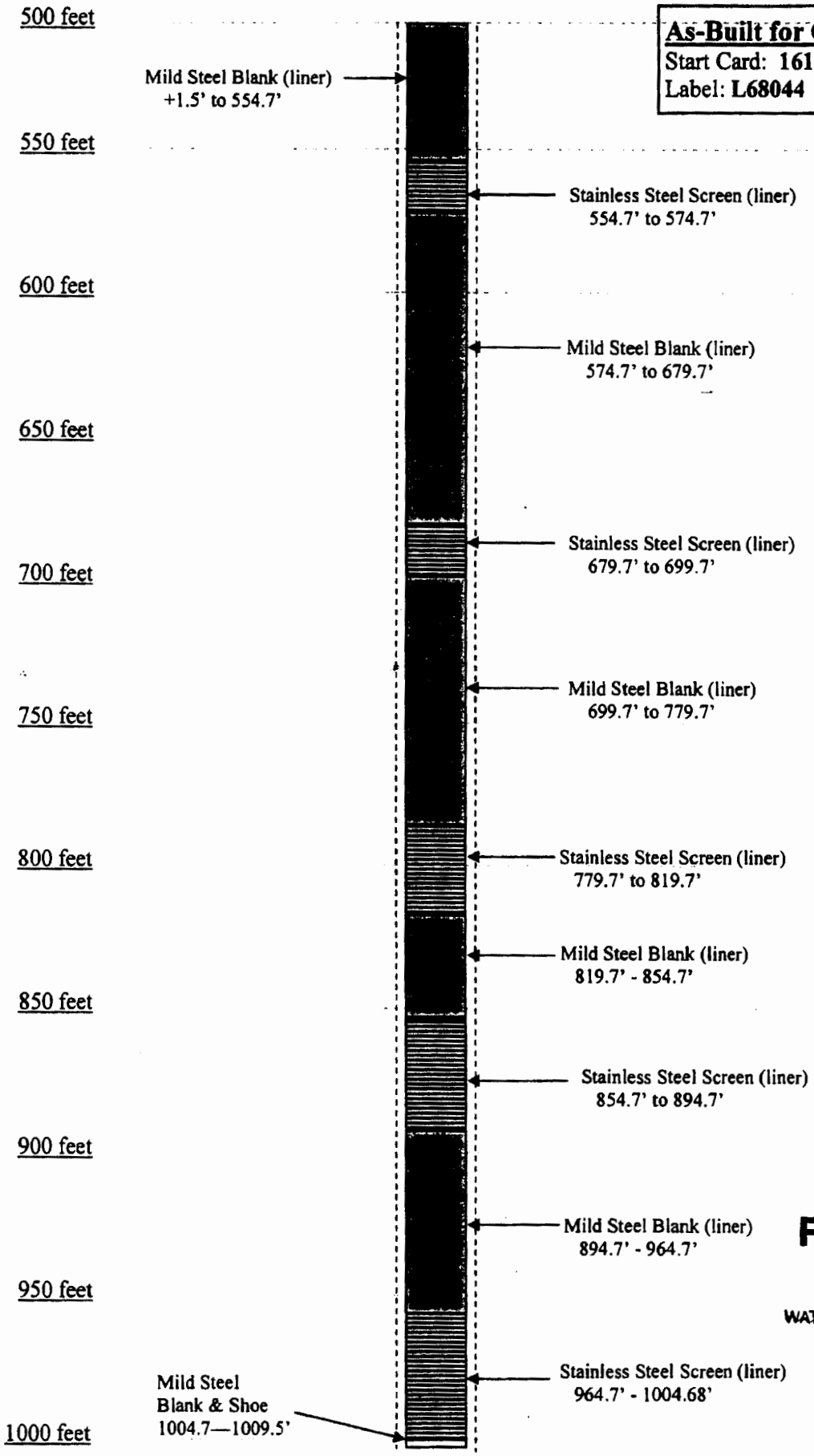
Material	From	To	SWL
Gravel base	0	2'	
Brown silt	2'	12'	
Brown silt w/ weathered basalt	12'	15'	
Brown silt – soft	15'	18'	
Brown silt w/ weathered basalt	18'	20'	
Weathered basalt	20'	38'	
Weathered basalt – broken	38'	65'	
Basalt (med) – gray	65'	91'	
Basalt (soft) – red	91'	103'	
Basalt (med) – weathered	103'	139'	
Basalt w/ seams of brown silt	139'	238'	
Basalt conglomerate	238'	279'	
Basalt - gray w/ seams	279'	380'	307
Weathered broken basalt	380'	420'	307
Basalt (med / hard) - gray	420'	470'	307
Basalt (soft) - gray & red	470'	481'	307
Weathered basalt (med) - fractured	481'	497'	307
Basalt - gray	497'	515'	307
Basalt (slightly vesicular) - dark gray	515'	532'	307
Basalt – weathered / broken	532'	537'	307
Basalt (hard) – gray	537'	542'	307
Basalt (med / hard) – gray	542'	549'	307

Basalt (hard) – light & dark gray	549'	631'	307
Basalt – brown, green & gray	631'	635'	307
Basalt – gray	635'	640'	307
Basalt (slightly vesicular) – brown & gray	640'	648'	307
Basalt (hard) – gray / some pinholes	648'	661'	307
Weatherered basalt - brown, green & gray	661'	678'	307
Basalt (fractured) - brown, green & gray	678'	680'	307
Vesicular basalt – brown to red	680'	688'	307
Basalt – gray to brown	688'	711'	307
Basalt – gray w/ dark gray seams	711'	718'	307
Basalt – brown to gray	718'	724'	307
Basalt (fractured) – brown to gray	724'	730'	307
Basalt – gray w/ dark gray seams	730'	736'	307
Basalt (fractured) – gray to brown & green	736'	786'	307
Basalt (med) – gray to red	786'	788'	307
Basalt – gray to brown & green	788'	795'	307
Fractured basalt (hard) – gray	795'	810'	307
Basalt (very fractured) – gray w/ brown & green	810'	819'	307
Basalt (slightly fractured) – gray w/ brown	819'	838'	307
Basalt (fractured) – brown to gray	838'	843'	307
Basalt (fractured) – gray to brown	843'	852'	307
Basalt (hard) – gray	852'	859'	307
Basalt (fractured) – gray to brown	859'	870'	307
Vesicular basalt – brown to gray	870'	875'	307
Basalt (med / hard) – gray; slightly vesicular	875'	884'	307
Basalt (fractured / hard) – brown to gray; slightly vesicular	884'	890'	307
Basalt (fractured / med) – brown to gray	890'	939'	307
Basalt (med / hard) – gray	939'	943'	307
Basalt (med / hard) – gray & brown, slightly fractured	943'	1012'	307



WASH 61622

As-Built for COT—2R
Start Card: **161746**
Label: **L68044**



WASH 66115

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

WELL LABEL # L 89515

START CARD # 177457

(1) LAND OWNER

Owner Well I.D. L89515

First Name _____ Last Name _____

Company City of Tigard

Address 13125 SW Hall Blvd

City Tigard State OR Zip 97223

(2) TYPE OF WORK

[X] New Well [ ] Deepening [ ] Conversion
[ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD

[ ] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Cable Mud
[X] Reverse Rotary [ ] Other _____

(4) PROPOSED USE

[ ] Domestic [ ] Irrigation [X] Community
[ ] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [ ] Other _____

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] Attach copy

Depth of Completed Well 1,100 ft.

BORE HOLE Dia	From	To	SEAL Material	From	To	Amt	sacks/ lbs
24	0	420	Cement	0	417	272	S
19	420	1,100					

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E

[ ] Other _____

Backfill placed from _____ ft. to _____ ft. Material _____

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
[X]	[ ]	20	[X]	.5	417	.375	[ ]	[X]	[X]	[ ]
[X]	[ ]	16	[X]	3	575	.375	[X]	[ ]	[X]	[ ]
[ ]	[ ]		[ ]				[ ]	[ ]	[ ]	[ ]
[ ]	[ ]		[ ]				[ ]	[ ]	[ ]	[ ]
[ ]	[ ]		[ ]				[ ]	[ ]	[ ]	[ ]

Shoe [ ] Inside [X] Outside [ ] Other Location of shoe(s) 420

Temp casing [ ] Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method _____

Screens Type V-Wrap Material Stainlss Steel

Perf/Screen	Casing/ Liner	Screen Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	16	575	605	.05			
Screen	Liner	16	605	655	.05			
Screen	Casing	16	655	675	.05			
Screen	Liner	16	675	755	.05			
Screen	Casing	16	755	765	.05			

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

(•) Pump ( ) Bailer ( ) Air ( ) Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
1,500	173.8	620	120

Temperature 53 °F Lab analysis [ ] Yes By _____

Water quality concerns? [ ] Yes (describe below)

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County WASHING Twp 2 S N/S Range 1 W E/W WM

Sec 9 SW 1/4 of the NW 1/4 Tax Lot 2500

Tax Map Number _____ Lot _____

Lat ° 0 ' " or _____ DMS or DD

Long ° 0 ' " or _____ DMS or DD

(•) Street address of well ( ) Nearest address

13001 SW Bull Mountain Rd, Tigard, OR 97223

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Predeepening				
Completed Well	08-12-2007			348.7

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found _____

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
08-12-2007	370	400				
08-12-2007	436	460				
08-12-2007	480	490				
08-12-2007	510	535				
08-12-2007	575	605				

(11) WELL LOG

Ground Elevation _____

Material	From	To
Soil	0	1
Clay Soft Brown	1	16
Weathered Rock	16	21
Brown with Black Basalt	21	190
Brown Basalt	190	210
Brown wih Black Basalt	210	305
Black Basalt - 3.5 min per ft	305	350
Black with Brown Basalt	350	440
Basalt Gray Brown Red Soft	440	455
Basalt Gray & Brown Hard	455	473
Basalt Brown & Gray Soft	473	490
BasaltGray & Brown Med	490	515
Basalt Brown & Brown Soft	515	530
Basalt Gray & Brown Hard	530	550
Basalt Gray Hard	550	580
Basalt Gray & Brow Broken	580	635
Basalt Gray Hard	635	715
Basalt Gray & Brown Broken	715	740
Basalt Gray Broken	740	775

Date Started 04-27-2007 Completed 09-17-2007

(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.

License Number 1530 Date 10-08-2007

Password : (if filing electronically) _____

Signed for Steve Vibbard

(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.

License Number 1523 Date 10-08-2007

Password : (if filing electronically) _____

Signed _____

Contact Info (optional) _____

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WATER RESOURCES DEPT
SALEM OREGON

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

Form Version: 0.89

WASH 66115

WATER SUPPLY WELL REPORT - continuation page

WELL I.D. # I. 89515

START CARD # 177457

(5) BORE HOLE CONSTRUCTION

BORE HOLE Dia	From	To	SEAL Material	From	To	Amt	sacks/ lbs

FILTER PACK

From	To	Material	Size

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	W/ld	Thrd

(7) PERFORATIONS/SCREENS

Perf/Screen	Casing/Liner	Screen Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Liner	16	765	850	.05			
Screen	Casing	16	850	890	.05			
Screen	Liner	16	890	975	.05			
Screen	Casing	16	975	1,005	.05			
Screen	Liner	16	1,005	1,050	.05			
Screen	Casing	16	1,050	1,070	.05			
Screen	Liner	16	1,070	1,100	.05			

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

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)

Water Quality Concerns

From	To	Description	Amount	Units

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WATER RESOURCES DEPT
SALEM OREGON

(10) STATIC WATER LEVEL

Water Bearing Zones

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
08-12-2007	635	670				
08-12-2007	755	765				
08-12-2007	850	885				
08-12-2007	975	1,005				
08-12-2007	1,030	1,065	1,500			348.7

(11) WELL LOG

Material	From	To
Basalt Gray Hard	775	785
Basalt Gray & Brown Hard	785	825
Basalt Gray Hard	825	860
Basalt Gray & Brown Med.some cinder looking rock	860	865
Basalt Gray & Brown Broken	865	875
Basalt Gray Hard	875	970
Basalt Gray Broken	970	995
Basalt Gray	995	1,020
Basalt Gary Broken	1,020	1,063
Basalt Green & Gray Salt	1,063	1,068
Basalt Gray Hard	1,068	1,070
Basalt Gray Broken	1,070	1,075
Basalt Gray Hard	1,075	1,100

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SEP 29 2014

SALEM, OR

Comments/Remarks