

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

(WELL I.D.)# L 68044

(START CARD) # 161746

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

(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: <b>***SEE AS BUILT***</b>				<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 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"		<input type="checkbox"/>	<input checked="" type="checkbox"/>
679.7'	699.7'	.050		16"		<input type="checkbox"/>	<input checked="" type="checkbox"/>
779.7'	819.7'	.050		16"		<input type="checkbox"/>	<input checked="" type="checkbox"/>
854.7'	894.7'	.050		16"		<input type="checkbox"/>	<input checked="" type="checkbox"/>
964.7'	1004.68'	.050		16"		<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
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
<b>*****COMPLETED ON ATTACHED SHEET*****</b>			

(12) WELL LOG:  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
<b>***COMPLETED ON ATTACHED SHEET***</b>			

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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.

Signed *[Signature]* WWC Number **1709**  
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.

Signed *[Signature]* WWC Number **1523**  
Date **9/30/04**



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

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 SALEM, OREGON

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
Weathered 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

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SALEM, OREGON

WASH 61622

0 feet

50 feet

100 feet

150 feet

200 feet

250 feet

300 feet

350 feet

400 feet

450 feet

500 feet

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

24" boring from 0 - 32'  
20" boring from 32—343'  
16" boring from 343' - 1012'

24" Backfilled w/ Bentonite Chips

backfilled cement  
grout 0-343'

20" permanent casing set +1 to 343'

Static Water: 307'

16" Mild Steel blank (liner)  
+1.5' to 554.7'

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WATER RESOURCES DIVISION  
SALEM, OREGON

**As-Built for COT-2R**

Start Card: 161746

Label: L68044

500 feet

Mild Steel Blank (liner)  
+1.5' to 554.7'

550 feet

Stainless Steel Screen (liner)  
554.7' to 574.7'

600 feet

Mild Steel Blank (liner)  
574.7' to 679.7'

650 feet

Stainless Steel Screen (liner)  
679.7' to 699.7'

700 feet

Mild Steel Blank (liner)  
699.7' to 779.7'

750 feet

Stainless Steel Screen (liner)  
779.7' to 819.7'

800 feet

Mild Steel Blank (liner)  
819.7' - 854.7'

850 feet

Stainless Steel Screen (liner)  
854.7' to 894.7'

900 feet

Mild Steel Blank (liner)  
894.7' - 964.7'

950 feet

Stainless Steel Screen (liner)  
964.7' - 1004.68'

1000 feet

Mild Steel  
Blank & Shoe  
1004.7—1009.5'

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SALEM, OREGON