WASH 61621

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 67858

(START CARD) # 164710

(1) OWNER: Well Number COT-3T

Name City of Tigard

Address 131 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 test well

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☑ No Depth of Completed Well 1022 ft.

Explosives used ☐ Yes ☑ No Type _____ Amount _____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
13"	0	1022'	Bent. Chips	0	22'	16 sacks

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

☑ Other pour dry and hydrate

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	8"	0	22'	0.375	☑	☐	☑	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner					☐	☐	☐	☐
					☐	☐	☐	☐

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 Washington Latitude _____ Longitude _____

Township 2 S Range 1 W WM.

Section 8 SE 1/4 SE 1/4

Tax Lot 101 Lot _____ Block _____ Subdivision _____

Street Address of Well (or nearest address) Eastside of SW 150th St. approximstely 100 ft S. of Woodhue St., Tigard, Or

(10) STATIC WATER LEVEL:

251' ft. below land surface. Date 06-08-04

Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 340'

From	To	Estimated Flow Rate	SWL
**SEE ATTACHMENT	**		

(12) WELL LOG:

Ground Elevation _____

Material	From	To	SWL
****SEE ATTACHMENT ****			

RECEIVED
OCT 04 2004
WATER RESOU... PT
SALEM, OREGON

RECEIVED
DEC 20 2006
WATER RESOURCES DEPT
SALEM, OREGON

Date started 5-25-04 Completed 6-15-04

(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 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 _____ WWC Number 1523 Date 9/30/04

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

WASH 61621

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

Start Card: 164710
Well Label: L67858
Boring # : ASR COT-3T

Water Bearing Zones:

Depth at which water was first found 340

From	To	Estimated flow Rate	SWL
340	350	20 gpm	251
351	375	55 gpm	251
503	523	30 gpm	251
559	576	30 gpm	251
605	681	30 gpm	251
681	695	150 gpm	251

Soil Profile Continued from Log:

Material	From	To	SWL
brown topsoil	0	8'	
weathered basalt	8'	60'	
basalt (med) - gray	60'	158'	
Vesicular basalt - brown, red & gray	158'	167'	
basalt (med) - gray	167'	200'	
basalt (soft) - brown & gray	200'	218'	
basalt (med) - brown & gray	218'	238'	
basalt (med) - gray	238'	271'	
basalt (slightly vesicular) - gray to brown	271'	276'	
basalt (fractured) - brown to gray	276'	301'	
basalt (med) - gray	301'	340'	
Vesicular basalt - brown to gray	340'	351'	251
basalt (med) - gray	351'	384'	251
Vesicular basalt - brown to gray	384'	398'	251
basalt (med) - gray	398'	450'	251
Vesicular basalt - gray to brown	450'	471'	251
basalt (med) - gray	471'	503'	251
Vesicular basalt - brown to gray w/ streaks of blue green claystone	503	523	251
Basalt – gray w/ some some brown	523	559	251
Basalt (vesicular) – brown to gray	559	576	251

Basalt (med) – gray	576	605	251
Basalt (some fracturing) – gray	605	681	251
Basalt (vesicular / soft) – gray	681	695	251
Basalt (fractured / med) – gray	695	820	251
Basalt (med) – light gray	820	850	251
Basalt (vesicular) – light gray to dark gray w/ blue	850	877	251
Basalt (slightly fractured) – gray	877	915	251
Basalt (hard) – gray some brown	915	917	251
Basalt (hard) – gray	917	923	251
Basalt (hard) – light gray	923	928	251
Basalt (fractured) – w/ gray claystone in seams	928	932	251
Basalt (slightly vesicular) – dark gray to gray w/ blue steaks	932	934	251
Clay (soft) – brown to gray	934	935	251
Basalt (vesicular) – gray	935	937	251
Clay – gray w/ basalt chunks	937	951	251
Basalt (med) – light gray	951	957	251
Basalt (fractured) – light gray to dark gray	957	960	251
Basalt (med / hard, slightly fractured) – gray	960	988	251
Basalt (hard) – light gray	988	999	251
Basalt – green w/ green clay	999	1020	251
Brown Clay	1020	1022	251

Geo-Tech Explorations
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Website: www.geotechinc.com
www.boartlongyear.com

BOART LONGYEAR

December 18, 2006

Tracy Eichenlaub
Oregon Water Resources Dept.
North Mall Office Building
725 Summer St. NE, Suite A
Salem, OR 97301-1271

Re. Test Well Seal / WASH 61621

Tracy,

We employed a seal trap at the bottom of the casing to hold the seal in place while it hydrated. Seal traps are commonly used to hold seals in place while they set or hydrate. Because there was no place to record this on the well log in use at that time it was not included.

Sincerely,

Robert Stadeli
Boart Longyear Co.
Geo-Tech Division
Office: (503)-692-6400
Fax: (503)-692-4759
E-mail: rstadeli@boartlongyear.com