MULT 90881

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

WELL LABEL # L 91777

START CARD # 188449

(1) LAND OWNER

Owner Well I.D. 5

First Name _____ Last Name _____

Company City of Troutdale

Address 104 SE Kibling Ave

City Troutdale State OR Zip 97060

(2) TYPE OF WORK

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

(3) DRILL METHOD

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

(4) PROPOSED USE

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

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] (Attach copy)

Depth of Completed Well 681 ft

BORE HOLE Dia	From	To	SEAL Material	From	To	Amt	sacks/ lbs
20	0	530	Cement	0	525	324	S
16	530	697					
nominal							

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

[ ] Other _____

Backfill placed from _____ ft to _____ ft. Material _____

Filter pack from 491 ft to 697 ft. Material CSSI Size 'remarks'

Explosives used [ ] Yes Type _____ Amount _____

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	16	X	4	525	.375	●	○	X	
○	●	12		491	515	.375	●	○	X	
○	●	12		561	575	.375	●	○	X	
○	●	12		581	636	.375	●	○	X	
○	●	12		673	697	.375	●	○	X	

Shoe [ ] Inside [ ] Outside [X] Other Location of shoe(s) 525

Temp casing [ ] Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method _____

Screens Type V-wire wrap Material 304SS

Perf/ Screen	Casing/ Liner	Screen Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen		12	515	561	.04			PS
Screen		12	575	581	.04			PS
Screen		12	636	673	04			PS

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

(●) Pump ( ) Bailer ( ) Air ( ) Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
2,000	41		48

Temperature 55 ± °F Lab analysis [ ] Yes By _____

Water quality concerns? [ ] Yes (describe below)

From	To	Description	Amount	Units

RECEIVED
OCT - 1 2007
WATER RESOURCES DEPT
SALEM OREGON

(9) LOCATION OF WELL (legal description)

County MULTNOMA Twp 1 N N/S Range 3 E E/W WM

Sec 35 NE 1/4 of the NW 1/4 Tax Lot 100

Tax Map Number 1N 3E 35 Lot _____

Lat ° 0 ' " or _____ DMS or DD

Long ° 0 ' " or _____ DMS or DD

(●) Street address of well ( ) Nearest address

1297 SW Royal Anne Ave, Troutdale, OR

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Predeepening				
Completed Well	10-03-2007			304.5

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 'see remarks'

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
Most all sand/gravel formations:						
10-03-2007	521	692	2,000			304.5

(11) WELL LOG

Ground Elevation _____

Material	From	To
Top soil, brown	0	2
Clay, brown, silty w/gravel, small	2	5
Clay, brown & red, medium, sandy w/some gravel,	5	
small		27
Clay, yellow & green, medium	27	29
Clay, green & yellow, medium w/gravel, 1.5"-	29	55
Cobbles & gravel, 2"-, w/some clay, brown, medium	55	68
Cobbles & gravel, 2"-, w/clay, brown	68	81
Cobbles & gravel, 2"-, w/sand, fine & clay, blue-grn	81	85
Cobbles & gravel, 2"-, w/clay, blue-green	85	133
Cobbles & clay, brown, medium-soft	133	149
Cobbles w/clay, brown, medium-soft	149	158
Cobbles & sand, brown, fine	158	162
Cobbles w/clay, brown, medium	162	208
Cobbles, w/sand, green, cemented	208	235
Cobbles, w/sand, green, medium	235	253
Cobbles, w/clay, light brown, medium	253	310
Cobbles, w/clay, white	310	374
see page 2		

Date Started 06-04-2007 Completed 10-03-2007

(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 1663 Date 10-09-2007

Password : (if filing electronically) _____

Signed Clifton J. Bowman

(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 649 Date 10-09-2007

Password : (if filing electronically) _____

Signed Stephen Schneider

Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

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

Form Version: 0.88

MULT 90881

WATER SUPPLY WELL REPORT - continuation page

WELL I.D. # L 91777

START CARD # 188449

(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	Plste	Wld	Thrd

(7) PERFORATIONS/SCREENS

Perf/ Screen	Casing/ Liner	Screen Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size

(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

RECEIVED

OCT 1 1 2007

WATER RESOURCES DEPT
SALEM, OREGON

(10) STATIC WATER LEVEL

Water Bearing Zones

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)

(11) WELL LOG

Material	From	To
Clay, grey, medium	374	402
Clay, blue-green, medium	402	410
Clay, blue-green w/sand, medium-fin	410	414
Clay, blue-green, medium	414	458
Sand, black & blue, medium-fine, w/cementation	458	460
Clay, blue-green, medium	460	49
Clay, blue-green w/sand, black, medium-fine	490	521
Sand, black, medium-fine, w/cementation	521	523
Boulders, cobbles, & sand, black, fine, w/cementation	523	530
Gravel, black, 2.5"- & sand, black, med. w/cementat.	530	564
Gravel, black, 2.5"- & clay, green w/sand, fine	564	565
Clay, grey & sand, fine	565	576
Gravel, black, 1.5"- w/sand, black, med., w/cementat.	576	584
Clay, grey & sand, fine	584	590
Clay, blue-green, medium	590	604
Sand, grey, medium-fine, soft, w/cementation	604	628
Sand, black, medium-fine, w/cementation	628	629
Clay, blue-green, medium	629	632
Sand, brown & black, medium-fine	632	636
Clay, brown, soft	636	638
Gravel, 2"- w/sand, black, medium, w/cementation	638	679
Sand, grey, medium-fine, w/cementation	679	692
Clay, grey, hard	692	697

Comments/Remarks

Pre-development CSSI filter pack placement: 10-20 from 697' to 673', 6-9 from 673' to 644', 10-20 from 644' to 491'.

Depth water first found was indeterminate as the upper hole that contained seal to 525' was drilled using mud rotary drilling method.

16" shoe was stab-in cementing shoe that was drilled out after grout placement.

Cement grout plug placed in bottom of 12" screen/liner assembly: 681'-697'