

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

WELL I.D. LABEL# L118526
 START CARD # 208767
 ORIGINAL LOG # _____

(1) LAND OWNER Owner Well I.D. ASR 6 production well

First Name _____ Last Name _____
 Company City of Beaverton
 Address PO Box 4755
 City Beaverton State OR Zip 97076

(2) TYPE OF WORK New Well Deepening Conversion
 Alteration (complete 2a & 10) Abandonment (complete 5a)

(2a) PRE-ALTERATION

Casing: Dia + From To Gauge Stl Plstc Wld Thrld
 Material From To Amt sacks/lbs
 Seal: _____

(3) DRILL METHOD
 Rotary Air Rotary Mud Cable Auger Cable Mud
 Reverse Rotary Other _____

(4) PROPOSED USE Domestic Irrigation Community
 Industrial/ Commercial Livestock Dewatering
 Thermal Injection Other ASR

(5) BORE HOLE CONSTRUCTION Special Standard (Attach copy)
 Depth of Completed Well 1,078 n.

BORE HOLE			SEAL			
Dia	From	To	Material	From	To	Amt sacks/lbs
36	0	18	Bentonite Chips	0	34	85 S
34	18	56			Calculated	77
28	56	361	Cement	34	56	35 S
23	361	1,081			Calculated	24

How was seal placed: Method A B C D E
 Other pour & probe bent.
 Backfill placed from 1,078 ft. to 1,087 ft. Material crushed rock
 Filter pack from _____ ft. to _____ ft. Material _____ Size _____
 Explosives used: Yes Type _____ Amount _____

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount	Pounds	Actual Amount	Pounds

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrld
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	30	<input checked="" type="checkbox"/>	3	56	.375	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	24	<input checked="" type="checkbox"/>	3	361	.375	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	20	<input checked="" type="checkbox"/>	350	1,081	.375	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Shoe Inside Outside Other Location of shoe(s) _____
 Temp casing Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method Factory mill cut

Perf/ Screen	Casing/ Screen Dia	From	To	Scr/slot width	Slot length	# of slots	Tele/ pipe size
Perf Liner		363	649	0.25	2.5	5,720	
Perf Liner		714	1,076	0.25	2.5	7,240	

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

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
1,375	131		104

Temperature 56 °F Lab analysis Yes By _____
 Water quality concerns? Yes (describe below) TDS amount 150 ppm
 From _____ To _____ Description _____ Amount _____ Units _____

(9) LOCATION OF WELL (legal description)

County WASHINGTON Twp 1 S N/S Range 1 W E/W WM
 Sec 30 NE 1/4 of the SW 1/4 Tax Lot 6700
 Tax Map Number 1S130DA Lot _____
 Lat _____ " or 0 _____ DMS or DD
 Long _____ " or _____ DMS or DD
 Street address of well Nearest address
9450 SW 166th Ave, Beaverton, OR 97007

(10) STATIC WATER LEVEL

Existing Well / Pre-Alteration Completed Well	Date	SWL(psi)	+ SWL(ft)
	10-26-2015		340

Flowing Artesian? Dry Hole?

WATER BEARING ZONES Depth water was first found 26

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
10-26-2015	363	1,076	2,000		340

(11) WELL LOG Ground Elevation _____

Material	From	To
See attached formation log		
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Date Started 05-21-2015 Completed 11-16-2015

(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 1927 Date 11-30-2015
 Signed Ryan Smith

(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 11-30-2015
 Signed Steve Schneider
 Contact Info (optional) _____

CITY OF BEAVERTON
ASR No. 6 PRODUCTION WELL - Tag L118526
Formation Log
by Schneider Water Services

<u>FM</u>	<u>TO</u>	<u>DESCRIPTION</u>
0	5	Gravel fill
5	7	Soil, brown
7	11	Clay, red, medium-soft w/soil layers
11	13	Clay, red, medium-soft w/soil, brown including roots & vegetation
13	26	Clay, brown, medium
26	31	Siltstone, green, medium, broken
31	33	Clay, light brown, medium-soft, sandy
33	48	Basalt, brown & grey, broken w/some clay, brown, medium
48	55	Clay, light brown, medium w/some basalt, grey, broken
55	56	Basalt, grey, broken
56	79	Basalt, grey, medium, fractured, some vesicles
79	83	Basalt, brown, medium, fractured
83	120	Basalt, grey & brown, medium, fractured
120	131	Basalt, grey, medium-hard
131	161	Claystone, light brown, medium w/some basalt, grey
161	179	Basalt, grey, medium-hard, fractured
179	199	Basalt, grey & brown, medium, fractured
199	219	Basalt, grey, medium-hard
219	229	Basalt, brown & grey, medium-soft, fractured
229	259	Basalt, grey & brown, medium, fractured
259	289	Basalt, grey, medium, few fractures
289	320	Basalt, grey & some brown, medium, fractured
320	333	Basalt, grey & brown, medium-soft, fractured
333	352	Basalt, brown, medium-soft, fractured, vesicular, broken
352	372	Basalt, grey, medium, fractured
372	418	Basalt, dark grey, hard
418	423	Basalt, grey, medium
423	433	Basalt, grey, medium-hard, fractured
433	450	Basalt, brown & grey, medium-soft, broken, fractured w/claystone
450	463	Basalt, grey & brown, medium-hard, fractured
463	478	Basalt, grey & brown, medium, fractured
478	483	Basalt, red, soft, broken, vesicular
483	488	Basalt, brown & dark red, soft, broken, vesicular
488	518	Basalt, grey & brown, medium-hard fractured, some vesicles
518	524	Basalt, grey, hard fractured
524	525	Basalt, grey & brown, medium-hard, fractured
525	544	Basalt, red & brown, soft, broken, vesicular
544	547	Basalt, brown & red, soft, vesicular w/claystone, yellow
547	611	Basalt, grey, hard, some fractures
611	621	Basalt, black, soft, broken, vesicular w/some claystone, blue
621	623	Basalt, brown & black, medium-soft, very fractured, vesicular
623	648	Basalt, grey, medium fractured
648	708	Basalt, grey, hard, some fractures
708	711	Basalt, grey & brown, medium, fractured w/some claystone, brown
711	724	Basalt, grey, hard, fractured w/some claystone, brown
724	729	Basalt, grey & brown, medium-hard, fractured, some vesicles
729	798	Basalt, grey, hard, some fractures

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CITY OF BEAVERTON
ASR No. 6 PRODUCTION WELL - Tag L118526
Formation Log
by Schneider Water Services

<u>FM</u>	<u>TO</u>	<u>DESCRIPTION</u>
798	801	Basalt, grey, hard & claystone, grey, medium-hard w/some basalt, black, vesicular
801	815	Basalt, dark grey & brown, hard, fractured, some vesicles & claystone, green & multi-colored
815	821	Basalt, dark grey, hard, fractured & claystone, green, medium
821	836	Basalt, dark grey & some brown, hard-medium, fractured, some vesicals w/claystone, yellow, brown & green
836	848	Basalt, dark grey & brown, medium, fractured, some vesicles
848	850	Basalt, grey & dark grey, medium, fractured w/clay & claystone, green
850	860	Basalt, dark grey, medium, fractured
860	870	Basalt, dark grey, medium-soft, fractured, some vesicals
870	880	Basalt, dark grey, medium, fractured, vesicular w/some claystone, blue-green
880	893	Basalt, dark grey, medium-hard, fractured, vesicular w/some claystone
893	895	Basalt, multi-colored, soft-medium, fractured, broken, some vesicles w/some claystone
895	935	Basalt, dark grey, medium-hard, fractured, few vesicals w/some claystone, green
935	941	Basalt, dark grey, medium-hard, fractured & claystone, grey
941	945	Basalt, multi-colored, medium-soft, vesicular & claystone, grey & some green, hard
945	981	Basalt, grey, medium-hard, fractured
981	985	Basalt, dark grey, medium-soft, broken, vesicular & claystone, grey, hard w/some clay, grey, soft
985	997	Basalt, multi-colored, broken, soft, vesicular w/some claystone, green
997	1019	Basalt, grey, medium-hard, fractured
1019	1024	Basalt, grey & dark grey, medium-hard, fractured w/some claystone, grey
1024	1039	Basalt, grey, medium-hard, fractured
1039	1047	Basalt, grey, medium-hard, fractured, some vesicals & mineralization
1047	1056	Basalt, grey, medium, broken, vesicular & claystone, grey, hard
1056	1063	Basalt, grey, hard, fractured, some vesicles & claystone
1063	1070	Basalt, grey, hard, fractured
1070	1078	Basalt, grey, medium, fractured & claystone, grey-green, medium
1078	1083	Basalt, grey & light grey, medium, fractured, broken, few vesicles w/claystone, grey & green
1083	1087	Clay, light grey, medium, silty w/basalt, medium

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