

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

WELL LABEL # L 105634

START CARD # 201770

(1) LAND OWNER Owner Well I.D. First Name Kevin Last Name Crosby Company Address P.O. Box 70 City Woodburn State OR Zip 97071

(2) TYPE OF WORK [X] New Well [ ] Deepening [ ] Conversion [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD [ ] Rotary Air [ ] Rotary Mud [X] Cable [ ] Auger [ ] Cable Mud [ ] Reverse Rotary [ ] Other

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

(5) BORE HOLE CONSTRUCTION Special Standard [ ] Attach copy Depth of Completed Well 328.66 ft.

Table with columns: Dia, From, To, Material, From, To, Amt, Sacks/lbs. Rows show Bentonite seal data.

How was seal placed: Method [ ] A [ ] B [ ] C [ ] D [ ] E [X] Other OAR 690-210-0340 Backfill placed from 264 ft. to 328.66 ft. Material pea Size 4/10 Explosives used: [ ] Yes Type Amount

(6) CASING/LINER Table with columns: Casing/Liner, Dia, From, To, Gauge, Stl, Plst, Wld, Thrd. Shows 16" and 12" casing details.

Shoe [ ] Inside [X] Outside [ ] Other Location of shoe(s) 263 Temp casing [ ] Yes Dia From To

(7) PERFORATIONS/SCREENS Perforations Method Screens Type v wire Material stainless

Table with columns: Perf, Casing/Screen, Screen Liner, Dia, From, To, Scrn/slot width, Slot length, # of slots, Tele/pipe size. Shows two screen entries.

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

Table with columns: Yield gal/min, Drawdown, Drill stem/Pump depth, Duration (hr). Shows test results for 1,200 gpm.

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 MARION Twp 4 S N/S Range 1 W E/W WM Sec 30 SE 1/4 of the NE 1/4 Tax Lot 100 Tax Map Number Lot Lat Long 10433 Wise Acre Lane Aurora, OR 97002

(10) STATIC WATER LEVEL Date SWL(psi) + SWL(ft) Existing Well / Predeepening Completed Well 05-18-2012 31.4 Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Table with columns: SWL Date, From, To, Est Flow, SWL(psi), + SWL(ft). Shows data for 04-07-2012, 04-13-2012, and 04-18-2012.

(11) WELL LOG Ground Elevation Material From To Topsoil 0 2 Clay, brown 2 14 Clay blue silty 14 16 Clay gray silty 16 63 Clay gray sticky 63 86 Silt gray, sandy 86 93 Clay gray sticky 93 111 Silt dark gray, sandy 111 124 Sand, some small gravel, silt 124 130 Clay green 130 137 Silt dark green, sand black 137 143 Clay brown silty 143 149 Clay dark gray & green sticky 149 155 Clay light green sticky 155 158 Clay dark gray silty 158 160 Sand black 160 196 Clay silty gray & green 196 198 Sand black, lens layers of green clay 198 210 Clay gray silty 210 212

Date Started 03-28-2012 Completed 08-13-2012

(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. License Number 1704 Date RECEIVED BY OWRD

(bonded) Water Well Constructor Certification I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction date. License Number 783 Date 11/16/12 Signed [Signature]

# MARI 64360

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

WELL LABEL # L 105634  
 START CARD # 201770

**(1) LAND OWNER** Owner Well I.D. \_\_\_\_\_

First Name Kevin Last Name Crosby  
 Company \_\_\_\_\_  
 Address P.O. Box 70  
 City Woodburn State OR Zip 97071

**(2) TYPE OF WORK**  New Well  Deepening  Conversion  
 Alteration (repair/recondition)  Abandonment

**(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 \_\_\_\_\_

**(5) BORE HOLE CONSTRUCTION** Special Standard  (Attach copy)  
 Depth of Completed Well 328.66 ft.

BORE HOLE			SEAL			sacks/ lb
Dia	From	To	Material	From	To	
20	0	100	Bentonite	0	46	55 S
16	100	328.66				S

How was seal placed: Method  A  B  C  D  E  
 Other OAR 690-210-0340  
 Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
 Filter pack from 264 ft. to 328.66 ft. Material pea Size 4/10  
 Explosives used:  Yes Type \_\_\_\_\_ Amount \_\_\_\_\_

**(6) CASING/LINER**

Casing	Liner	Dia	From	To	Gauge	Stl	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	16	2	263	.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"/>	12	2.75	328.66	.250	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Shoe  Inside  Outside  Other Location of shoe(s) 263  
 Temp casing  Yes Dia \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

**(7) PERFORATIONS/SCREENS**

Perforations Method \_\_\_\_\_ Screens Type v wire Material stainless

Perf/ Screen	Casing/ Liner	Screen Dia	From	To	Scr/slot width	Slot length	# of slots	Tele/ pipe size
Screen		12	266	286.25	.085			12
Screen		12	301.25	321.5	.085			12

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

Pump  Bailer  Air  Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
1,200	60.3		2
1,200	80.1		6

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 MARION Twp 4 S N/S Range 1 W E/W WM  
 Sec 30 SE 1/4 of the NE 1/4 Tax Lot 100  
 Tax Map Number \_\_\_\_\_ Lot \_\_\_\_\_  
 Lat \_\_\_\_\_ " or \_\_\_\_\_ DMS or DD  
 Long \_\_\_\_\_ " or \_\_\_\_\_ DMS or DD  
 Street address of well  Nearest address

10433 Wise Acre Lane Aurora, OR 97002

**(10) STATIC WATER LEVEL**

Existing Well / Predeepening	Date	SWL(psi)	+ SWL(ft)
Completed Well	<u>05-18-2012</u>		<u>31.4</u>

Flowing Artesian?  Dry Hole?

**WATER BEARING ZONES** Depth water was first found 124

SWL Date	From	To	Est Flow	SWL (psi)	+ SWL (ft)
04-07-2012	160	196	300		32
04-13-2012	262	285	700		30
04-18-2012	306	319	800		30

**(11) WELL LOG** Ground Elevation \_\_\_\_\_

Material	From	To
Topsoil	0	2
Clay, brown	2	14
Clay blue silty	14	16
Clay gray silty	16	63
Clay gray sticky	63	86
Silt gray, sandy	86	93
Clay gray sticky	93	111
Silt dark gray, sandy	111	124
Sand, some small gravel, silt	124	130
Clay green	130	137
Silt dark green, sand black	137	143
Clay brown silty	143	149
Clay dark gray & green sticky	149	155
Clay light green sticky	155	158
Clay dark gray silty	158	160
Sand black	160	196
Clay silty gray & green	196	198
Sand black, lens layers of green clay	198	210
Clay gray silty	210	212

Date Started 03-28-2012 Completed 08-13-2012

**(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 1704 Date SEP 13 2012  
 Password: (if filing electronically) \_\_\_\_\_  
 Signed \_\_\_\_\_

**(bonded) Water Well Constructor Certification SALEM, OR**

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 783 Date 9/14/12  
 Password: (if filing electronically) \_\_\_\_\_  
 Signed Dean Grossen  
 Contact info (optional) Grossen Well Drilling (503)982-2060

# MARI 64360

**WATER SUPPLY WELL REPORT -**  
continuation page

WELL ID. # L 105634

START CARD # 201770

**(5) BORE HOLE CONSTRUCTION**

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

**FILTER PACK**

From	To	Material	Size

**(6) CASING/LINER**

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	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

**(10) STATIC WATER LEVEL**

**Water Bearing Zones**

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

**(11) WELL LOG**

Material	From	To
Clay sticky green	212	216
Clay dark green, soft	216	221
Clay light green sticky	221	233
Sand black	233	234
Clay gray	234	236
Sand black	236	238
Clay green sticky	238	249
Clay gray silty	249	253
Clay gray sandy	253	262
Sand black fine	262	274
Sand 60% & gravel to 3"	274	283
Gravel 70% & sand	283	285
Clay green sticky	285	287
Clay dark green silty, fine sand	287	292
Clay dark gray silty	292	296
Sand black 70% & gravel to 3"	296	299
Clay green sticky	299	301
Clay dark green silty & sand	301	306
Sand black fine & silt	306	308
Sand black	308	319
Clay sticky brown & tan	319	325
Clay sticky gray, hard	325	328.66

**Comments/Remarks**

RECEIVED BY OWRD

SEP 13 2012

lift bail at 327' 8"  
bottom plate at 328' 8"

SALEM, OR