amended 4-14-20

MULT 133885

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

WELL I.D. LABEL# L 128832
START CARD # 216485
ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D.
First Name Last Name
Company Townsend Farms Inc.
Address 23400 Townsend Way
City Fairview State OR Zip 97024

(2) TYPE OF WORK

[x] New Well [ ] Deepening [ ] Conversion [ ] Alteration (complete 2a & 10) [ ] Abandonment(complete 5a)

(2a) PRE-ALTERATION

	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

(3) DRILL METHOD

[ ] Rotary Air [x] Rotary Mud [ ] Cable [ ] Auger [ ] Cable Mud
[ ] Reverse Rotary [ ] Other

(4) PROPOSED USE

[ ] Domestic [ ] Irrigation [ ] Community
[x] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [ ] Other

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] (Attach copy)
Depth of Completed Well 523 ft.

BORE HOLE

Dia	From	To
16	0	398
10	398	528

SEAL

Material	From	To	Amt	sacks/lbs
Chip Bentonite	0	6	16	sks
		Calculated	6	
Cement	6	342	164	sks
		Calculated	144	

How was seal placed: Method [ ] A [ ] B [x] C [ ] D [ ] E
[x] Other Pour and probe bentonite chips
Backfill placed from ft. to ft. Material
Filter pack from 290 ft. to 528 ft. Material premier sand Size 8x12
Explosives used: [ ] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Actual Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
◉	○	10	+	1	342	.250	◉	○	x	
○	○						○	○		
○	○						○	○		
○	○						○	○		
○	○						○	○		

Shoe [ ] Inside [x] Outside [ ] Other Location of shoe(s) 342
Temp casing [ ] Yes Dia From To

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type v-shaped wire wrap Material 304SS (see comments)

Perf/ Screen	Casing/ Liner	Screen Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
blank		6	290	325				
screen		6	325	330	.040			PS
blank		6	330	345				
screen		6	345	375	.040			PS
blank		6	375	380				

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

◉ Pump ○ Bailer ○ Air ○ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
400	46		8

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Temperature 58 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below) TDS amount 65

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From	To	Description	Amount	Units

OWRD

(9) LOCATION OF WELL (legal description)

County Multnomah Twp 1 N N/S Range 3 E E/W WM
Sec 27 SW 1/4 of the NE 1/4 Tax Lot 701
Tax Map Number IN 3E 27A Lot
Lat ° ' " or DMS or DD
Long ° ' " or DMS or DD
◉ Street address of well ○ Nearest address
23303 NE Sandy Blvd, Fairview, OR 97024

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	1/13/2020			61

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
1/13/2020	345	528*	400+			61
	*except	clay				

(11) WELL LOG

Ground Elevation

Material	From	To
Top soil, brown	0	1
Clay, brown, silty, soft	1	7
Sand, brown, medium w/cementation	7	10
Sandstone, brown, medium w/some pea gravel, medium-hard	10	17
Sandstone, brown, medium w/some pea gravel, medium-hard	17	20
Sandstone, brown w/green, medium-coarse, medium-hard	20	64
Sand, brown & grey w/cobbles & pea gravel, cemented	64	73
Gravel, small, brown & grey w/sand, compacted	73	102
Gravel, multi-colored, large to small w/sand, medium	102	264
Sand, brown, medium-fine w/mica & gravel, small, black	264	322
Sand, black, medium-coarse w/gravel, small, black	322	336
Gravel, multi-colored & cobbles/bldrs w/sand, blk, med-fine, hard	336	343
Gravel & sand, multi-colored, med-fine, cem. w/mica & occ clay	343	358
Gravel, multi-colored, med-small & sand, med-coarse w/mica	358	363
Sand, black, med-coarse w/mica & gravel, med., multi-colored	363	415
Clay, grey, medium w/soft lenses, sandy (more sandy w/depth)	415	440
Gravel, multi-colored w/sand, black, coarse-fine	440	455
Sand, grey, medium-coarse	455	490
Gravel, multi-colored w/sand, black, coarse-fine	490	528

Date Started 10/25/19 Completed 1/13/2020

(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 2033 Date 1/15/2020
Signed

(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 1/15/2020
Signed
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: 0.95

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WATER SUPPLY WELL REPORT - continuation page

WELL I.D. LABEL# L 128832
START CARD # 216485
ORIGINAL LOG #

(2a) PRE-ALTERATION

Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd

Material	From	To	Amt	sacks/lbs

(5) BORE HOLE CONSTRUCTION

BORE HOLE Dia	From	To

SEAL Material	From	To	Amt	sacks/lbs
		Calculated		
		Calculated		
		Calculated		
		Calculated		

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
screen		6	380	400	.040			PS
blank		6	400	433				
screen		6	433	473	.040			PS
blank		6	473	475				
screen		6	475	515	.040			PS
blank		6	515	523				

(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

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

(11) WELL LOG

Material	From	To

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Comments/Remarks

Bore diameters are nominal.

Screen assembly notes:
Top of screen assembly has male backoff thread.
Bottom of screen assembly has steel plate bottom.
All blanks in screen assembly are 6"x.250 wall A53B low carbon steel.