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

WELL LABEL # L	108240
START CARD#	208746

(1) LAND OWNER Owner Well I.D. 5	(9) LOCATION OF WELL (legal description)
First Name Last Name	County UMATILLA Twp 3 N N/S Range 29 E E/W WM
Company City of Stanfield	Sec 5 SE 1/4 of the SE 1/4 Tax Lot 1509
Address 160 South Main Street	Tax Map Number 3N 29 05 Lot
City Stanfield State OR Zip 97875	Lat ° ' " or DMS or DD
	Long o or DMS or DD
(2) TYPE OF WORK New Well Deepening Conversion	Street address of well Nearest address
Alteration (repair/recondition) Abandonment	(Succi addiess of well (Nearest address
(3) DRILL METHOD	2115 S. Hwy 395, Stanfield, OR 97875
Rotary Air Rotary Mud Cable Auger Cable Mud	40.60.000
Reverse Rotary Other	(10) STATIC WATER LEVEL Date SWL(psi) + SWL(ft)
	Existing Well / Predeepening
(4) PROPOSED USE Domestic Irrigation Community	Completed Well 02-21-2013 430
Industrial/Commercial Livestock Dewatering	Flowing Artesian? Dry Hole?
Thermal Injection Other	WATER BEARING ZONES Depth water was first found 51
(5) BORE HOLE CONSTRUCTION Special Standard X{Attach copy)	SWL Date From To Est Flow SWL(psi) + SWL(ft)
Depth of Completed Well 1,116 ft.	02-21-2013 925 1,100 2,000 430
BORE HOLE SEAL sacks/	10-10-2012 51 58 10 51
Dia From To Material From To Amt lbs	10-25-2012 97 128 5
30 0 64 Cement 0 89 159 S 28 64 89 Bentonite 0 10 7 S	11-05-2012 270 290 100
24 89 905 Cement 10 905 2,161 S	
20 905 1,114	(11) WELL LOG Ground Elevation
How was seal placed: Method X A B X C D E	Material From To
X Other bentonite poured	see attached formation log
Backfill placed from ft. to ft. Material	
Filter pack from ft. to ft. Material Size	
Explosives used: Yes Type Amount	
(6) CASING/LINER	
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd	
	RECEIVED BY OWRD
© 20	1,120
18 893 897 375 X	1 9 2012
	MAR 1 3 2013
16 898 1,037 375 • X	
Shoe Inside Outside Other Location of shoe(s) 64	SALEM, DR
Temp casing Yes Dia From To	SALLIVI, OTT
(7) PERFORATIONS/SCREENS	
Perforations Method factory mill cut	
Screens Type V-wire wrap Material 304SS	
Perf/S Casing/ Screen Scm/slot Slot # of Tele/	Date Started 10-03-2012 Completed 02-21-2013
creen Liner Dia From To width length slots pipe size	
Perf Liner 16 926 946 .187 3 1,280 Perf Liner 16 955 975 .187 3 1,280	(unbonded) Water Well Constructor Certification
Screen 16 1,037 1,057 .15	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
Screen 16 1,075 1,100 .15	construction standards. Materials used and information reported above are true to
	the best of my knowledge and belief.
(8) WELL TESTS: Minimum testing time is 1 hour	License Number 1367 Date 03-12-2013
Pump Bailer Air Flowing Artesian	Password : (if filing electronically)
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)	Signed All Marie Signed
1,500 20 24	(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
Temperature 73 °F Lab analysis Yes By	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.
Water quality concerns? Yes (describe below) From To Description Amount Units	
Train 10 Propriet Amount Office	License Number 649 Date 03-12-2013 Password (iiffiling electronically)
	Signed Stuffen Julinieds
	Contact Info (optional)
ORIGINAL - WATER RESOURCES I	DEPARTMENT
THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT OF THE WATER RESOURCE DEPARTMENT OF THE WATER RESOURCE DEPARTMENT OF THE WATER RESOURCE DEPARTMENT OF THE WATER	MENT WITHIN 30 DAYS OF COMPLETION OF WORK
	Form Version: 0.89

WATER SUPPLY WELL REPORT - continuation page

WELL I.D. # L 108240

START	CARD#	208746
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(5) B	ORE I	IOLE (CO	NSTRUC	TION				
]	BORE H	OLE				SEAL			sacks/
Dia	From	ı To		Materi	al .	From	То	Amt	lbs
15	1,114	4 1,11	6						
			_						
									\vdash
			_						\vdash
			_						
								├	\vdash
							_		
	FILT	ER PAC							
	From	То	Ma	aterial	Size	_			

(6)	CASING/LINER
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Casing Liner	Dia	+	From	To	Gauge	Stl Plstc Wld Thrd
	16		1,057	1,075	.375	\odot \bigcirc \times \square
\circ	16		1,100	1,114	.375	\odot \bigcirc \boxtimes \square
Q						
\bigcirc	30	닠	35	64	.375	
Q = Q		\square			-	RAHH
\bowtie		뭐			+	\bowtie
\bowtie		H			+-	\times
\bowtie		H			+-+	HHHK

(7) PERFORATIONS/SCREENS

Casing/ Liner	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
						$\overline{}$
	 					
		L			<u> </u>	

(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
	ļ	-	
			

(10) STATIC WATER LEVEL Water Bearing Zones

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
NA	436	450	100		NM
NIA	516	530	20		NM
NA	626	651	1,000		NM
NA	718	723	200		NM
				_	

(11) WELL LOG

Material	From	To
RECEIVED	BA OMI	ID
<u> </u>		
MAR 1	B 2013	
SALE	M, OR	

Comments/Remarks

There is a steel plate ring welded between the 24" and 20" casings at the top o
the 24" casing.

Bore hole dimensions are nominal diameters.

Cement seal listed from 0'-89' is around outside of 24" casing. Other seals are around the 20" casing and between the 24" and 20" casings.

CITY OF STANFIELD

Well No. 5 - Start Card #208746

by Schneider Water Services

EM	то	DESCRIPTION	
<u>FM</u> 0	<u>TO</u> 10	DESCRIPTION Soil, brown, silty	
10	23	Silt, brown, some sandy, packed	
23	31	Silt, pinkish brown to brown, cemented	
31	32	Silt, brown & gravel, 3" minus	
32	36	Gravel, 3" minus & silt, brown	
36	45	Silt, brown & gravel, 1-1/2" minus w/some sand	
45	48	Gravel, 2-1/2" minus, sandy, cemented	
48	54	Silt, brown & gravel, 1" minus w/sand	
54	58	Gravel, 3" minus, cemented, sandy	
58	60	Gravel, 3" minus & clay, brown, soft	
60	65	Gravel, 3" minus, sandy, cemented & some clay	
65	75		
		Basalt, grey & brown, medium, broken & some clay	RECEIVED BY OWRD
75 76	76	Clay, light yellow, sandy, soft	
76	79 07	Basalt, grey & brown, medium, broken	MAR 1 3 2013
79 07	97 128	Basalt, grey & brown, medium-hard, fractured	
97 128	128	Basalt, grey w/ brown, medium, fractured	SALEM, OR
128	134	Basalt, grey, medium w/claystone, green, medium-soft	
134	135	Basalt, grey & some brown, w/some claystone, green, medium-soft	
135	144	Basalt, grey medium w/claystone, green, medium-soft & some cinders, red, medium	
144	147	Basalt, grey, medium & some claystone, green, medium-soft & some cinders, red, medium	
147	152	Basalt, grey, medium-soft, fractured w/claystone, brown-yellow, soft & cinders, red, medium	
152	172	Cinders, red, medium-soft w/claystone, brown-yellow, soft & some basalt, grey	
172	176	Basalt, grey, medium, fractured w/cinders, red & some claystone, brown-yellow, soft-medium	n, fractured
176	177	Cinders, red, medium w/claystone, brown-yellow, soft	
177	184	Basalt, grey-black, medium, fractured w/some cinders, red	
184	270	Basalt, black, hard, some fractures	
270	290	Basalt, black, medium, some vesicular w/cinders, red, soft & claystone, blue-green, soft	
290	300	Basalt, black & red, medium-hard, some fractures	
300	316	Basalt, black & red, medium, fractured w/claystone, green, soft	
316 357	357	Basalt, black, medium-hard, some fractures & vesicles	
	372	Basalt, black, hard, some fractures	
372 413	413 417	Basalt, black, medium, some vesicules & fractures w/some claystone, green, medium	
417	436	Basalt, black, medium, some fractures & vesicules	
436	450	Basalt, black-grey, hard, some fractures Basalt, black w/grey, medium, fractured w/vesicles & claystone, green, medium-soft	
450	460	Basalt, black, hard, some fractures	
460	496	Basalt, black-grey, medium, w/fractures & some vesicles	
	530		
496 530	626	Basalt, black, medium, w/fractures, some vesicular w/some claystone, green, medium	
626	651	Basalt, grey, hard, some fractures	
651	652	Basalt, grey, medium, some fract ures w/claystone, green-grey, medium & some pyrite	
652	671	Basalt, grey, medium, some vesicules Basalt, grey, hard some fractures	
032	0/1	basait, givy, natu some mactures	

CITY OF STANFIELD

Well No. 5 - Start Card #208746

by Schneider Water Services

		- J		
<u>FM</u>	<u>TO</u>	DESCRIPTION		
671	680	Basalt, grey, medium-hard, fractured, some vesicles & pyrite		
680	685	Basalt, grey, hard, some fractures & some claystone & pyrite		
685	690	Basalt, grey, hard w/some pyrite		
690	700	Basalt, grey, medium-hard, fractured, some vesicles		
700	718	Basalt, grey, hard, some fractures		
718	723	Basalt, grey, medium, fractured, some vesicles w/claystone, green, medium & some pyrite		
723	747	Basalt, grey & some brown, medium-hard, fractured, some vesicles w/some claystone, green, medium & some pyrite		
747	753	Basalt, grey, medium-hard, fractured w/some claystone, blue, medium & some pyrite		
753	781	Basalt, grey, hard, fractured		
781	785	Basalt, grey, hard, fractured w/some claystone, blue, medium		
785	800	Basalt, grey, medium, fractured w/some vesicles		
800	825	Basalt, grey, hard, fractured	TOTAL BY OWRD	
825	826	Basalt, grey & brown, medium-hard, fractured, vesicular w/some claystone, grey, medium	RECEIVED BY OWRD	
826	828	Basalt, grey, very hard, fractured w/claystone, grey, medium	MAR 1 3 2013	
828	830	Basalt, grey, hard, fractured w/claystone, green, medium		
830	835	Basalt, grey, very hard, some fractures		
835	862	Basalt, grey, hard, some fractures	SALEM, OR	
862	877	Basalt, grey, medium-hard, fractured, some vesicles & pyrite		
877	892	Basalt, grey, medium-hard, fractured, some vesicles w/some claystone, green, medium		
892	902	Basalt, grey, medium, fractured, some vesicles & claystone, blue-green, medium & some pyrite		
902	904	Basalt, brown, medium, fractured, vesicular		
904	909	Basalt, grey, medium-hard, fractured & claystone, blue-green, medium		
909	925	Basalt, grey, hard, fractured		
925	945	Basalt, dark grey, medium-soft, fractured, some vesicles & occasional claystone, green, soft		
945	954	Basalt, grey, hard, some fractures		
954	980	Basalt, black, medium-soft, fractured, some vesicles & claystone, green		
980	1040	Basalt, dark grey, medium, fractured & some claystone, blue, medium		
1040	1055	Basalt, dark grey, soft-medium, fractured, broken, vesicular & some claystone, blue-green, medium		
1055	1060	Basalt, dark grey, medium, fractured, some vesicles & occasional claystone, blue-greeen, hard		
1060	1078	Basalt, dark grey, hard, some fractures		
1078	1096	Basalt, dark grey & reddish brown, medium-soft, fractured, broken, some vesicles		
1096	1111	Basalt, grey, medium-hard, some fractures		
1111	1116	Basalt, grey, hard, occasional fracture		