

UMAT 57155

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

First Name _____ Last Name _____
 Company City of Stanfield
 Address 160 South Main Street
 City Stanfield State OR Zip 97875

(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 1,116 ft.

BORE HOLE			SEAL				
Dia	From	To	Material	From	To	Amt	sacks/ lbs
30	0	64	Cement	0	89	159	S
28	64	89	Bentonite	0	10	7	S
24	89	905	Cement	10	905	2,161	S
20	905	1,114					

How was seal placed: Method A B C D E
 Other bentonite poured
 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
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	24	<input checked="" type="checkbox"/>	1	89	.375	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	20	<input checked="" type="checkbox"/>	2	905	.375	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	18		893	897	.375	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	18x16		897	898	std	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	16		898	1,037	.375	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Shoe Inside Outside Other Location of shoe(s) 64
 Temp casing Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method factory mill cut
 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
Perf	Liner	16	926	946	.187	3	1,280	
Perf	Liner	16	955	975	.187	3	1,280	
Screen		16	1,037	1,057	.15			PS
Screen		16	1,075	1,100	.15			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)
1,500	20		24

Temperature 73 °F Lab analysis Yes By _____
 Water quality concerns? Yes (describe below)

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County UMATILLA Twp 3 N N/S Range 29 E E/W WM
 Sec 5 SE 1/4 of the SE 1/4 Tax Lot 1509
 Tax Map Number 3N 29 05 Lot _____
 Lat _____ " or _____ DMS or DD
 Long _____ " or _____ DMS or DD
 Street address of well Nearest address

2115 S. Hwy 395, Stanfield, OR 97875

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+ SWL(ft)
Existing Well / Predeepening			
Completed Well	<u>02-21-2013</u>		<u>430</u>

Flowing Artesian? Dry Hole?

WATER BEARING ZONES Depth water was first found 51

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
<u>02-21-2013</u>	<u>925</u>	<u>1,100</u>	<u>2,000</u>		<u>430</u>
<u>10-10-2012</u>	<u>51</u>	<u>58</u>	<u>10</u>		<u>51</u>
<u>10-25-2012</u>	<u>97</u>	<u>128</u>	<u>5</u>		<u>75</u>
<u>11-05-2012</u>	<u>270</u>	<u>290</u>	<u>100</u>		<u>219</u>
	<u>372</u>	<u>417</u>	<u>100</u>		

(11) WELL LOG Ground Elevation _____

Material	From	To
see attached formation log		

Date Started 10-03-2012 Completed 02-21-2013

(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 1367 Date 03-12-2013
 Password: (if filing electronically) _____
 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 03-12-2013
 Password: (if filing electronically) _____
 Signed _____
 Contact Info (optional) _____

(5) BORE HOLE CONSTRUCTION

BORE HOLE			SEAL			Amt	sacks/ lbs
Dia	From	To	Material	From	To		
15	1,114	1,116					

FILTER PACK

From	To	Material	Size

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	16	<input type="checkbox"/>	1,057	1,075	.375	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	16	<input type="checkbox"/>	1,100	1,114	.375	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	30	<input type="checkbox"/>	35	64	.375	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(7) PERFORATIONS/SCREENS

Perf/S creen	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)
NA	436	450	100		NM
NA	516	530	20		NM
NA	626	651	1,000		NM
NA	718	723	200		NM

(11) WELL LOG

Material	From	To

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Comments/Remarks

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

UMAT 57155

CITY OF STANFIELD

Well No. 5 - Start Card #208746

by Schneider Water Services

<u>FM</u>	<u>TO</u>	<u>DESCRIPTION</u>
0	10	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
75	76	Clay, light yellow, sandy, soft
76	79	Basalt, grey & brown, medium, broken
79	97	Basalt, grey & brown, medium-hard, fractured
97	128	Basalt, grey w/ brown, medium, fractured
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, 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	Basalt, black, medium-hard, some fractures & vesicles
357	372	Basalt, black, hard, some fractures
372	413	Basalt, black, medium, some vesicles & fractures w/some claystone, green, medium
413	417	Basalt, black, medium, some fractures & vesicles
417	436	Basalt, black-grey, hard, some fractures
436	450	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
496	530	Basalt, black, medium, w/fractures, some vesicular w/some claystone, green, medium
530	626	Basalt, grey, hard, some fractures
626	651	Basalt, grey, medium, some fractures w/claystone, green-grey, medium & some pyrite
651	652	Basalt, grey, medium, some vesicles
652	671	Basalt, grey, hard some fractures

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SALEM, OR

UMAT 57155

CITY OF STANFIELD

Well No. 5 - Start Card #208746

by Schneider Water Services

<u>FM</u>	<u>TO</u>	<u>DESCRIPTION</u>
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
825	826	Basalt, grey & brown, medium-hard, fractured, vesicular w/some claystone, grey, medium
826	828	Basalt, grey, very hard, fractured w/claystone, grey, medium
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
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-green, 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

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