

STATE OF OREGON
WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

(WELL I.D.)# L 72464

(START CARD) # 147288

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 2

Name City of Cove

Address PO Box 8

City Cove State OR Zip 97824

(2) TYPE OF WORK

New Well Deepening Alteration (repair/recondition) Abandonment *Temporary*

(3) DRILL METHOD:

Rotary Air Rotary Mud Cable Auger

Other Reverse Circulation Rotary

(4) PROPOSED USE:

Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes No Depth of Completed Well 840 ft.

Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
24	0	2	Cement	0	30.7	20 sks ard 18"
20	2	31	Cement	7	560	375 sks ard 12"
16	31	560	also see attached			
12	560	810+	HOLE cont: 10	810+	1001	

How was seal placed: Method A B C D E

Other _____

Backfill placed from 997 ft. to 1001 ft. Material CS slough

Gravel placed from 840 ft. to 997 ft. Size of gravel pea

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 18	+2.5	30.7	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	+5.3	560	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	+8	419	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	419	803	.365	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method air rotary

Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
755+/-	795+/-	.2 x 1	~500			<input checked="" type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
300+/-			1 hr.

Temperature of water ~58F Depth Artesian Flow Found _____

Was a water analysis done? Yes By whom _____

Did any strata contain water not suitable for intended use? Too little

Salty Muddy Odor Colored Other _____

Depth of strata: _____

(9) LOCATION OF WELL by legal description:

County Union Latitude _____ Longitude _____

Township 3 S Range 40 E WM.

Section 22 NW 1/4 NW 1/4

Tax Lot 103 Lot _____ Block _____ Subdivision _____

Street Address of Well (or nearest address) NYA - Haefer Lane

next to Lyndon's Ag and Automotive Repair

(10) STATIC WATER LEVEL:

NA ft. below land surface. Date NA

Artesian pressure 14 lb. per square inch. Date 10/15/04

(11) WATER BEARING ZONES:

Depth at which water was first found 709+/- (disregarding seal interval)

From	To	Estimated Flow Rate	SWL
709+/-	725+/-	75 gpm ~200'DD	216
805+/-	815+/-	see #8	#10
????	<408	<5 gpm	NM

(12) WELL LOG:

Ground Elevation _____

Material	From	To	SWL
See attached			
Original ground level has been raised approximately 4' around well from original land surface with rock.			
All depths are from original ground surface.			
Bob Maynard, OWRD well inspector, was on site on 10/15/04 at the end of final demobilization and approved of the construction (temporary abandonment). He was also provided documentation of the City accepting all responsibility for the well.			
Solid plate ring welded 360 degrees around between 18" and 12" casings. Half dresser seal between 12" and 10" casings. Gage w/ petcock and 6" valve on 10" casing.			

Date started 1/30/04 Completed 10/15/04

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, 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.

Signed [Signature] WWC Number 1797 Date 11/8/04

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, 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.

Signed [Signature] WWC Number 649 Date 11/8/04

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City of Cove - Well No. 2**by Schneider Drilling Co.****Start Card #147288 Label #72464**

<u>FM</u>	<u>TO</u>	<u>DESCRIPTION</u>
0	1	Topsoil, black w/gravel, large & cobbles
1	2	Cobbles & clay, grey
2	84	Boulders & cobbles, hard, tight, multi-color
84	128	Cobbles & gravel w/occasional boulders, medium-hard, multi-color
128	145	Claystone or sandstone, hard, fractured, little cuttings
145	178	Gravel, medium-hard, multi-color w/some claystone, tan, soft
178	195	Cobbles & boulders, some gravel, medium-hard, multi-color
195	200	Sandstone, black, coarse
200	218	Cobbles & boulders, some gravel, medium-hard, multi-colored
218	223	Sandstone, black, coarse
223	226	Cobbles boulders, some gravels, medium-hard, multi-color
226	231	Sandstone, black, coarse
231	408	Cobbles & boulders, some gravels, medium-hard, multi-color
408	458	Cobbles & boulders w/clay, soft, tan, grey & some gravels, medium-hard, multi-color
458	534	Cobbles & boulders w/clay, soft, grey-tan, grey & some gravel, small
534	597	Basalt, grey, medium-hard, some fractures
597	621	Basalt, grey-brown, fractured, medium
621	637	Basalt, brown, medium w/clay, brown, soft
637	647	Basalt, grey, medium w/claystone, brown & clay, multi-colored, soft
647	649	Claystone, grey, brown w/some basalt, grey
649	682	Basalt, grey, brown, medium, fractured w/clay, brown, soft
682	697	Clay, brown, soft
697	709	Clay, tan, soft & some claystone, tan, brown
709	725	Basalt, grey, brown, fractured, medium w/claystone, tan,
725	727	Claystone, brown w/clay, brown, soft
727	728	Basalt, grey & brown, med-hard w/claystone, brown & clay, tan, soft
728	735	Clay, grey & brown, soft w/some claystone, brown
735	741	Basalt, grey, med-hard w/some claystone, tan & clay, grey & tan, soft
741	747	Basalt, grey, med-hard, fractured w/claystone, grey & tan & clay, grey, soft
747	757	Basalt, grey, med-hard, fractured w/claystone, tan
757	768	Claystone, green & tan w/clay, brown, soft (probably unstable)
768	787	Clay, brown, soft w/some claystone, brown (probably unstable)

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787 790 Claystone, brown & grey w/clay, brown & grey, soft (probably unstable)
790 791 Clay, brown, soft w/claystone, brown (probably unstable)
791 793 Claystone, multicolored w/clay, brown, soft (probably unstable)
793 799 Clay, brown, soft w/claystone, brown & white, vesicular (probably unstable)
799 805 Claystone, brown w/clay, brown & grey, soft (probably unstable)
805 808 Basalt, grey, med, some fractures w/some claystone, multicolored
808 815 Basalt, grey & brown, very fractured w/some claystone, multicolored
815 819 Claystone, brown & tan w/some crystal, white
819 824 Clay, tan, soft w/claystone, tan & brown
824 829 Basalt, brown & some black, medium, fractured
829 831 Clay, brown & tan, soft w/some basalt, brown, medium
831 834 Clay, redish-brown, soft w/claystone, redish-brown
834 837 Claystone, redish-brown w/some clay, redish-brown, soft
837 846 Basalt, brown, medium, fractured w/crystals, tan
846 851 Clay, brown, soft w/basalt, brown, medium
851 856 Clay, brown, soft w/claystone, brown
856 860 Basalt, brown, medium-hard w/some fractures
860 861 Basalt, brown, medium-hard w/some fractures & w/lense of grey silty-sand & brown silt
861 866 Basalt, brown, medium-hard w/some fractures & w/some clay, brown, soft
866 871 Basalt, brown, medium-hard, fractured w/some claystone, brown
871 881 Basalt, brown & grey, hard, fractured w/some claystone, brown
881 901 Basalt, brown & some grey, medium-hard, fractured w/claystone, tan
901 911 Basalt, brown, medium, fractured w/claystone, tan
911 912 Basalt, grey, hard w/some clay, grey, soft
912 917 Basalt, grey & red, medium, fractured w/clay, grey, soft
917 922 Basalt, red, medium fractured w/clay, brown, soft & some claystone, tan
922 954 Basalt, grey & red, hard, fractured w/claystone, tan
954 958 Clay, tan, soft
958 993 Basalt, grey & red, hard, fractured, w/claystone, tan
993 1001 Basalt, brown & grey, hard, fractured w/claystone, tan

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With artesion flow at surface stopped using weighted mud, fifty sacks of cement were pumped through a shoe located on the bottom of 10" casing originally positioned at 790'. The location of that cement is unknown.

The 10" casing was subsequently removed and re-installed, without a shoe, to its current position.

Ten cubic yards of cement grout were then pumped through the upper perforations in the 10" casing. The location of that cement is also unknown.