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Attachment E
Well Logs for Existing Wells
Application for Permit Amendment - Columbia Hills Homeowners Association

The original and first copy of this per CEIVER WELL REPORT are to be filed with the

WATER RESOURCES DEPARTMENT APR 6 1979 STATE OF OREGON SALEM, OREGON 97310

COLU State Well No. 8N/2w-22

within 30 days from the date of well completion. WATER RESOURCES DEPT. SALEM. OREGON	e or print) nove this line) 3176 State Permit N	io. ,	
(1) OWNER:	(10) LOCATION OF WELL:		
Name J. Richard Recht	County County Driller's well number		
Address 155 Bovet Road	20 21	R. 2W	*****
San Mateo, California 94402			W.M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivisi	on corner	
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐			
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed w	11	
(3) TYPE OF WELL: (4) PROPOSED USE (check):		235	
Rotary Driven Domestic Municipal Domestic Municipal	Depth at which water was first found Static level 55.3 ft. below land:		2-2/-7a
Dug Bored Irrigation Test Well Other	Artesian pressure O lbs. per square	re inch. Date	3-26-79
CASING INSTALLED: Threaded Welded	(12) WELL LOG: Diameter of well	h = 1 = = = = = = = = = = = = = = = = =	٥
10 " Diam. from + 217" ft. to 303/5" ft. Gage # 250	Depth drilled 509 ft. Depth of comp	-	302 ft.
	Formation: Describe color, texture, grain size		
"Diam. from	and show thickness and nature of each stratu	m and aquifer	penetrated,
PERFORATIONS: Perforated? Yes No.	with at least one entry for each change of forma position of Static Water Level and indicate prin	tion. Report each	h change in
Type of perforator used Mills Knife	MATERIAL	From To	SWL
Size of perforations 1/4 in. by 3/8 in.	Top soil		- SWL
17 perforations from 280 ft. to 302 ft.	Clay Brown Hand	2 21	+
perforations fromft. toft.	Clay Ked Hond	21 28	
perforations from ft. to ft.	Clad Light Brown	28 39	
(E) COPPENS	Clay Blile	39 44	
(7) SCREENS: Well screen installed? Yes No	Clay Brown	44 69	
Manufacturer's Name	Clay Gray	109 74	
Type	Clay Gray Dark	74 185	
Diam. Slot size Set from ft. to ft. Diam. Slot size Set from ft. to ft.	Sand Home Soft Blue Gray	185 294	-
,	Sandstone, Soft	294 30.	2
(8) WELL TESTS: Drawdown is amount water level is lowered below static level _	Sanus TIME, SOFF	302 50	1
Was a pump test made? Yes D No If yes, by whom D)	REC	FIVED	
Yield: 51/2 gal./min. with 245.9tt. drawdown after 13k4 hrs.			1
crotary tested at 301 feet. "		0 2018	
" " " "		2010	
Bailer test gal./min. with ft. drawdown after hrs.			
Artesian flow g.p.m. with ft. drawdown after hrs.	O	WRD -	
perature of water Depth artesian flow encountered ft.	Work started 3-21 1979 Complet	2 2/	70
		ed 3-26	19 [7
(9) CONSTRUCTION:	Date well drilling machine moved off of well	3-26	19 79
Well seal-Material used Coment Scout	Drilling Machine Operator's Certification:		*
Well sealed from land surface to data the ft.	This well was constructed under my Materials used and information reported	direct sup	ervision. ue to my
Diameter of well bore to bottom of seal 10" to 41' in 8" to 230	best knowledge and belief.	11.1	70
Diameter of well bore below seal in well seal 44	[Signed] (Drilling Machine Operator)	Date4	, 19
Number of sacks of cement used in well seal sacks How was cement grout placed? DU "DIDE and	Drilling Machine Operator's License No.	363	
grout sump.			
	Water Well Contractor's Certification:		
Bio divine de la constante de	This well was drilled under my jurisd	iction and this	report is
Was a drive shoe used? ✓ Yes □ No Plugs Size: location ft.	true to the best of my knowledge and hel	oll Ds: 11	na Ton
Did any strata contain unusable water? Yes \(\subseteq No	(Person, firm or corporation)	(Type or	erint Co.
Type of water? Salty depth of strata 475 to 509	Address 3032 Allen St.	Kerso, Wa	(Sh. 786 de
Method of sealing strata off Coment Grout 40 302 feet	reigned D. D. Mc D.D.	,	
	[Signed] Jale III	×	

Size of gravel:

Was well gravel packed?

Yes. No

Gravel placed from

Well 2 - Upper COLU 3174

STATE OF OREGON
WATER WELL REPORT REVISED: Water log report WATER RESOURCES DEPT
(se required by ORS 537.765)
PLEASE TYPE or PRINT IN INC.

(for official use only)

(1) OWNER:	(10) LOCATION OF WELL by legal	description:	
Name Columbia Hill Development Co.	County Columbia 4 4	of Section 22 of	
Address 31900 Callahan Road	Township 3 N (Township is North or South) , Range 2	W Range is East or West), WM.	
City Scappoose State Oregon	Tax Lot Lot Block Subdivision		
(2) TYPE OF WORK (check):	MAILING ADDRESS OF WELL (or nearest address)		
. New Well 🛛 Deepening 🗆 Reconditioning 🗆 Abandon 🗀	31900 Callahan Road		
If abandonment, describe material and procedure in Item 12.	Scappoost, Oregon 97056		
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL of COMPLET	ED WELL:	
Rotary Air 🛛 Driven 🗆 Domestic 🖾 Industrial 🗆 Municipal 🗆	Depth at which water was first found 210	ft.	
Rotary Mud Dug Irrigation Withdrawal Reinjection	Static level 125 ft. below l	and surface. Date 7/22/8	
Cable Bored Diezometric Grounding Test	Artesian pressure lbs. per	square inch. Date	
'5) CASING INSTALLED: Steel ☐ Plastic ☐ Welded ☑ 6. Diam from ±2.7 ft. to 218.7 ft. Gauge		east one entry for each change of	
Threaded ☐ Welded □	MATERIAL	From To SWL	
5	Top soil	0 1	
(6) PERFORATIONS: Perforated? ☐ Yes ☐ No	Clay brown	1 9	
Size of perforations 3/8 in. by 5 in.	Clay red	9 12	
18perforations from _220 ft. to307 ft.	Clay brown Clay red	12 21	
perforations from ft. to ft.	Clay brown	21 28 31	
perforations from ft. to ft.	Clay brownish red	28 31 31 35	
(7) SCREENS: Well screen installed? ☐ Yes ☑ No	Clay red	35 52	
Manufacturer's Name	Clay redish-brown	52 75	
Type	Clay gray-blue w/some shale	75 90	
Diam Slot Size Set from ft. to ft.	Clay light brown	90 122	
Diam. Slot Size ft. to ft.	Clay yellow-brown	122 126	
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	Clay blue-green	126 148	
DEIOT STATE ICTEL	Clay gray	148 160	
Was a pump test made? ☐ Yes ☐ No If yes, by whom? 'eld: yal/min, with ft. drawdown after hrs.	Clay green-blue	160 185	
eld: gal./min. with ft. drawdown after hrs.	Sandstone gray soft	185 204	
Air test 12 gal./min. with drill stem at 307 ft. 1 hrs.	Sandstone blue-gray	204 308	
Bailer test gal./min. with ft. drawdown after hrs.			
Artesian flow g.p.m.			
mperature of water Depth artesian flow encountered ft.			
(9) CONSTRUCTION: Special standards: Yes ☑ No ☐	Date work started/Completed	7/22/85	
Well seal – Material used Cement grout	Date well drilling machine moved off of well 7/22,	/85 19	
Well sealed from land surface to	(unbonded) Water Well Constructor Certifica		
Diameter of well bore to bottom of seal	This well was constructed under my direct supe	rvision. Materials used and	
Diameter of well bore below seal 8.3/4 in. 218	information reported above are true to my best known	wiedge and belief.	
Amount of sealing material	[Signed]	Date, 19	
How was cement grout placed? tremmie pipe	(bonded) Water Well Constructor Certificatio		
	Bond #471F1529 Issued by: Traveler (Sure	ty Company Name)	
Was pump installed?	ft. On behalf of Dale McGhee & Sons Well Drilling Inc.		
Did any strata contain unusable water? Yes No	This well was drilled under my jurisdiction an	d this report is true to the	
Type of Water? depth of strata	best of my knowledge and belief:		
Method of scaling strata off	(Signed) Stur		
Was well gravel packed? Yes No Size of gravel:	(Dated) July 29, 1985	n	
Gravel placed from			

NOTICE TO WATER WELL CONSTRUCTOR The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT. SALEM, OREGON 97310 within 30 days from the date of well completion.

SP*46866-690

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STATE OF OREGON

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BOLU

WATER WELL REPORT RESOURCES A DEPTE OF PRINT IN INK 3174 (for official use only) SALEM, OREGON (10) LOCATION OF WELL by legal description: (1) OWNER: Columbia .--Columbia Hill Development Co. County _ 4 of Section of 3 N 31900 Callahan Road Township _ Range WM. (Range is East or West) StateOregon Scappoose 97056 (2) TYPE OF WORK (check): MAILING ADDRESS OF WELL (or negreet address) 31900 Callahan Road Deepening Reconditioning [Abandon [New Well Scapponse, Oregon 97056 If abandonment, describe material and procedure in Item 12 (11) WATER LEVEL of COMPLETED WELL: (4) PROPOSED USE (check): (3) TYPE OF WELL: ☐ Municipal Depth at which water was first found Rotary Air Driven Domestic Industrial ft. below land surface. Date 7/22/85 Thermal: Static level 125 Rotary Mud Irrigation Withdrawal ☐ Reinjection Artesian pressure lbs. per square inch. Date Other: Piezometric ☐ Grounding ☐ Test (12) WELL LOG: (b) CASING INSTALLED: Steel Depth drilled 311 ft. Depth of completed well 3]] Plastic Formation: Describe color, texture, grain size and structure of materials; and show thickness 250 6 Diam from +2.7 ft to 218.7ft Gauge and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal " Diam. from ft. to Gauge water-bearing strata. LINER INSTALLED: Steel Plastic MATERIAL 188 Top soil .5..... Diam. from .208........ ft. to311.... ft. Gauge . Clay brown Q (6) PERFORATIONS: Perforated? X Yes D No Clay red Size of perforations 3/8 5 Clay brown perforations from 220 ft. to 310 ft. Clay red 21 perforations from ft. to Clay brown 28 31 .. perforations from ft. to ... Clay brownish red 31 35 Clay red (7) SCREENS: Well screen installed? ☐ Yes 🛛 No 35 52 Clay redish-brown 52 75 Manufacturer's Name Clay gray-blue w/some shale 75 90 Type .. Clay light brown 90 122 Slot Size Set from ... Slot Size Set from Clay yellow-brown 122 126 Clay blue-green 126 148 Drawdown is amount water level is lowered (8) WELL TESTS: below static level Clay gray 148 160 Was a pump test made? Yes No If yes, by whom? Clay green-blue 160 185 gal./min. with ft. drawdown after hrs. Sandstone gray soft 185 204 SAndstone blue-gray 204 gal./min. with drill stem at 310 ft. hrs. Air test Reiler test gal./min. with ft. drawdown after hrs. Artesian flow Depth artesian flow encountered perature of water Date work started /completed (9) CONSTRUCTION: Special standards: Yes 🔯 No 🗆 7/22/85 Date well drilling machine moved off of well Well seal-Material used cementarout. (unbonded) Water Well Constructor Certification (if applicable): Well sealed from land surface to This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.32..... sacks 🖾 pounds 🗆 Amount of sealing material How was cement grout placed? tremmie pipe... (bonded) Water Well Constructor Certification: Bond #471F1529 Issued by: Iravelers Insurance (Surety Company Name) On behalf of Dale McGhee Well Drilling Inc. Was pump installed? Type HP Was a drive shoe used?

☐ Yes ☐ No Plugs

Did any strata contain unusable water? ☐ Yes ☐ No Size: location ... This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief: Type of Water? depth of strata Method of sealing strata off

(Signed)

(Dated) __July __24, __1985.

NOTICE TO WATER WELL CONSTRUCTOR The original and first copy of this report are to be filed with the

... ft. to 218 ft.

Size of gravel: ...] /4.

Was well gravel packed? Yes D No

Gravel placed from

WATER RESOURCES DEPARTMENT, SALEM, DREGON 97310 within 30 days from the date of well completion SP*46866-690

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DALE McGHEE & SONS WELL DRILLING, INC.

_3032 Allen St. Road • Kelso, WA 98626 • 206/423-8493.

July 31, 1985

RE: Columbia Hill Development Co. 31900 Callahan Road Scappoose, Oregon 97056

Attention: John Boardens.

This well was constructed with special standards by John Boardens authorization.

The following procedures were discussed with John in a telephone conversation conducted on July 21, 1985 at approximately 9:30 A.M.

- Item # 1. 1/4 inch pea gravel was placed from 190 feet to 218 feet.
- Item # 3. 32 sacks of cement with 5% bentonite was pumped on the outside of the casing.

The driller intended to place a plug 2 feet below the casing and pump cement from the inside of the casing until the cement returned to the surface. This procedure was not completed because water was encountered immediately above and below casing.

A variance was then received for the method of placing cement grout.

Steve McGhee/cw

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WATER RESOURCES DEPT SALEM, OREGON Well #2

STATE OF OREGON
WATER SUPPLY WELL REPORT

COLU 55007

(as required by ORS 537.765)

SKYLES DRILLING, INC.
Instructions for completing this report are on the last page of this form

WELL ID # L **18190** 118190

START CARD# W1027199

Name Columbia Hill HOA Address 2255 Tioga Dr City Menlo Park State CA Zip 94025 (2) TYPE OF WORK: New Well Deepening X Alteration (repair/recondition) Abandonment New Well Deepening Township 3NORTHN or S. Range 2WEST E or W. of WM. Section 22AD SE 1/4 NE 1/4 Tax lot 2400 Lot Block Subdivision Street Address of Well (or nearest address) 31900 Callahan Rd, Scappoose, OR (10) STATIC WATER LEVEL:	(1) OWNER: Well Number: 01	(9) LOCATION OF WELL by legal description: County Columbia Latitude Longitude
Social Casalon Book Menio Park State CA Ze 94025 (2) TYPE OF WORK: New Well Depening	Name Columbia Hill HOA	
(2) TYPE OF WORK: New Well Deepening	Address 2255 Tioga Dr City Monlo Park State CA Zio 94025	Section 22AD SE 1/4 NE 1/4
New Well Deepaning X-Alteration (repeal/recondition) Abandomment		
3) DRILL METHOD: Rolary Ar Rolary Mod Cable Auger		
199 1. below land surface Date 71/5/2015		
X Orber Pump Hoist	(3) DRILL METHOD:	199 ft. below land surface. Date 7/15/2015
A PROPOSED USE: Indigation Indigatio		Artesian pressure lb. per square inch. Date
X Domestic Community Indicatival I		(11) WATER BEARING ZONES:
Thormal Injection Uvestock Other	A STATE OF THE PARTY OF THE PAR	Depth at which water was first found N/A
(5) BORE HOLE CONSTRUCTION: Special Construction approval		From To Estimated Flow Rate SWI
Explosives used Ves XNo Type SEAL Amount HOLE Was SEAL From To Sacks or pounds 6 Unchanged Wether From To Sacks or pounds 6 Unchanged Wether From To Swill Installed liner w/ shale trap. Note: 4" certillock 5'-126" 4" Flush Thread 126'-246" Existing Siller From To Gauge Steel Plastic Welded Threaded Casing \$2.7.218.7.250 \$		FIGHT TO Estimated Township SAVE
Septiment Sept		
HOLE Dismeter From To Material Backing Prom To Secks or pounds Note: 4" certillock 6:-126"		
6 Unchanged Material From To SWL		40.45.1.100
Material From To SWL Clean-out well installed liner w/ shale trap. Note: 4" certillock 6'-126' 4" Flush Thread 126'-246' Existing 5" liner is in well from 205 to 308'. Columbia_3174. Skyl_ES_DRILLING, INC.		
Ciean-out well installed liner w/ shale trap.	6 Unchanged	Material From To SWI
Note: 4" cartillock 6:-126' 4" Flush Thread 126'-246' Existing 5" liner is In well from 205 to 308'.		A STATE OF THE PROPERTY OF THE
How was seal placed: Method A B C D E Other Backfill placed from ft. to ft. Material Cravel placed from ft. to ft. Size of gravel (6) CASING/LINER: Diameter From To Gauge Steel Plastic Welded Threaded Casing: 6 +2.7 218.7 .250 M M M M M M M M M M M M M M M M M M M		
Color Crave placed from ft. c ft. Material Color Crave placed from ft. c ft. Size of grave Color Crave placed from ft. c ft. Size of grave Color Crave placed from ft. c ft. Size of grave Color Crave placed from ft. c ft. Size of grave Color Crave placed from ft. c ft. Size of grave Color Crave placed from ft. c ft. Size of grave Color Crave placed from ft. c ft. Color Crave placed from ft. c ft. Color Crave		
Backfill placed from ft. to ft. Material Grave placed from ft. to ft. Size of gravel (6) CASING/LINER: Diameter From To Gauge Steel Plastic Welded Threaded Existing Shale Trap 100' Shale Tr	How was seal placed: Method A B C D E	4 Flush Inread 120-240
Columbia 3174 Columbia 317		Existing 5" liner is in well from 205 to 308'
Casing C		Columbia 2174
Casing: 6 +2.7 218.7 .250 X X X Existing		Coldmbia_5174
Shale Trap 100' Liner: 4 6 126 Sch40 X X Drive Shoe used Inside Outside None Final location of shoe(s) N/A (7) PERFORATIONS/SCREENS: Parforations Method Saw Screens Type Material From To Size Number Diameter Size Casing Liner 227 245 1/8x4 308 (8) WELL TESTS: Minimum testing time is 1 hour Pump Bailer Air Flowing Artesian Yield gal/min Drawdown Drill stem at Time N/A	Diameter From To Gauge Steel Plastic Welded Threaded	
Shale Trap 100' Liner: 4 6 126 Sch40		SKYLES DRILLING, INC.
Liner: 4 6 126 Sch40		I was a state of the second of
A 126 246 Sch40 X X X X X X X X X		
Final location of shoe(s) N/A (7) PERFORATIONS/SCREENS: X Perforations		DECENT
Separations	21110 01100 0000	RECEIVED BY OWRD
Screens	Final location of shoe(s) N/A	110 10 0010
Screens Type		SEP 1 1 2015
Solit Sale Number Diameter Size Casing Liner Sale		OLI 1 2 Edio
From To size Number Diameter Size Casing Liner 245 1/8x4 308 Date started 8/15/2015 Completed 8/15/2015 Completed 8/15/2015 (unbonded) Water Well Constructor Certification: 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. WWC Number Date Date		OWRD
Date started 8/15/2015	From To size Number Diameter size Casing Liner	SALEM, OR
(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. WWC Number Signed (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. WWC Number I accept responsibility for the construction dates reported above. All work performed 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. WWC Number 1592 Salty Muddy Odor Colored Other	227 245 1/8x4 308	
(8) WELL TESTS: Minimum testing time is 1 hour Pump Bailer Air Flowing Artesian Yield gal/min Drawdown Drill stem at Time N/A (bonded) Water Well Constructor Certification: 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. WWC Number Date Date		Date started 8/15/2015 Completed 8/15/2015
ment 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. WWC Number Signed Date (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. WWC Number Signed Date WWC Number Temperature of Water Depth Artesian Flow found Was a water analysis done? Yes By whom Did any strata contain water not suitable for intended use? Salty Muddy Odor Colored Other Ment of this well is in compliance with Oregon water supply well construction and information reported above are true to the best of my knowledge and belief. WWC Number 1592 Signed Date 9/3/2015		
Salty Muddy Odor Colored Other Standards Materials used and information reported above are true to the best of my knowledge and belief. Standards Materials used and information reported above are true to the best of my knowledge and belief. Standards Materials used and information reported above are true to the best of my knowledge and belief. WWC Number Signed Date Da		1
WWC Number Signed Date	(8) WELL TESTS: Minimum testing time is 1 hour	
Signed Date	Pump Bailer Air Flowing Artesian	
N/A (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. Did any strata contain water not suitable for intended use? Salty Muddy Odor Colored Other N/A	Yield cal/min Drawdown Drill stem at Time	
(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 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. WWC Number 1592 Salty Muddy Odor Colored Other		
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All 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. Did any strata contain water not suitable for intended use? Salty Muddy Odor Colored Other 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. WWC Number 1592 Signed Date 9/3/2015	NO.	(bonded) Water Well Constructor Certification:
Temperature of Water Depth Artesian Flow found 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. Did any strata contain water not suitable for intended use? Too little Salty Muddy Odor Colored Other Signed Much Date 9/3/2015	· · · · · · · · · · · · · · · · · · ·	I accept responsibility for the construction, alteration, or abandonment work
Was a water analysis done? Yes By whom construction standards. This report is true to the best of my knowledge and belief. Did any strata contain water not suitable for intended use? Yes By whom Construction standards. This report is true to the best of my knowledge and belief. WWC Number 1592 Signed Thus Colored Date 9/3/2015	Temperature of Water Depth Artesian Flow found	
Salty Muddy Odor Colored Other Signed Thur Ober Date 9/3/2015		construction standards. This report is true to the best of my knowledge and belief.

WATER SUPPLY WELL REPORT (as required by ORS 537.765)

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

3N/ ZW/ 23H

APR 2 4 1995

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(START CARD) # "	W	14	JU.

(1) OWNER: Well Number	AD LOCATION OF WELL by legal des	cription:	
Name South County Water District/Dick Recht/Pre	S. County Columbia Latitude	Longitud	le
Address 1212 Broadway 17th Floor	Township 3N N or S Range		
City Oakland State Ca. Zip 94612	Section 23 NW 1/4	NW 1/4	
(2) TYPE OF WORK	Tax Lot Block _		
New Well Deepening Alteration (repair/recondition) Abandonment	Street Address of Well (or nearest address) Hillcrest Sub Division, S		
(3) DRILL METHOD:		cappose, UI	regon
Rotary Air	(10) STATIC WATER LEVEL:		/ ₁ /17 /05
Other	75 ft. below land surface.	Date	4/13/95
(4) PROPOSED USE:	Artesian pressurelb. per squ	are inch. Date	-
Domestic Community Industrial Irrigation	(11) WATER BEARING ZONES:		
Thermal Injection Livestock Other		- 0.00	
(5) BORE HOLE CONSTRUCTION:	Depth at which water was first found)	
Special Construction approval Yes No Depth of Completed Well 130 ft.			
Explosives used Yes No Type Amount	From To	Estimated Flo	w Rate SWL
HOLE SEAL	85 91	15	
	91 111	15	
Diameter From To Material From To Sacks or pounds 10^{\pm} 0 43 Cement 0 43 16	111 130	3	
6 43 130			
8 45 150			
W 111 MALE DA DR DE	(12) WELL LOG:		
How was seal placed: Method A B XC D E	Ground Elevation		
Other	W. da	F	To SWL
Backfill placed from ft. to ft. Material	Top Soil		To SWL
Gravel placed from ft. to ft. Size of gravel	Clay Brown-Yellow		19
(6) CASING/LINER:			21
Diameter From To Gauge Steel Plastic Welded Threaded	Clay Blue w/siltstone	19 4	21
Casing: 6 +1'10"43 .250 💢	Sandstone & Clay Blue-		40
	green		42
	Sandstone gray med	42	45
	Shale & Sandstone Blue-		-
Liner: $4\frac{1}{2}$ 10 130	w/streaks of green		60
	Siltstone Brown Med-soft	60	63
Final location of shoe(s) 43	Siltstone & Sandstone		
(7) PERFORATIONS/SCREENS:	green-blue med-soft	63	73
Perforations Method Saw	Sandstone & Siltstone		
Screens Type Material	Blue med-soft	73	85
Slot Tele/pipe From To size Number Diameter size Casing Lines	Sandstone & Siltstone		
76 129 3/8×6 21	Blue med		130
	RECE	VED	
	nu 10	2018	
	JUL 10	2010	
(8) WELLTESTS: Minimum testing time is 1 hour	Date started 4/12/95	npleted 4/	13/95
	(unbonded) Water Well Constructor Certific	1	
Pump Bailer Air Flowing	I certify that the work I performed on the co	nstruction, alteration	n, or abandonment
Yield gal/min Drawdown Drill stem at Time	of this well is in compliance with Oregon water	r supply well constru	uction standards.
33 54 129 1 hr.	Materials used and information reported above and belief.	are true to the best	of my knowledge
THI.		WWC Number	1646
	Signed Show R MEShin		4/20/95
Temperature of water 13C Depth Artesian Flow Found	(bonded) Water Well Constructor Certificat		
	I accept responsibility for the construction,		opment work
Was a water analysis done? Yes By whom The little	performed on this well during the construction	dates reported above	e. All work
	performed during this time is in compliance with Oregon water supply well		
Salty Muddy Odor Colored Other	construction standards. This report is true to the best of my knowledge and belief. WWC Number 1646		
Depth of strata:	Signed & B M Shee	WWC1224 Da	te 4/21/95
CDICDLL A WINGS COLUMN TO STATE OF THE STATE			
ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SE	CONDICOPY-CONSTRUCTOR THIRI	COPY-CUSTON	VIEK

STATE OF OREGON WATER SUPPLY WELL REPORT WELL I.D. # L_ (as required by ORS 537.765) START CARD # Instructions for completing this report are on the last page of this form. (1) LAND OWNER Well Number (9) LOCATION OF WELL by legal description: Name COLLIND County Columbia Latitude ____Longitude Address 100 F Township_ Nor S Range 2 w 2109440 Su 1/4 NE 1/4 Section _ 2 2 (2) TYPE OF WORK Tax Lot 500 __Lot__ _Block_ Subdivision New Well Deepening Alteration (repair/recondition) Abandonment Street Address of Well (or nearest address) Ind Callotontd (3) DRILL METHOD: Rotary Air Rotary Mud Cable Auger (10) ŞTATIC WATER LEVEL: Other_ LO ft. below land surface. Date (4) PROPOSED USE: Artesian pressure _ _lb per square inch Domestic Community Industrial Irrigation (11) WATER BEARING ZONES: ☐ Thermal ☐ Injection ☐ Livestock ☐ Other (5) BORE HOLE CONSTRUCTION: Depth at which water was first found Special Construction approval Yes No Depth of Completed Well Oft. From To Estimated Flow Rate SWL Explosives used Yes No Type_ Amount. 280 300 120 Dapni HOLE SEAL 10 Cemen (12) WELL LOG: How was seal placed: Method Ground Elevation . ☐ Other Backfill placed from _ ft. to___ Material Material From SWL Gravel placed from _ Size of gravel YOUND CIA (6) CASING/LINER: 00 out Sand 120 120 Gauge Steel Plastic Welded Threaded an Claystone 20 160 X 300 X K Drive Shoe used Inside Outside None Final location of shoe(s)_ OWRI (7) PERFORATIONS/SCREENS: > Perforations Method_ ☐ Screens Material Siot Tele/pipe Number Diameter size Casing Liner APR 2 2 2002 8 RESOURCES DEPT. WATER RESUDENCES DEPT. SALEM, OREGON (8) WELL TESTS: Minimum testing time is 1 hour Date started Completed Flowing (unbonded) Water Well Constructor Certification: ☐ Pump XAIT Bailer -Artesian I certify that the work I performed on the construction, alteration, or abandon-Yield gal/min Drawdown Drill stem at Time ment of this well is in compliance with Oregon water supply well construction 50 ! hr standards. Materials used and information reported above are true to the best of my knowledge and belief. WWC Number Signed. Temperature of water Depth Artesian Flow Found (bonded) Water Well Constructor Certification: Was a water analysis done? Yes By whom . I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work Did any strata contain water not suitable for intended use? ☐ Too little performed during this time is in compliance with Oregon water supply well performed during this time is in compnaince — who will be the construction standards. This report is true to the best of my knowledge and belief WWC Number 1780 ☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _

Depth of strata: __

Signed

Date 2.117

STATE OF OREGON

WALER SUFFLI WELL RELOKT	COLUMN COLUMN II ANTINE
(as required by ORS 537.765)	START CARD # 48705
Instructions for completing this report are on the last page of this form.	
(1) LAND OWNER. Well Number 2	(9) LOCATION OF WELL by legal description:
Name COLLADIA HILLS DEVELOPENT	County Columbra Latitude Longitude
Name Columbia Hills Developent Address 100 E 3rd Ave #210	Township 3N Nor S Range 2W For W WM
City Gar Mateo State CA Zipa440	Section 2.2 Su 1/4 NE 1/4
(2) TYPE OF WORK	
New Well Deepening Alteration (repair/recondition) Abandonmen	Tax Lot 500 Lot Block Subdivision
New Well Deepening Aneradon (Jepan/tecondition) Availabilines	Street Address of Well (of hearest address) 140 College A La
(3) DRILL METHOD:	Scappines Cr
Rotary Air Rotary Mud Cable Auger	(10) ŞTATIC WATER LEVEL:
Other	_ 120 ft. below land surface. Date 2129
(4) PROPOSED USE:	Artesian pressure
☑ Domestic ☐ Community ☐ Industrial ☐ Irrigation	(11) WATER BEARING ZONES:
☐ Thermal ☐ Injection ☐ Livestock ☐ Other	
(5) BORE HOLE CONSTRUCTION:	Depth at which water was first found
Special Construction approval Yes No Depth of Completed Well	
Explosives used Yes No Type Amount	The state of the s
	- 280 300 50gpm 120
HOLE SEAL	
Diameter From To Backs or pounds 10" 0 18 Bent 0. 18 Bent 105	Ado
81 18 170 Cement 160 170 3 Sacks	
6" 170 300	
	_ (12) WELL LOG:
How was seal placed: Method □A 💢B 💢C □D □E	Ground Elevation
Other	
Backfill placed fromft. Material	Material From To SWL
Gravel placed fromft. toft. Size of gravel	- Brann Clay 0 80
(6) CASING/LINER:	Tan Soft Sandstone, 80 120 120
Diameter From To Gauge Steel Plastic Welded Threaded	Tan Claystone 120 160.
Diameter From To Gauge Steel Plastic Welded Threaded Casing:	Blue Sandstone 160 300
	DIAC 34751375 100 500
Liner: 4.5 150 300 18 Xa	
	• .
Drive Shoe used Inside Outside None Final location of shoe(s)	
A DEDUCA INTO VOCADADA	
(7) PERFORATIONS/SCREENS: Perforations Method Dill Hole	
Perforations Method DITT HOR	RECEIVED RECEIVED
Screens Type Material	- I - MEUCIVED
Slot Tele/pipe	111 10 0000
From To size Number Diameter size Casing Liner 220 280 1/2 20(+)	APR 2 2 2002 JUL 1 9 2018
	WATER RESOURCES DEPT. SALEM, OREGON OWRD
	SALEM, OREGON " UVVRI)
(O) WELL TREETS. Minimum Analysis in Line	Date started 2/5/97 Completed 2/12/97
(8) WELL TESTS: Minimum testing time is 1 hour	
□ Pump □ Bailer - □ Artesian	(unbonded) Water Well Constructor Certification:
Yield gal/min Drawdown Drill stem at Time	I certify that the work I performed on the construction, alteration, or abandon-
50 300 lhr.	ment 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.
	WWC Number
	Signed Date
Temperature of water 5720 Depth Artesian Flow Found	(bonded) Water Well Constructor Certification:
Was a water analysis done?	- · · · · · · · · · · · · · · · · · ·
Was a water analysis done?	I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work
Did any strata contain water not suitable for intended use?	performed during this time is in compliance with Oregon water supply well
Salty Muddy Odor Colored Other	construction standards. This report is true to the best of my knowledge and belief.
Depth of strata:	1 11(11 WWC Number 1480
	Signed Si

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STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by OR\$ 537.765)

START CARD# 98707

instructions for completing this report are on the last page of this form.			
(1) LAND OWNER Well Number	(9) LOCATION OF WELL by legal de	scription:	
Name Columbia Hills Developmento.	County Oluvible Latitude		
Address 60 E 3rd Ave City San Mater State CA zip 94401	Township 3 N or S Range_		WM.
	Section 22 5w 1/4	NE 1/4	
(2) TYPE OF WORK	Tax Lot 500 LotBlock_	Subdivision	
New Well Deepening Alteration (repair/recondition) Abandonment	Street Address of Well (or nearest address) _		
(3) DRILL METHOD:		Scappiose on	
A Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger	(10) STATIC WATER LEVEL:		~ ~
Other	ft. below land surface.	Date 3-	0-9
(4) PROPOSED USE:	Artesian pressurelb. per squ	are inch Date	
Domestic □ Community □ Industrial □ Irrigation	(11) WATER BEARING ZONES:		
☐ Thermal ☐ Injection ☐ Livestock ☐ Other (5) BORE HOLE CONSTRUCTION:	Depth at which water was first found	80	
Special Construction approval Yes XNo Depth of Completed Well 20 ft.			
Explosives used Yes No Type Amount	From To 320	Estimated Flow Rate	SWL
HOLE SEAL	100 520	- Dagpm	145
Diameter From To Material From To Sacks or pounds		,	
PUID ON DONTON TO US IN SUCKS			
8" 18 80 General 7080 4 Sacks			
0000	<u> </u>		
How was seal placed: Method	(12) WELL LOG:	*	
Other	Ground Elevation	***************************************	
Backfill placed fromft. toft. Material	Material	From To	SWL
Gravel placed fromft. toft. Size of gravel	Clax	0 75	
(6) CASING/LINER:	Sandstone Blue -	75 320	145
Diamejer From To Gauge Steel Plastic Welded Threaded			
Casing: 6" 1 80 250 8 0			
Liner: 4.5 -5 320 -			
		DECEIVED	
Drive Shoe used Inside Outside None		HEUDIVED	
(7) PERFORATIONS/SCREENS:		1 2 2210	
Perforations Method DVIII Hole		JUL 1 9 2018	
Screens TypeMaterial	RECEIVED		
Slot Tele/pipe	TILOLIVED	OWIDD	
From To size Number Diameter size Casing Liner	ADD 0 2 2002	OWND	
200 180 12" 1254	APR 7 2 2002		1
	WATER RESOURCES DEPT		
	SALEM, OREGON		
(8) WELL TESTS: Minimum testing time is 1 hour	Date started 3/4/97 Complet	ed 3/10/9-	7
Flowing	(unbonded) Water Well Constructor Certification	on:	
	I certify that the work I performed on the const		don-
Yield gal/min Drawdown Drill stem at Time	ment of this well is in compliance with Oregon was	ter supply well construction	n
55 320 Ihr.	standards. Materials used and information reported knowledge and belief.	above are true to the best	of my
	and other.	WWC Number	
	Signed	Date	
Temperature of water 52° Depth Artesian Flow Found	(bonded) Water Well Constructor Certification:		
Was a water analysis done? Yes By whom	accept responsibility for the construction, alte	eration, or abandonment w	ork
Did any strata contain water not suitable for intended use? Too little	performed on this well during the construction date performed during this time is in compliance with O	s reported above All work	
a sany a winday a colored a colored a colored	construction standards. This report is true to the best	regon water supply well st of my knowledge and be	lief
Depth of strata:	LAMCAL. I	WWC Number	
A	Signed 9	Dute 3/10	197