

18487 S. Valley Vista Rd.
Mulino, Oregon 97042
(503) 632-5016 Phone
(503) 632-5983 Fax

Pacific Hydro-Geology Inc.

Memo

E-RECEIVED
June 17, 2022
OWRD

To: Oregon Water Resources Department / Kim French
From: Doann Hamilton, CWRE
CC:
Date: June 17, 2022
Re: Application G-19038.

On March 4, 2022 the initial review came out on our client Clackamas County Parks – Barton, Application G-19038. After reviewing this initial review our client needed time to determine some changes to the application. We requested and got an Administrative Hold to October 8, 2022.

Our client has now made the determination to remove Proposed Well 1 to be drilled and add an existing well: Stockpile Well (CLAC 69616) (See attached well log). We have made changes to the application and map to reflect this change and attached to this memo.

Because this will require a new groundwater review, please let us know what that additional cost will be to proceed and please remove this application off Administrative Hold.

CERTIFIED WATER RIGHT EXAMINER
85503
Doann Hamilton
DOANN HAMILTON
MAY 10, 2012
STATE OF OREGON
EXPIRES: *June 30, 2023*

June 17, 2022

OWRD

SECTION 2: PROPERTY OWNERSHIP

Please indicate if you own all the lands associated with the project from which the water is to be diverted, conveyed, and used.

- YES, there are no encumbrances.
- YES, the land is encumbered by easements, rights of way, roads or other encumbrances.
- NO, I have a recorded easement or written authorization permitting access.
- NO, I do not currently have written authorization or easement permitting access.
- NO, written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigation and/or domestic use only (ORS 274.040).
- NO, because water is to be diverted, conveyed, and/or used only on federal lands.

Affected Landowners: List the names and mailing addresses of all owners of any lands that are not owned by the applicant and that are crossed by the proposed ditch, canal or other work, even if the applicant has obtained written authorization or an easement from the owner. (*Attach additional sheets if necessary*).

NA

Legal Description: You must provide the legal description of: 1. The property from which the water is to be diverted, 2. Any property crossed by the proposed ditch, canal or other work, and 3. Any property on which the water is to be used as depicted on the map.

SECTION 3: WELL DEVELOPMENT

WELL NO.	NAME OF NEAREST SURFACE WATER	IF LESS THAN 1 MILE:	
		DISTANCE TO NEAREST SURFACE WATER	ELEVATION CHANGE BETWEEN NEAREST SURFACE WATER AND WELL HEAD
STOCKPILE WELL	CLACKAMAS RIVER	APPROX. 2,000 FEET	APPROX. 40 FEET
WEST CAMPGROUND WELL	CLACKAMAS RIVER	APPROX. 1,000 FEET	APPROX. 50 FEET

Please provide any information for your existing or proposed well(s) that you believe may be helpful in evaluating your application. For existing wells, describe any previous alteration(s) or repair(s) not documented in the attached well log or other materials (*attach additional sheets if necessary*).

Stockpile Well: see Well Log (CLAC 69616)

West Campground Well: see Well log (CLAC 70813)

Revised
6-17-22
AH

SECTION 3: WELL DEVELOPMENT, continued

Total maximum rate requested: 0.22 CFS (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

The table below must be completed for each source to be evaluated or the application will be returned. If this is an existing well, the information may be found on the applicable well log. *(If a well log is available, please submit it in addition to completing the table.)* If this is a proposed well, or well-modification, consider consulting with a licensed well driller, geologist, or certified water right examiner to obtain the necessary information.

*Revised 6-17-22
JH*

OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO.* OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER	CASING INTERVALS (IN FEET)	PERFORATED OR SCREENED INTERVALS (IN FEET)	SEAL INTERVALS (IN FEET)	MOST RECENT STATIC WATER LEVEL & DATE (IN FEET)	PROPOSED USE			
										SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL-SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE-FEET)
STOCKPILE WELL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	CLAC 69616	<input type="checkbox"/>	6 INCH	0 TO 717	NONE	0 TO 20, 20-49, 707-717	149 FEET PER WELL LOG (APRIL 3, 2013)	BASALT	762 FEET		
WEST CAMPGROUND WELL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	CLAC 70813	<input type="checkbox"/>	6 INCH	0 TO 701	NONE	0 TO 701	100 FEET PER WELL LOG (NOVEMBER 8, 2013)	BASALT	762 FEET		
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>						TOTAL:		98.7 GPM	21.5 AF
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									

* Licensed drillers are required to attach a Department-supplied Well Tag, with a unique Well ID or Well Tag Number to all new or newly altered wells. Landowners can request a Well ID for existing wells that do not have one. The Well ID is intended to serve as a unique identification number for each well.
 ** A well log ID (e.g. MARI 1234) is assigned by the Department to each log in the agency's well log database. A separate well log is required for each subsequent alteration of the well.
 *** Source aquifer examples: Troutdale Formation, gravel and sand, alluvium, basalt, bedrock, etc.

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For Department Use: App. Number: _____

STATE OF OREGON
WATER SUPPLY WELL REPORT
 (as required by ORS 537.765)

CLAC 69616
SKYLES DRILLING, INC.

WELL ID # L **110858**
 START CARD # **W1019309**

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

503-856-2683

(1) OWNER: Well Number: **5**
 Name **Clackamas County Facilities/Barton Park Well**
 Address **1710 Red Soils Ct., Suite 200**
 City **Oregon City** State **OR** Zip **97045**

(2) TYPE OF WORK:
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other **Holte**

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval Yes No Depth of Completed Well **762** ft.
 Explosives used Yes No Type _____ Amount _____

HOLE		SEAL		Amount	
Diameter	From To	Material	From To	sacks or pounds	
11.6	0 49	Bentonite	20 0	13 Sacks	
7.6	49 707	Cem w/5%Ben	49 20	13 Sacks	
8	707 717	Cement	717 707	5 Sacks	
6	717 762				

How was seal placed: Method A B C D E
 Other **Poured bentonite**
 Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From To	Gauge	Steel	Plastic	Welded	Threaded
6	+3 717	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

 Liner: **None**
 Drive Shoe used Inside Outside None
 Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
None						<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
110		760	0.25 hr.
42		300	0.25 hr.
16		200	1.00 hr.

Temperature of Water **60** 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 **Fine Sand & Mica**
 Depth of strata: **140-208'**

(9) LOCATION OF WELL by legal description:
 County **Clackamas** Latitude _____ Longitude _____
 Township **2SOUTH** N or S. Range **3EAST** E or W. of WM.
 Section **23A** **SE** 1/4 **NW** 1/4
 Tax lot **00500** Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) **19009 SE Barton Park Rd, Boring, OR**

(10) STATIC WATER LEVEL:
149 ft. below land surface. Date **4/3/2013**
 Artesian pressure _____ lb. per square inch. Date _____

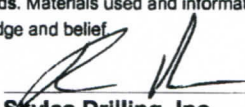
(11) WATER BEARING ZONES:
 Depth at which water was first found **20'**

From	To	Estimated Flow Rate	SWL
20	41	Trace	20
140	208	10	70
717	762	110	149

(12) WELL LOG:
 Ground elevation _____

Material	From	To	SWL
Gravel	0	1	
Clay, brown w/cobbles	1	5	
Cobbles w/gravel & boulders	5	41	
Clay, blue	41	55	
Clay, gray gritty	55	99	
Clay, gray very sandy	99	127	
Clay, gray sandy w/layers of sand, fine w/mica & wood	127	180	
Sand, fine w/mica	180	208	
Clay, gray	208	254	
Clay, gray sandy	254	269	
Clay, bluish-gray sandy	269	282	
Clay, gray	282	289	
Clay, bluish-gray sandy	289	292	
Clay, dark gray	292	297	
Sand, multicolored coarse w/pumice	297	298	
Clay, blue & gray sandy	298	303	
Clay, gray sandy	303	305	
Sandstone, gray	305	308	
Claystone or clay, gray sandy	308	319	
Clay, blue	319	328	
Clay, gray	328	340	
Clay, mc sandy	340	344	

Continued on next page
 Date started **3/19/2013** Completed **4/3/2013**

(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  WWC Number **1715**
 Date **4/4/2013**
Skyles Drilling, Inc. SALESMAN

(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  WWC Number **1592**
 Date **4/4/2013**
Skyles Drilling, Inc.

STATE OF OREGON
WATER SUPPLY WELL REPORT
 (as required by ORS 537.765)

CLAC 69616
SKYLES DRILLING, INC.

WELL ID # L **110858**
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(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval Yes No Depth of Completed Well _____ ft.
 Explosives used Yes No Type _____ Amount _____

HOLE SEAL
 Diameter From To Material From To Amount
 sacks or pounds
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How was seal placed: Method A B C D E
 Other
 Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used Inside Outside None
 Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<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

Temperature of Water _____ Depth Artesian Flow found _____
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 Did any strata contain water not suitable for intended use? Too little
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 Depth of strata: _____

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 _____ ft. below land surface. Date _____
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
 Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL

(12) WELL LOG: Ground elevation _____

Material	From	To	SWL
Clay, gray	344	347	
Clay, blue	347	361	
Clay, gray sandy	361	369	
Claystone &/or clay, blue & gray	369	420	
Lava, gray & brown porous & fractured soft	420	432	
Clay, gray sandy	432	440	
Claystone, brown & blue	440	446	
Claystone, gray & brown	446	473	
Shale, dark brown	473	481	
Claystone, gray & brown	481	520	
Shale, dark brown	520	524	
Claystone, gray & brown w/seams of lava, brown or gray	524	655	
Claystone, brown fractured	655	691	
Sandstone, gray	691	695	
Claystone, brown	695	703	
Basalt, gray fractured	703	707	
Basalt, gray	707	717	
Basalt, gray & black fractured	717	754	149
Basalt, gray & black semi-porous	754	762	149

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Date started **3/19/2013** Completed **4/3/2013**

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