BRITISH COLUMBIA

Ministry of Environment

Well Construction Report

☐ Well Closure Report
☐ Well Alteration Report

PRILLWELL ENTERPRISES LTD.

rt 4994 Polkey Road

Sibuncam Brov von dwgress/
ph prione 2501-746-5568 sired.

inistry	Well	ID	Plate	Number:	
inistry	Well	Ta	g Nun	nber:	

Ministry Well Tag Number:

☐ Confirmation/alternative specs. attached
☐ Original well construction report attached

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Air lifting	g - 🗆 :	Surging	□ Jetting		Pumpin	g □ Ba	ailing		To	otal de	oth dril	led:	520	2_ft	Finis	shed well	depth:	520	ft (bgl)
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Signature Driller Re		le /	1/~	_	1	/	oria B(VICE											





Well Pumps & Water Treatment Solutions

Sept 3, 2020

Attention: Earth Corporation (Devin Hawes)

Re: Lot 25 Goldstream Heights. ID# 60923 Well Pump Test.

Devin,

On August 12, 2020 service technicians from Wellmaster Pumps and Water Systems Ltd. were contracted to pump test a well located at Lot 25 Goldstream Heights. The well was drilled to 520 feet but due to instability the well was measured 465 feet deep with a static level of 15.8 feet, well ID# 60923.

A rental pump was installed to 440 feet. The well was pumped for a period of 170 minutes where the water level dropped from the initial 15.8 feet from surface to a stabilized level of +/- 393 feet. The stabilized level was held for a period of 50 minutes at a pump rate of ~7.3 US gallons / min. The water was coloured for most of the test but cleared near the end. There was no odor detected at this time. The estimated well inflow rate currently is 7.0 US gallons/min.

Water samples were taken to the lab for Bacteria and Mineral analysis.

Wellmaster Pumps does not certify nor warrant these results. These results are based on years of experience in the groundwater industry. Please consider these results can and will be affected by seasonal changes, geologic events, industrial occurrences and population growth in the area.

Kindest Regards

Chris Dutnall Wellmaster Pumps.

Client/Code

VOR 1LO

Wellmaster Pumps - M *A PO Box 221 Cobble Hill, BC

Date 13Aug20 1:48p Source Well Type of Sample water No. of Samples

8.30

1.

Comments Arrival temp.: TEL: chris@wellmasterpumps.com Amended: 22Sep20

Sample: Goldstream Heights - Lot 25 ID 60923 12Aug20 02:30p

					Maximum Limits Permissible
	ELEMENTS		SAMPLE	UNITS	<u>In Drinking Water*</u>
1)	Aluminium	Al	0.144	mg/L	no limit listed
2)	Antimony	Sb	2.48	ug/L	6.00 ug/L
3)	Arsenic	As	<0.500	ug/L	10.0 ug/L
4)	Barium	Ba	0.056	mg/L	1.00 mg/L
5)	Beryllium	Be	<0.003	mg/L	no limit listed
6)	Boron	В	0.121	mg/L	5.00 mg/L
7)	Cadmium	Cd	<0.010	ug/L	5.00 ug/L
8)	Calcium	Ca	57.6	mg/L	200 mg/L
9)	Chromium	Cr	<0.010	mg/L	0.050 mg/L
10)	Cobalt	Co	<0.020	mg/L	no limit listed
11)	Copper	Cu	<0.008	mg/L	1.00 mg/L
12)	Gold	Au	<0.040	mg/L	no limit listed
13)	Iron	Fe	0.173	mg/L	0.300 mg/L
14)	Lanthanum	La	<0.020	mg/L	no limit listed
15)	Lead	Pb	<0.500	ug/L	5.00 ug/L
16)	Magnesium	Mg	3.61	mg/L	50.0 mg/L
17)	Manganese	Mn	0.030	mg/L	0.120 MAC 0.020 A0
	Molybdenum	Mo	<0.020	mg/L	no limit listed
	Nickel	Ni	<0.050	mg/L	no limit listed
	Phosphorus	P	0.053	mg/L	no limit listed
	Potassium	K	0.450	mg/L	no limit listed
	Scandium	Sc	<0.050	mg/L	no limit listed
	Silicon	Si	6.88	mg/L	no limit listed
\$250 M. \$20.00	Silver	Ag	<0.010	mg/L	no limit listed
0.300	Sodium	Na	9.78	mg/L	200 mg/L
0.000 m.co.	Strontium	Sr	0.420	mg/L	no limit listed
	Titanium	Τi	<0.010	mg/L	no limit listed
	Tungsten	W	<0.050	mg/L	no limit listed
	Vanadium	٧	<0.010	mg/L	no limit listed
30)		Zn	0.013	mg/L	5.00 mg/L
	ness (mg/L	CaCO ₃)	159	mg/L	150-300 mg/L = hard
рН			7.66	units	7.0 to 10.5

^{*} As per Canadian or B.C. Health Act Safe Drinking Water Regulation BC Reg 230/92, & 390 Sch 120, 2001. Task Force of the Canadian Council of Resource and Environment Ministers - Guidelines for Canadian Drinking Water Quality, 2019. Comments:

All constituents tested meet Canadian and B.C. drinking water standards.

R. Bilodeau Analytical Chemist H. Hartmann

Sr.Analytical Chemist



ANALYTICAL & TESTING SERVICES P.O. BOX 2103, SIDNEY, B.C. V8L 3S6

TEL: (250) 656-1334 EMAIL: info@mblabs.com

Client/Code

VOR 1LO

Wellmaster Pumps - M *4 PO Box 221 Cobble Hill, BC

Date 13Aug20 1:480 Source Well Type of Sample water

No. W155768

No. of Samples 1

chris@wellmasterpumps.com

8.3C Comments Arrival temp.: Amended: 22Sep20

Sample: Goldstream Heights

			CFU/1	.00 ml	CFU/	LOO ml	CFU/100 mL
Site Code	<u>Date</u>	<u>Time</u>	TC	T-NC	FC	F-NC	<u>E.coli</u>
Lot 25 ID 60923	12Aug20	02:30p	0	0	0	0	0

TC = total coliform bacteria

FC = fecal coliform bacteria (aka thermotolerant coliforms)

NC = non-coliform bacteria

CFU/100 ml = colony forming units per 100 milli-litres

Results may be adversely affected if samples are submitted to the laboratory more than 24 to 30 hours after collection.

E. coli = Escherichia coli, FDA/BAM 8th ed, 1995 + Revision A, 1998 Bergy's Manual of Systematic Bacteriology vol 1, AOAC 1984; J.Clin.Micro., J.Intern.Systm.Bact.

Comments:

For Interpretation of Results:

Total or Fecal Coliforms present greater than 0 CFU/100mL (0 CFU/mL): IF Coliform numbers exceed safe limits for drinking waterwater is not suitable for drinking without treatment.

Total Non-coliform bacteria (=Lactose Fermentors) equal to or greater than 200 CFU/100mL (2.0 CFU/mL):

IF the number of organisms present exceed recommended guidelines for drinking water; treatment is strongly recommended.

- see following page for chemistry results -

W. Riggs Sr. Microbiologist

TEL: (250) 656-1334 EMAIL: info@mblabs.com

	Витіян
	Report 1 - Detailed Well Record
	Construction Date: 2007-02-27 00:00:00
Well Tag Number: 88334	
	Driller: Drillwell Enterprises
Owner: GOLDSTREAM HEIGHTS	Well Identification Plate Number: 21623
•	Plate Attached By:
Address:	Where Plate Attached: CLAMPED TO CASING
Area:	PRODUCTION DATA AT TIME OF DRILLING:
	Well Yield: 2 (Driller's Estimate) U.S. Gallons per Minut
WELL LOCATION:	Development Method: Air lifting
MALAHAT Land District	Pump Test Info Flag: N
District Lot: 8 Plan: Lot: 25	Artesian Flow:
Township: Section: Range:	Artesian Pressure (ft):
Indian Reserve: Meridian: Block:	Static Level: 20 feet
Quarter:	
Island:	WATER QUALITY:
BCGS Number (NAD 83): 092B053114 Well:	5 Character:
	Colour:
Class of Well: Water supply	Odour:
Subclass of Well: Domestic	Well Disinfected: Y
Orientation of Well: Vertical	EMS ID:
Status of Well: New	Water Chemistry Info Flag: N
Licence General Status: UNLICENSED	Field Chemistry Info Flag:
Well Use: Private Domestic	Site Info (SEAM): N
Observation Well Number:	
Observation Well Status:	Water Utility: N
Construction Method:	Water Supply System Name:
Diameter: inches	Water Supply System Well Name:
Casing drive shoe: N N	2334-250 JB
Well Depth: 305 feet	SURFACE SEAL:
Elevation: 1294 feet (ASL)	Flag: N
Final Casing Stick Up: 24 inches	Material: Bentonite clay
Well Cap Type: STEEL	Method: Poured
Bedrock Depth: 4 feet	Depth (ft): 18 feet
Lithology Info Flag: N	Thickness (in): 2 inches
File Info Flag: N	Liner from To: feet
Sieve Info Flag: N	
Screen Info Flag: N	WELL CLOSURE INFORMATION:
170	Reason For Closure:
Site Info Details:	Method of Closure:
Other Info Flag:	Closure Sealant Material:
Other Info Details:	Closure Backfill Material:
y no le ma lessaceas	Details of Closure:
Screen from to feet	Type Slot Size
Casing from to feet	Diameter Material Drive Shoe 6 Steel N
0 4	10 null N
GENERAL REMARKS: 80' 1/2 GPM, 130' 1 GPM, 260' 2 GPM.	
LITHOLOGY INFORMATION:	
From 0 to 4 Ft. Loose FILL b	rown
From 4 to 305 Ft. Medium BEDROCK,	GRANITE grey