



Government  
Department of Environment  
Water Resources Section V-310  
Yukon Water Well Registry  
Box 2703 Whitehorse, Yukon Y1A 2C6

#255  
204140323

Well ID: Well 1

To be assigned by Dept. Of Environment

**WATER WELL  
DRILLERS FORM**

Metric  Imperial

**INSTRUCTIONS FOR COMPLETING THE FORM**

1. Additional information is provided at the bottom of this form on page 2.
2. Question can be directed to Water Resources at 867 667-3171.
3. All well construction measurements shall be reported to 0.1 m or 0.3 ft.
4. Please print clearly in blue or black ink.
5. Completion and submission of this form is the responsibility of the drilling contractor.
6. Please specify metric or imperial units for all measurements.

**WELL LOCATION AND OWNER'S INFORMATION**

A1 Well Name: Well 1 Optional (i.e. City Well No. 2)

A2 Drilled For: Christian Bernache Takhini Hot Springs Ltd  
*Garry Umblich*  
 First Name Last Name Company / Department / Organization

A3 Street Address of Well Location: Takhini Hot Springs

**Sketch of Well Location**  
In sketch, indicate distances from property line, septic field, fuel tank(s) and building. Please include North arrow.

A4 Town / Village / Area / Lot #: lot 1095

A5 UTM Coordinates (using handheld GPS): NAD 8 | 3 Zone 87

480446 Easting 6749008 Northing

100-300m

A6 Elevation of Top of Casing: 2 m / ft ASL

A7 Accuracy of GPS:          +/- m / ft

**A8 Purpose of Wells**

- Domestic     Test Well     Irrigation     Environmental (Quality)  
 Commercial     Municipal     Observation - Water Level     Other (please identify use)  
 Industrial     Agricultural     Public/Recreational

**LOG OF OVERBURDEN AND BEDROCK MATERIALS** (All depths are below ground surface, circle appropriate units, use descriptors provided)

EXAMPLE ONLY	Depth (m/ft)	B4 General Colour	B5 Most Common Material	B6 Secondary Materials		B7 General Description
				trace gravel	some silt	
	0-20	brown	Clay & Gravel	gravel 30%		hard
	20-47	brown	Clay & Gravel	gravel 30%		hard
	47-60	Grey	Clay			soft
	60-80	Grey	clay			soft
	80-90	Green	clay			soft
	90-107	Green/Black	bedrock			soft
	107-120	black	bedrock			hard
	120-140	brown/red	bedrock			soft wet
	140-170	red	bedrock			soft
	170-160	black	bedrock	quartz in with		Hard wet more
	160-170		quartz in with	black bedrock		water

B8 Permafrost Encountered:  NO     YES    If yes, indicated depth (m/ft): from:          to:         

**WELL CONSTRUCTION** (Continues on Page 2)

Date Well Completed: 2014 06 03  
 Y Y Y Y M M D D

Example: 2005 01 31

C1 Drilling Method:  Air Rotary (Conventional)     Dug     Other (please specify)  
 Reverse Air Rotary     Cable Tool  
 Mud Rotary     Auger (Hollow / Solid Stem)

C2 Well Type: In what geological material is the water producing zone located?  
 OVERBURDEN     BEDROCK

**Casing** (depth below ground surface, please circle appropriate units)

C3 Outside Diameter: 6 (cm / in)  
 C4 Casing Material:  Steel     Plastic     Other  
 C5 Casing Wall Thickness: 2.5 (cm / in)  
 C6 Casing Depth to: 207 (m / ft)

C7 Other Comments Regarding Casing:  
          
        

Clear Form    Print Form

Surface / Environmental Seal (depth below ground surface, please circle appropriate units)

C8 Seal Material Type: Bentonite
C9 Diameter of Seal: 10 cm/in
C10 Seal Depth from: 15 m/ft
C11 Seal Depth to:
C12 Volume Placed:

Gravel Pack (depth below ground surface, please circle appropriate units)

C13 Gravel Pack: NO
If yes, indicated depth (m/ft):
Indicate diameter of material: (mm/inches)
Material type: (i.e. silica)

Well Screen Information (depth below ground surface, please circle appropriate units)

C14 Outside Diameter:
C15 Screen Material: Stainless Steel, Steel, Plastic, N/A, Other
C16 Screen Type: Continuous Wire Wrap, Louver Screen, Perforated, Slotted, Open Hole
C17 Depth from:
C18 Depth to:
Slot Size / Perforation Dia:
C19 Screen Comments:

WELL DEVELOPMENT AND STATUS

D1 Well Developed by: Surge Block, Water Jetting, Air Jetting / Air Lifting, Bailing, Pumping, Other
D2 Well Head Completion: Well House, Pitless Adaptor, Well Pit, None
D3 Well Head Stick-up: (above ground surface)
D4 Static Water Level: (below top of casing)
D5 Well Yield Estimate: (Lps / gpm)
D6 Final Well Status: Water Supply, Stand by, Observation, Not in use, Deepened, Other, Abandoned, Dry, Poor Quality, Insufficient Yield, Artesian conditions
D7 Well Abandonment Status: Was the well properly decommissioned with bentonite grout?
D8 Method Used to Estimate Well Yield: Air Lifting, Bailing, Pumping Test

PUMPING TEST RECORD AND GROUNDWATER QUALITY

(All depths below ground, circle appropriate units)

E1 Pumping Test Information

Pumping Test: Start Date:
Y Y Y Y M M D D

Static Water Level (SWL): (m/ft)

Pump Intake Set at: (m/ft)

Duration of pumping: hrs min

Final Water Level (FWL) at end of Pumping Test: (m/ft)

G1 GROUNDWATER QUALITY

Field Data: Date Measurements Taken:
Y Y Y Y M M D D

Electrical Conductivity: uS
pH:
Temperature: °C

Groundwater Type: Salty, Sulphur / Egg Odour, Organic Taste / Odour, Metallic Taste, Other

RECOMMENDATIONS

Recomm. Pump Depth: (m/ft)
Recomm. Pumping Rate: (Lps / gpm)
If flowing, provide rate: (Lps / gpm)

Turbidity/Sand Content

Clear, Slightly turbid/cloudy, Moderately turbid/cloudy, Turbid/cloudy, Trace sand present, No sand present

Well Disinfection

Was the well disinfected upon completion of the pump installation? YES NO
Briefly describe method of well disinfection.

F1 Well Water Level Drawdown/Recovery DATA

Table with 4 columns: Time (min), Water Level (m/ft), Time (min), Water Level (m/ft). Rows for 0, 1, 2, 3, 4, 5, 10, 15, 20, 25, 30, 40, 50, 60 minutes.

Bacteria Testing

Was a sample taken? YES NO
Date Sample Taken:
Y Y Y Y M M D D

Chemical Analysis of Water

Was a sample taken? YES NO
Date Sample Taken:
Y Y Y Y M M D D

Clear Form Print Form

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: Cathway
H2 Name of Driller(s):
H3 Address of Driller:
Signature of Primary Driller:
Date Submitted to Dept. of Environment: Y Y Y Y M M D D

CONSULTANT (if applicable)

I1 Company Name:
I2 Company Address:
I3 Report Reference:
I4 Report Date:
Y Y Y Y M M D D

ADDITIONAL INSTRUCTIONS

Upon completing this form, please mail or fax it to:
Water Resources Section (V-310), Department of Environment, Government of Yukon Box 2703, Whitehorse, Yukon, Canada Y1A 2C6
Please feel free to contact us at: Phone: (867) 667-3171, Toll free (in Yukon): (1-800) 661-0408, local 31711 Fax: (867) 667-3195 E-mail: Water.Resources@gov.yk.ca

Personal information contained on this form is collected under the authority of the Access to Information and Protection of Privacy (ATIP) Act, Section 29 (c) and will be used to compile a public database of well and ground water information. For further information contact the Manager of Hydrology, Water Resources at (867) 667-3223, toll free within Yukon 1-800-661-0408 Ext 3223. I have read the above clause and understand the purpose for collection of personal information. Signature of Well Owner