



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

Well ID: Well 1

To be assigned by Dept. Of Environment

**WATER WELL
DRILLERS FORM**

Metric Imperial

INSTRUCTIONS FOR COMPLETING THE FORM

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

[Redacted]

Company / Department / Organization

Takhini Hot Springs Ltd

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

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

EXAMPLE ONLY	Depth (m/ft) B2 From B3 To	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	Gassy	Clay			soft
	60 80	Gassy	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
	140 160	red	bedrock			soft
	160 170	black	bedrock	quartz in with		Hard but more 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
 (i.e. Bentonite)
 C9 Diameter of Seal: 10" (cm / in)
 C10 Seal Depth from: 15' (m / ft)
 C11 Seal Depth to: _____ (m / ft)
 C12 Volume Placed: _____ (m³ / ft³)

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

C13 Gravel Pack: NO If yes, indicated depth (m / ft): _____
 YES from: _____ to: _____ 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: _____ (cm / in)
 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: _____ (m / ft) C18 Depth to: _____ (m / ft)
 Screen 1. _____ (m / ft) _____ (m / ft) _____ Thou. / mm / inches
 Screen 2. _____ (m / ft) _____ (m / ft) _____ Thou. / mm / inches
 Screen 3. _____ (m / ft) _____ (m / ft) _____ Thou. / mm / inches
 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 Depth of adaptor: _____ (m / ft) Well Pit (NOT PERMITTED) None (well not completed)
 D3 Well Head Stick-up (above ground surface) 18' (m / ft) (Use negative if below grade)
 D4 Static Water Level (below top of casing) _____ (m / ft) (Use negative if below grade)
 D5 Well Yield Estimate 10 / 20 gpm (Lps / gpm)
 D6 Final Well Status: Water Supply (in use) Stand by (Back-up) Observation Not in use Deepened Other: _____
 Abandoned if well was abandoned, please give reason: _____
 Dry Poor Quality Insufficient Yield Artesian conditions
 D7 Well Abandonment Status: Was the well properly decommissioned with bentonite grout? YES NO
 If YES, Indicate Date: _____
 D8 Method Used to Estimate Well Yield: Air Lifting Bailing Pumping Test (If test conducted, complete Pumping Test Record)

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

Drawdown		Recovery	
Time (min)	Water Level (m / ft)	Time (min)	Water Level (m / ft)
0 (SWL)		0 (FWL)	
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Bacteria Testing
 Was a sample taken? YES NO If yes, indicate the name of the laboratory
 Date Sample Taken: _____
 Y Y Y Y M M D D

Chemical Analysis of Water
 Was a sample taken? YES NO If yes, indicate the name of the laboratory.
 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: 20 14 06 10
 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 3171
 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 (ATIPP) 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: _____