

Well ID: **204140326**

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: **#4** Optional (i.e. City Well No. 2)

A2 Drilled For: [REDACTED]

Company / Department / Organization

**Takhini Hot Spring 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 **83** Zone

Easting  Northing

A6 Elevation of Top of Casing:  m / ft ASL

A7 Accuracy of GPS:  +/- m / ft

### A8 Purpose of Wells

- |  |                                       |  |  |
|--|---------------------------------------|--|--|
| <input checked="" type="checkbox"/> Domestic | <input type="checkbox"/> Test Well    | <input type="checkbox"/> Irrigation                | <input type="checkbox"/> Environmental (Quality)     |
| <input type="checkbox"/> Commercial          | <input type="checkbox"/> Municipal    | <input type="checkbox"/> Observation - Water Level | <input type="checkbox"/> Other (please identify use) |
| <input type="checkbox"/> Industrial          | <input type="checkbox"/> Agricultural | <input type="checkbox"/> Public/Recreational       | <input type="text"/>                                 |

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

EXAMPLE ONLY		(brown, grey, green, black, reddish, beige, olive, yellowish)	CLAY, SILT, SAND, GRAVEL, COBBLES, BOULDERS, BEDROCK	"trace" <10% (i.e. SILT trace gravel) "some" 10-20% (i.e. SAND some gravel) "silty / sandy / gravelly" 20-30% (i.e. silty SAND) "and sand" or "and gravel" 35-50%	MOISTURE: dry / moist / saturated (wet) HARDNESS: soft / hard / very hard	
		brown	SAND	trace gravel	some silt	soft and saturated
Depth (m / ft)		B4 General Colour	B5 Most Common Material	B6 Secondary Materials		B7 General Description
B2 From	B3 To					
0	47	brown	clay	-	-	soft
47	55	grey	gravel	-	-	soft
55	59	grey	Fine Sand	some clay	-	soft
59	63	grey	gravel	some clay	-	soft
63	85	Red grey	gravel / Hard Bedrock	-	-	hard saturated
85	122	Red Red grey	Bedrock	-	-	hard saturated

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

### WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed **20140730**  
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 **6.5** (cm / in)

C4 Casing Material  Steel  Plastic  Other

C5 Casing Wall Thickness **1/4** (cm / in)

C6 Casing Depth to: **85** (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: 10 (m/ft)
C11 Seal Depth to: 8 (m/ft)
C12 Volume Placed: 4 bags (m³/ft³)

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

C13 Gravel Pack: NO
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: N/A
C15 Screen Material: N/A
C16 Screen Type: Open Hole
C17 Depth from: (m/ft)
C18 Depth to: (m/ft)
Slot Size / Perforation Dia: (Thou./mm/inches)
C19 Screen Comments:

WELL DEVELOPMENT AND STATUS

D1 Well Developed by: Air Jetting / Air Lifting
D2 Well Head Completion: Well Pit (NOT PERMITTED)
D3 Well Head Stick-up: 2 (m/ft)
D4 Static Water Level: (m/ft)
D5 Well Yield Estimate: 1/2 (Lps/gpm)
D6 Final Well Status: Observation
D7 Well Abandonment Status: YES
D8 Method Used to Estimate Well Yield: Air Lifting

PUMPING TEST RECORD AND GROUNDWATER QUALITY

E1 Pumping Test Information

Pumping Test Start Date:
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)

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

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 (SWL) and 0 (FWL) at various time intervals.

G1 GROUNDWATER QUALITY

Field Data
Date Measurements Taken:
Electrical Conductivity: (µS)
pH:
Temperature: (°C)

Turbidity/Sand Content
Clear
Slightly turbid/cloudy
Moderately turbid/cloudy
Turbid/cloudy
Trace sand present
No sand present

Groundwater Type

Salty
Sulphur / Egg Odour
Organic Taste / Odour
Metallic Taste
Other:

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

Bacteria Testing

Was a sample taken? YES NO
Date Sample Taken:
If yes, indicate the name of the laboratory.

Chemical Analysis of Water

Was a sample taken? YES NO
Date Sample Taken:
If yes, indicate the name of the laboratory.

Clear Form Print Form

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: Pathway Water
H2 Name of Driller(s):
H3 Address of Driller:
Date Submitted to Dept. Of Environment: 20140730

CONSULTANT (if applicable)

I 1 Company Name:
I 2 Company Address:
I 3 Report Reference:
I 4 Report Date:

ADDITIONAL INSTRUCTIONS

Upon completing this form, please mail or fax it to:
Water Resources Section (V-310), Department of Environment, Government of Yukon Bx 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 (ATIPPA) 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