

WATER WELL DRILLERS FORM

Well ID: 204140325
To be assigned by Dept. Of Environment

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: 3 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 8 3 Zone 8N

480 446

Easting

6749008

Northing

A6 Elevation of Top of Casing: 300m m / ft ASL

A7 Accuracy of GPS: ±100 - 300m +/- 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

(brown, grey, green, black, redish, 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

Depth (m / ft)		brown	SAND	trace gravel	some silt	soft and saturated
B2 From	B3 To	B4 General Colour	B5 Most Common Material	B6 Secondary Materials		B7 General Description
0	57	brown	clay	-	-	soft
57	68	brown	sand	-	-	soft
68	75	grey	gravel	some clay	-	soft
75	79	grey brown	sand	some clay	-	soft
79	88	grey	sand	-	-	soft
88	126	grey/brown	gravel	some sand	-	hard wet
126	128	green/grey/brown	bedrock	-	-	saturated hard
128	146	ii	bedrock	-	-	hard dry
146	157	red, brown, green	bedrock	-	-	hard wet
157	265	ii	bedrock	-	-	hard with saturated
265	305	red, brown, brown grey	bedrock	-	-	hard saturated
305	322	red, grey, brown	bedrock	-	-	very hard saturated

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

WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed 20140721
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 2.5 (cm / in)
 C6 Casing Depth to: 128 (m / ft)

C7 Other Comments Regarding Casing:

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: 18 (m/ft)
C11 Seal Depth to: 8 (m/ft)
C12 Volume Placed: 4 bags (m^2/ft^2)

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

C13 Gravel Pack: N/A
If yes, indicated depth (m/ft):
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: N/A (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: C18 Depth to: Slot Size / Perforation Dia:
Screen 1, 2, 3
C19 Screen Comments:

WELL DEVELOPMENT AND STATUS

D1 Well Developed by: Surge Block, Water Jetting, Air Jetting / Air Lifting, Bailing, Pumping
D2 Well Head Completion: Well House, Pitless Adaptor, Well Pit (NOT PERMITTED), None
D3 Well Head Stick-up: 2 (m/ft)
D4 Static Water Level: (m/ft)
D5 Well Yield Estimate: 12 (Lps / gpm)
D7 Well Abandonment Status: Was the well properly decommissioned with bentonite grout? YES NO
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:
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 Drawdown and Recovery at 0, 1, 2, 3, 4, 5, 10, 15, 20, 25, 30, 40, 50, 60 minutes.

G1 GROUNDWATER QUALITY

Field Data: Date Measurements Taken:
Electrical Conductivity: uS
pH:
Temperature: C
Groundwater Type: Salty, Sulphur / Egg Odour, Organic Taste / Odour, Metallic Taste, Other:

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.

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

CONSULTANT (If applicable)

I1 Company Name:
I2 Company Address:
I3 Report Reference:
I4 Report Date:

ADDITIONAL INSTRUCTIONS

Upon completing this form, please mail or fax it to:

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

Water Resources Section (V-310), Department of Environment, Government of Yukon Box 2703, Whitehorse, Yukon, Canada Y1A 2C6

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.

I have read the above clause and understand the purpose for collection of personal information.

Signature of Well Owner