

WATER WELL DRILLERS FORM

Well ID: **204140319**
To be assigned by Dept. Of Environment

Metric Imperial

105014

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: Optional (i.e. City Well No. 2)

A2 Drilled For: Company / Department / Organization

A3 Street Address of Well Location: **Mile 4.5 Mayo Rd**

A4 Town / Village / Area / Lot #: **Lot 1102-4**

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

Easting: **489 280** Northing: **6747 973**
30-100m

A6 Elevation of Top of Casing: m / ft ASL

A7 Accuracy of GPS: +/- m / ft

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

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 (well) HARDNESS: soft / hard / very hard

| Depth (m/ft) | | B4 General Colour | B5 Most Common Material | B6 Secondary Materials | B7 General Description |
|--------------|-------|-------------------|-------------------------|------------------------|------------------------|
| B2 From | B3 To | | | | |
| 0 | 32 | brown | SAND | and clay | dry soft. |
| 32 | 118 | grey | SAND | and clay | dry soft. |
| 118 | 139 | grey | Gravel | and clay | dry soft. |
| 139 | 148 | grey | Gravel | Gravel | dry soft. |
| 148 | 241 | Black | Bedrock | - | dry very hard |
| 241 | 265 | Black | Bedrock | - | dry very hard |
| 265 | 285 | grey | Bedrock | - | dry very hard |
| 285 | 400 | Black | Bedrock | - | dry very hard |

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

WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed: **20140703**
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: **6.05** (cm / in)
 C4 Casing Material: Steel Plastic Other
 C5 Casing Wall Thickness: **0.25** (cm / in)
 C6 Casing Depth to: **148** (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: 15 (m/ft)
C11 Seal Depth to: 8 (m/ft)
C12 Volume Placed: 80 kg (m³/ft³) 4 bags

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

C13 Gravel Pack: NO
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
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, 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
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 Water Res.
H2 Name of Driller(s)
H3 Address
Date Submitted to Dept. Of Environment: 2015 04 21

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 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