

Well ID:

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

A2 Drilled For:

First Name Last Name

Company / Department / Organization

A3 Street Address of Well Location: Tabini River Rd Mile 1

A4 Town / Village / Area / Lot #: lot 1219-2

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

Easting Northing

A6 Elevation of Top of Casing: 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

Sketch of Well Location

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

105 D14
8V
479355
6748831
+300-1000

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 / R) | B4 General Colour | B5 Most Common Material | B6 Secondary Materials | B7 General Description |
|---------------|-------------------|-------------------------|-------------------------|------------------------|
| 0 - 216 | grey/brown | Silt | and Clay | Soft dry |
| 216 - 229 | grey | fine sand | and silt | moist |
| 229 - 234 | grey | fine silt | and Clay | moist |
| 234 - 241 | grey | CLAY | - | - |
| 241 - 252 | grey | low SAND | and Multiple clay seams | moist/silt |
| 252 - 259 | grey | CLAY | - | hard clay |
| 259 - 262 | grey | SAND | and Silt | moist |
| 262 - 272 | grey | CLAY | and silt | moist |
| 272 - 286 | grey | SAND | - | saturated |
| 286 - 320 | | CLAY | - | - |
| 320 - 349 | | SAND | and Silt | saturated |
| 349 - 442 | | CLAY | and SILT | moist |

Suspended screens Area →

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

WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed 2014 09 20
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 1/2 (cm / in)

C4 Casing Material Steel Plastic Other
 C5 Casing Wall Thickness 0.219 (cm / in)

C6 Casing Depth to: 442 (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 ft (m/ft)
C11 Seal Depth to: (m/ft)
C12 Volume Placed: 4 bags @ 20kg

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: 5 (cm/in)
C15 Screen Material: Stainless Steel
C16 Screen Type: Continuous Wire Wrap
C17 Depth from: 273-3 (m/ft)
C18 Depth to: 285-0 (m/ft)
Slot Size / Perforation Dia: 8 Thou. / mm / inches
C19 Screen Comments: 2 screens - overall length including gaskets 9'-0" casing cut @ 28 1/2' c/w 6 feet -

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 (NOT PERMITTED), None
D3 Well Head Stick-up: 2.0 (m/ft)
D4 Static Water Level: (62m) (below top of casing)
D5 Well Yield Estimate: 1.5 (Lps / gpm)
D6 Final Well Status: Water Supply (in use), Stand by (Back-up), Observation, Not in use, Deepened, Other:
D7 Well Abandonment Status: Was the well properly decommissioned with bentonite grout? YES
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 0 (SWL), 1, 2, 3, 4, 5, 10, 15, 20, 25, 30, 40, 50, 60.

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:
Chemical Analysis of Water: Was a sample taken? YES NO
Date Sample Taken:

Clear Form Print Form

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: CATWAY WATER
H2 Name of Driller(s): Grant Booth
H3 Address of Driller: 1016 Copeland Whitehorse Pt
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 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 (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