

WATER RESOURCES BRANCH  
**WATER WELL DRILLERS FORM**

Well ID:

To be assigned by Dept. Of Environment

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: College #1 Optional (i.e. City Well No. 2)

A2 Drilled For: First Name Yukon College Last Name  Company / Department / Organization

A3 Street Address of Well Location:

A4 Town / Village / Area / Lot #:

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.

**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	12	blown	Gravel	Sand	Med-Fine
12	16	blown	Sand	Gravel	Med-Fine
16	54	blown	Gravel	Sand	Coarse Gravel
54	58	blown	Sand	Gravel	
58	67	blown	Gravel	Sand	Coarse Sand
67	97	blown	Gravel	Sand	Very hard wet 136
97	155	Coast	Gravel	Sand	Coarse Loose Gravel
155	165	blown	Gravel	Sand	Med-Fine Sand
165	178	blown	Gravel	Little Sand	Loose Conductive Gravel

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

**WELL CONSTRUCTION** (Continues on Page 2)

Date Well Completed 2017 10 26  
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: 168 (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: 2 (cm/in)
C10 Seal Depth from: 20 (m/ft)
C11 Seal Depth to: 0 (m/ft)
C12 Volume Placed: 90 (m³/ft³) 60 gallons

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

C13 Gravel Pack: [X] 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: 5.8 (cm/in)
C15 Screen Material: [X] Stainless Steel
C16 Screen Type: [X] Continuous Wire Wrap
C17 Depth from: 172 (m/ft)
C18 Depth to: 168 (m/ft)
Slot Size / Perforation Dia: 100 Thou. / mm / inches

WELL DEVELOPMENT AND STATUS

D1 Well Developed by: [X] Air Jetting / Air Lifting
D2 Well Head Completion: [X] Well House
D3 Well Head Stick-up: 30 (m/ft)
D4 Static Water Level: 133 (m/ft)
D5 Well Yield Estimate: 200 (Lps/gpm)
D6 Final Well Status: [X] Observation
D7 Well Abandonment Status: YES
D8 Method Used to Estimate Well Yield: [X] 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 columns: Time (min), Water Level (m/ft), Recovery Time (min), Water Level (m/ft). Rows include 0 (SWL), 1, 2, 3, 4, 5, 10, 15, 20, 25, 30, 40, 50, 60.

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

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: Midnight Sun Drilling
H2 Name of Driller(s): Carl Mackenzie
H3 Address of Driller: 806 Black St. Whitehorse
Signature of Primary Driller

CONSULTANT (If applicable)

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

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.

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

