

Well ID: [Redacted]  
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: [Redacted] Optional (i.e. City Well No. 2)

A2 Drilled For: [Redacted]

Company / Department / Organization

A3 Street Address of Well Location: Spruce Hill

A4 Town / Village / Area / Lot #: 29 Engelman Drive

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

[Redacted] Easting [Redacted] Northing

A6 Elevation of Top of Casing: [Redacted] m / ft ASL

A7 Accuracy of GPS: [Redacted] +/- 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 D10  
80 50402  
6719142  
+100-300

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

EXAMPLE ONLY	Depth (m / ft) B2 From    B3 To	B4 General Colour <small>(brown, grey, green, black, redish, beige, olive, yellowish)</small>	B5 Most Common Material <small>CLAY, SILT, SAND, GRAVEL, COBBLES, BOULDERS, BEDROCK</small>	B6 Secondary Materials <small>trace &lt;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%</small>	B7 General Description <small>MOISTURE: dry / moist / saturated (wet) HARDNESS: soft / hard / very hard</small>
	0    13	brown	Boulders GRAVEL	+ SAND	
	13    39	brown	Sand		
	39    134	grey	CLAY		
	134    139.5	grey	Sand	2 Sand	Moist saturated
	139.5    140	11	Bedrock		Dry

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

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

Date Well Completed 2015 09 29  
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 6.75 (cm / in)  
 C4 Casing Material  Steel     Plastic     Other  
 C5 Casing Wall Thickness 0.219 (cm / in)  
 C6 Casing Depth to: 140 (m / ft)

C7 Other Comments Regarding Casing:  
42" exposure  
20" departure cut

Surface / Environmental Seal (depth below ground surface, please circle appropriate units)

C8 Seal Material Type: STAINITE (i.e. Bentonite)
C9 Diameter of Seal: 70 (cm/in)
C10 Seal Depth from: (m/ft)
C11 Seal Depth to: (m/ft)
C12 Volume Placed: 200 (m³) lbs

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: 4.5 (cm/in)
C15 Screen Material: Stainless Steel
C16 Screen Type: Perforated
C17 Depth from: (m/ft)
C18 Depth to: 190 (m/ft)
Slot Size / Perforation Dia: 20 Thou. / mm / inches

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: 211 (m/ft)
D4 Static Water Level: 65 (m/ft)
D5 Well Yield Estimate: 56 (Lps / gpm)
D6 Final Well Status: Water Supply, Stand by, Observation, Not in use, Deepened, Abandoned, Dry, Poor Quality, Insufficient Yield, Artesian conditions
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:
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)

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), 0 (FWL), 1, 2, 3, 4, 5, 10, 15, 20, 25, 30, 40, 50, 60.

G1 GROUNDWATER QUALITY

Field Data

Date Measurements Taken:
Y Y Y Y M M D D

Electrical Conductivity: uS
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 If yes, indicate the name of the laboratory.

Date Sample Taken:
Y Y Y Y M M D D

Chemical Analysis of Water

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

Date Sample Taken:
Y Y Y Y M M D D

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: CATHWAY WATER
H2 Name of Driller(s): GRANT BOOTH
H3 Address of Driller: Whitehorse, YT
Signature of Primary Driller
Date Submitted to Dept. Of Environment

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:

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/PA) 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