

W-5

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.

105 D10  
8V  
503573  
6717546  
± 100-300m

**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:

A4 Town / Village / Area / Lot #:

A5 UTM Coordinates (using handheld GPS): NAD   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)	B2 From	B3 To	B4 General Colour	B5 Most Common Material	B6 Secondary Materials	B7 General Description
0	55	74	brown	brown clay	and sand	dry
55	74	140	brown	clay	and gravel	dry
74	140	147	grey	clay	and brown	dry
140	147		grey	clay	sand trace	dry / saturated
			* Bedrock @ 147			

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

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

Date Well Completed   
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  (cm / in)  
 C4 Casing Material  Steel  Plastic  Other   
 C5 Casing Well Thickness  (cm / in)  
 C6 Casing Depth to:  (m / ft)

**C7 Other Comments Regarding Casing:**

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

C8 Seal Material Type: Bentonite (L.S. Bentonite)
C9 Diameter of Seal: 10 (cm/in)
C10 Seal Depth from: 10 (m/ft)
C11 Seal Depth to: 10 (m/ft)
C12 Volume Placed: 4 bags

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

C13 Gravel Pack: YES
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: Slotted
C17 Depth from: 147 (m/ft)
C18 Depth to: 40 (m/ft)
Slot Size / Perforation Dia: 40 Thou. / mm / inches
C19 Screen Comments: Bottom of screen @ 147 42" exposure

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: 19" above
D4 Static Water Level: 25 (m/ft)
D5 Well Yield Estimate: 10.5 (Lps / gpm)
D6 Final Well Status: Water Supply (In use), Stand by (Back-up), Observation
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):
Pump Intake Set at:
Duration of pumping:
Final Water Level (FWL) at end of Pumping Test:

RECOMMENDATIONS

Recomm. Pump Depth:
Recomm. Pumping Rate:
If flowing, provide rate:

F1 Well Water Level Drawdown/Recovery DATA

Table with 4 columns: Time (min), Water Level (m/L), Time (min), Water Level (m/L). 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:
pH:
Temperature:
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: Cathway Water
H2 Name of Driller(s): Grant Booth
H3 Address of Driller: Whitehorse, YT
Signature of Primary Driller

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:
Water Resources Section (V-310), Department of Environment, Government of Yukon Box 2703, Whitehorse, Yukon, Canada Y1A 2C8
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/PA) 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