

4273 334-1150

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: 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.

105D08
08V
540438
6701248
± 100-300m

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

EXAMPLE ONLY	EXAMPLE ONLY →		CLAY, SILT, SAND, GRAVEL, COBBLES, BOULDERS, BEDROCK		MOISTURE: dry / moist / saturated (wet)	
	(brown, gray, green, black, reddish, beige, olive, yellowish)	(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%	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	17	17	brown	SAND	trace gravel	Dry
17	58	58	brown	SAND	-	Dry
58	72	72	brown	SAND	trace clay/gravel	Dry
72	-	-	grey	SAND COURSE	-	Moist
77	89	89	grey	SAND "	-	Very Moist
89	107	107	grey	SAND "	-	Saturated
207	116	116	grey	GRAVEL	some SAND	Saturated

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

WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed Example: 2005.01.31
Y Y Y - Y M M D D

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 Wall 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: 15 (m/ft)
C12 Volume Placed: 150 lbs

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

C13 Gravel Pack: YES
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:
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: 175-6 (m/ft)
Slot Size / Perforation Dia: 50 Thou./mm/inches
C19 Screen Comments: casing pullback exposure 40"

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, Pileless Adaptor, Well Pit (NOT PERMITTED), None
D3 Well Head Stick-up: 1.83 (m/ft)
D4 Static Water Level: 1.88 (m/ft)
D5 Well Yield Estimate: 35+ (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:
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 (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

Clear Form Print Form

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: CATHWAY WATER
H2 Name of Driller(s):
H3 Address of Driller:
Date Submitted to Dept. Of Environment: Y Y Y Y M M D D

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

Please feel free to contact us at: Phone: (867) 667-3171, Toll free (in Yukon): (1-800) 861-0408, local 3171 Fax: (867) 667-3185 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 (ATIPPA) 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 1-800-861-0408 Ext 3223.

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