

WATER WELL DRILLERS FORM

Well ID:

To be assigned by Dept. Of Environment

Metric Imperial

INSTRUCTIONS FOR COMPLETING THE FORM

1. Additional information is provided at the bottom of this form on page 2.
2. Question can be directed to Water Resources at 867 667-3171.
3. All well construction measurements shall be reported to 0.1 m or 0.3 ft.
4. Please print clearly in blue or black ink.
5. Completion and submission of this form is the responsibility of the drilling contractor.
6. 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:

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

Sketch of Well Location

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

A8 Purpose of Wells

- Domestic Test Well Irrigation Environmental (Quality)
 Commercial Municipal Observation - Water Level Other (please identify use)
 Industrial Agricultural Public/Recreational

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
		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	2	Brown	Peat	Silt.	Soft
2	4	Brown	Silt		Dense
4	80	Cohes	Silt.	Clay	Dense
80	105	Cohes	Till	Cobbles - Gravel	Hard
105	108	Clay	Ice		Soft
108	160	Grey	Till	Gravel	Hard
160	175	Cohes.	Gravel.	Ice, Sand	Hard
175	180	Cohes	Cohesul.	Sand.	High Production
180	189	Cohes.	Sand.	Cohesul	High Production
189	190	Gravel	Till.	Gravel.	Very Hard

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 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: Concrete (i.e. Bentonite)
C9 Diameter of Seal: 2" (cm/in)
C10 Seal Depth from: 0 20 (m/ft)
C11 Seal Depth to: (m/ft)
C12 Volume Placed: 18 bags (m³/ft³)

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

C13 Gravel Pack: NO (checked) 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: 5.5 (cm/in)
C15 Screen Material: Stainless Steel (checked)
C16 Screen Type: Continuous Wire Wrap (checked)
C17 Depth from: 185 (m/ft)
C18 Depth to: 189 (m/ft)
Slot Size / Perforation Dia: 25 Thou. / mm / inches

WELL DEVELOPMENT AND STATUS

D1 Well Developed by: Air Jetting / Air Lifting (checked)
D2 Well Head Completion: Well House (checked)
D3 Well Head Stick-up: 33 (m/ft)
D4 Static Water Level: 6 (m/ft)
D5 Well Yield Estimate: 40 (Lps/gpm)
D6 Final Well Status: Not in use (checked)
D7 Well Abandonment Status: Was the well properly decommissioned with bentonite grout? NO
D8 Method Used to Estimate Well Yield: Pumping Test (checked)

PUMPING TEST RECORD AND GROUNDWATER QUALITY

(All depths below ground, circle appropriate units)

E1 Pumping Test Information

Pumping Test Start Date: 20151627 (YYMMDD)

Static Water Level (SWL): (m/ft)

Pump Intake Set at: 166 (m/ft)

Duration of pumping: 34 hrs min

Final Water Level (FWL) at end of Pumping Test: (m/ft)

G1 GROUNDWATER QUALITY

Field Data

Date Measurements Taken: (YYMMDD)
Electrical Conductivity: uS
pH:
Temperature: °C

Groundwater Type

Salty
Sulphur / Egg Odour
Organic Taste / Odour
Metallic Taste
Other:

RECOMMENDATIONS

Recomm. Pump Depth: 160 (m/ft)
Recomm. Pumping Rate: 40 (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 (checked)

Well Disinfection

Was the well disinfected upon completion of the pump installation? YES (checked) NO
Briefly describe method of well disinfection: 600 Gal - 200 PPM Chlorine water

F1 Well Water Level Drawdown/Recovery DATA

Table with 4 columns: Time (min), Water Level (m/ft) Drawdown, Time (min), Water Level (m/ft) Recovery. Rows from 0 to 60 minutes.

Bacteria Testing

Was a sample taken? YES NO
Date Sample Taken: (YYMMDD)

Chemical Analysis of Water

Was a sample taken? YES NO
Date Sample Taken: (YYMMDD)

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: Midnight Sun Drilling
H2 Name of Driller(s):
H3 Address of Driller:
Date Submitted to Dept. Of Environment: (YYMMDD)

CONSULTANT (if applicable)

I 1 Company Name:
I 2 Company Address:
I 3 Report Reference:
I 4 Report Date: (YYMMDD)

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 collected under the authority of the Access to Information and Protection of Privacy (AT/IPP) 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