

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: First Name 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, 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
Depth (m / ft)		brown	SAND	trace gravel some silt	soft and saturated
B2 From	B3 To	B4 General Colour	B5 Most Common Material	B6 Secondary Materials	B7 General Description
0	4	Brown	Gravel	Sand	Gravel fill
4	8	Brown	Clay	Silt	Silt & clay
8	14	Brown	Sand		Coarse Sand
14	16	Brown	Clay	Silt	Silt & Clay
16	42	Brown	Sand	Gravel	Sand & Gravel
42	50	Black	Gravel	Silt & Clay	Till
50	55	Brown	Gravel	Sand	Sand & Gravel

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

WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed: 20180313
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: 6.38 (cm) (in)
 C4 Casing Material: Steel Plastic Other
 C5 Casing Wall Thickness: 3.50 (cm) (in)
 C6 Casing Depth to: 51 (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: 10 x 6 3/8 (cm)
 C10 Seal Depth from: 0-20 (m)
 C11 Seal Depth to: 20 (m/ft)
 C12 Volume Placed: 7.66 (m³/ft³)

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

C13 Gravel Pack: NO If yes, indicated depth (m / ft):
 YES 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 (cm): 5.6
 C15 Screen Material: Stainless Steel Steel Plastic N/A Other: _____
 Continuous Wire Wrap Louver Screen Perforated Slotted Open Hole
 C16 Screen Type: _____
 C17 Depth from: 55 (m / ft)
 C18 Depth to: 51 (m / ft)
 Slot Size / Perforation Dia: 0.20 Thou. / mm (inches)
 Screen 1: _____ (m / ft) _____ (m / ft) _____ (m / ft) _____ (m / ft)
 Screen 2: _____ (m / ft) _____ (m / ft) _____ (m / ft) _____ (m / ft)
 Screen 3: _____ (m / ft) _____ (m / ft) _____ (m / ft) _____ (m / ft)
 C19 Screen Comments: _____

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 (Depth of adaptor: _____ (m / ft)) Well Pit (NOT PERMITTED) None (well not completed)
 D3 Well Head Stick-up (above ground surface): 3 (m) (Use negative if below grade)
 D4 Static Water Level (below top of casing): 34 (m/ft) (Use negative if below grade)
 D5 Well Yield Estimate: 285-30 (Lps / gpm)
 D6 Final Well Status: Water Supply (In use) Stand by (Back-up) Observation Not in use Deepened Other: _____ Abandoned (if well was abandoned, please give reason: _____) Dry Poor Quality Insufficient Yield Artesian conditions
 D7 Well Abandonment Status: Was the well properly decommissioned with bentonite grout? YES NO If YES, Indicate Date: _____
 D8 Method Used to Estimate Well Yield: Air Lifting Bailing Pumping Test (if test conducted, complete Pumping Test Record)

PUMPING TEST RECORD AND GROUNDWATER QUALITY

(All depths below ground, circle appropriate units)

E1 Pumping Test Information

Pumping Test Start Date: _____
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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

Drawdown		Recovery	
Time (min)	Water Level (m / ft)	Time (min)	Water Level (m / ft)
0 (SWL)		0 (FWL)	
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Bacteria Testing

Was a sample taken? YES NO If yes, indicate the name of the laboratory.
 Date Sample Taken: _____

Chemical Analysis of Water

Was a sample taken? YES NO If yes, indicate the name of the laboratory.
 Date Sample Taken: _____

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: Midnight Sun Dr.

H2 Name of Driller(s): Carl Mackenzie

H3 Address of Driller: 806 Black St

Signature of Primary Driller: _____
 Date Submitted to Dept. Of Environment: _____
 Y Y Y Y M M D D

CONSULTANT (If applicable)

1 Company Name: _____
 2 Company Address: _____
 3 Report Reference: _____
 4 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) 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: _____