

YTG Y146

**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)

First Name \_\_\_\_\_ Last Name \_\_\_\_\_ Company / Department / Organization \_\_\_\_\_

A2 Drilled For: XXXXXXXXXX

A3 Street Address of Well Location: TAKHINI RIVER ROAD

**Sketch of Well Location**

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

A4 Town / Village / Area / Lot #: 1326 (KM 9.2)

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**

- |                                     |                                       |  |   |
|-------------------------------------|---------------------------------------|--|---|
| <input type="checkbox"/> Domestic   | <input type="checkbox"/> Test Well    | <input type="checkbox"/> Irrigation                | <input type="checkbox"/> Environmental (Quality)  |
| <input type="checkbox"/> Commercial | <input type="checkbox"/> Municipal    | <input type="checkbox"/> Observation - Water Level | <input type="checkbox"/> Other (please identify use)  |
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Agricultural | <input type="checkbox"/> Public/Recreational       | <span style="border: 1px solid black; display: inline-block; width: 100px; height: 20px;"></span> |

**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)		B4 General Colour	B5 Most Common Material	B6 Secondary Materials	B7 General Description
B2 From	B3 To			trace gravel   some silt	soft and saturated
<u>0</u>	<u>10</u>	<u>Brown</u>	<u>Sand</u>		
<u>10</u>	<u>240</u>	<u>grey</u>	<u>Clay</u>		
<u>240</u>	<u>300</u>	<u>grey</u>	<u>Clay</u>	<u>Sand</u>	
<u>300</u>	<u>320</u>	<u>Brown</u>	<u>Sand</u>		<u>Water</u>

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

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

Date Well Completed 20170519  
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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 (cm/in)  (cm)  (in)  
C4 Casing Material:  Steel  Plastic  Other   
C5 Casing Wall Thickness: .219 (cm/in)  
C6 Casing Depth to: 720 (m)

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 (cm)  
 C10 Seal Depth from: 0 (m)  
 C11 Seal Depth to: 15 (m)  
 C12 Volume Placed: \_\_\_\_\_ (m<sup>3</sup> / ft<sup>3</sup>)

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: 6 (cm)  
 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: \_\_\_\_\_ (m) C18 Depth to: \_\_\_\_\_ (m)  
 Slot Size / Perforation Dia: \_\_\_\_\_ (mm / inches)  
 Screen 1: 710 (m) 715 (m) 10 (mm) / inches  
 Screen 2: 315.5 (m) 320 (m) 10 (mm) / inches  
 Screen 3: \_\_\_\_\_ (m / ft) \_\_\_\_\_ (m / ft) \_\_\_\_\_ (mm / inches)  
 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): 2 (m)  
 D4 Static Water Level (below top of casing): 130 (m)  
 D5 Well Yield Estimate: 9 (Lps / gpm)  
 D6 Final Well Status:  Water Supply (in use)  Stand by (Back-up)  Observation  Not in use  Deepened  Other: \_\_\_\_\_  Abandoned  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: \_\_\_\_\_  
 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: \_\_\_\_\_  
 H2 Name of Driller(s): \_\_\_\_\_  
 H3 Address of Driller: 101B Sapper Rd.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Y Y Y Y M M D D  
 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:  
 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) 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) 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: