

## 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

YTG

A3 Street Address of Well Location:

A4 Town / Village / Area / Lot #:

A5 UTM Coordinates (using handheld GPS): NAD  |  Zone

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	15	GREY	TILL		
	15	43	GREY	TILL	PERMAFROST	TO 25 FT
	43	56	GREEN	SANDS	COARSE GRAVEL	
	56	73	BRN	TILL		
	73	248	WHITE	BEDROCK		

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

### WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed:  2012 10 23  
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 (cm / in)  
 C4 Casing Material:  Steel  Plastic  Other  
 C5 Casing Wall Thickness:  2.59 (cm / in)  
 C6 Casing Depth to:  55 (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: 4 (cm/in)
C10 Seal Depth from: 0 (m/ft)
C11 Seal Depth to: 30 (m/ft)
C12 Volume Placed: (m³/ft³)

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

C13 Gravel Pack: [X] NO 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: 3 (cm/in)
C15 Screen Material: [X] Stainless Steel
C16 Screen Type: [X] Continuous Wire Wrap
C17 Depth from: 57 (m/ft)
C18 Depth to: 35 (m/ft)
Slot Size / Perforation Dia: 100 (Thou./mm/inches)

WELL DEVELOPMENT AND STATUS

D1 Well Developed by: [X] Air Jetting / Air Lifting
D2 Well Head Completion: [X] Well Pit (NOT PERMITTED)
D3 Well Head Stick-up: 2 (m/ft)
D4 Static Water Level: 15 (m/ft)
D5 Well Yield Estimate: 20 (Lps/gpm)
D7 Well Abandonment Status: NO
D8 Method Used to Estimate Well Yield: [X] Air Lifting

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

Clear Form

Print Form

WELL CONTRACTOR

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

CONSULTANT (if applicable)

I1 Company Name: FBA ENG, CONSULTANTS
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 2C8

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 (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 1-800-661-0408 Ext 3223.

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

Signature of Well Owner