

## 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  07  
 607986 Easting  6803706 Northing

A6 Elevation of Top of Casing:  2601 m / ft ASL

A7 Accuracy of GPS:  20 ft +/- 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



### 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	3	Brown	Silt		Dense Fine
3	3.5	Coar	Till	Coar.	Hard Frozen
3.5	11.5	Coar	Till	Cobbles - boulders	Hard Frozen
11.5	160	Coar	Till	Coar.	Hard Frozen
160	176	Coar/Brown	Coar	Sand	Hard Frozen
176	178	Brown	Coar	Sand	Loose - water
178	180	Coar	Sand fine	Some Coar.	Loose - water
180	188	Coar	Sand Mid-fine	Some Coar.	Loose - water
188	190	Coar	Coar.	Sand	Loose - water
190	190	Brown	Till	Coar.	Kebr Hand

B8 Permafrost Encountered:  NO  YES If yes, indicated depth (m / ft): from:  2 to:  176

### WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed  20151019  
 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  106 (cm / in)  
 C4 Casing Material  Steel  Plastic  Other   
 C5 Casing Wall Thickness  2.50 (cm / in)  
 C6 Casing Depth to:  190 (m / ft)  
 C7 Other Comments Regarding Casing:

Surface / Environmental Seal (depth below ground surface, please circle appropriate units)

C8 Seal Material Type: Cement (i.e. Bentonite)
C9 Diameter of Seal: 2" (cm)
C10 Seal Depth from: 20-0 (m / ft)
C11 Seal Depth to: 0 (m / ft)
C12 Volume Placed: (m³ / ft³)

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

C13 Gravel Pack: 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: 6" (cm / in)
C15 Screen Material: Stainless Steel
C16 Screen Type: Continuous Wire Wrap
C17 Depth from: 188.5 (m / ft)
C18 Depth to: 184 (m / ft)
Slot Size / Perforation Dia: 0.025 Thou. / mm / inches

WELL DEVELOPMENT AND STATUS

D1 Well Developed by: Air Jetting / Air Lifting
D2 Well Head Completion: Well Pit (NOT PERMITTED)
D3 Well Head Stick-up: (above ground surface)
D4 Static Water Level: (below top of casing)
D5 Well Yield Estimate: (Lps / gpm)
D6 Final Well Status: Observation
D7 Well Abandonment Status: Was the well properly decommissioned with bentonite grout? YES
D8 Method Used to Estimate Well Yield: Pumping Test

PUMPING TEST RECORD AND GROUNDWATER QUALITY

(All depths below ground, circle appropriate units)

E1 Pumping Test Information

Pumping Test Start Date: 20151022
Y Y Y Y M M D D

Static Water Level (SWL): 5 (m / ft)

Pump Intake Set at: 166 (m / ft)

Duration of pumping: 24 hrs

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

RECOMMENDATIONS

Recomm. Pump Depth: 160 (m / ft)
Recomm. Pumping Rate: 40 (Lps / gpm)
If flowing, provide rate: (Lps / gpm)

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), 0 (FWL), 1, 2, 3, 4, 5, 10, 15, 20, 25, 30, 40, 50, 60.

G1 GROUNDWATER QUALITY

Field Data: Date Measurements Taken:
Electrical Conductivity: uS
pH:
Temperature: °C

Turbidity/Sand Content: No sand present
Well Disinfection: Was the well disinfected upon completion of the pump installation? YES

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

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: Midnight Sun Drilling
H2 Name of Driller(s): Carl Mackenzie
H3 Address of Driller: Box 1515 Dawson City, YT, X0B 1G0
Signature of Primary Driller:
Date Submitted to Dept. Of Environment: Y Y Y Y M M D D

CONSULTANT (If applicable)

I1 Company Name: Tetra Tech.
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
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. I have read the above clause and understand the purpose for collection of personal information. Signature of Well Owner