

## 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:  2.0 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: C9 Diameter of Seal: C10 Seal Depth from: C11 Seal Depth to: C12 Volume Placed:

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

C13 Gravel Pack: NO YES 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: C15 Screen Material: C16 Screen Type: C17 Depth from: C18 Depth to: Slot Size / Perforation Dia: C19 Screen Comments:

WELL DEVELOPMENT AND STATUS

D1 Well Developed by: D2 Well Head Completion: D3 Well Head Stick-up: D4 Static Water Level: D5 Well Yield Estimate: D6 Final Well Status: D7 Well Abandonment Status: D8 Method Used to Estimate Well Yield:

PUMPING TEST RECORD AND GROUNDWATER QUALITY

(All depths below ground, circle appropriate units)

E1 Pumping Test Information

Pumping Test Start Date: 20151022

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:

RECOMMENDATIONS

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

F1 Well Water Level Drawdown/Recovery DATA

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

G1 GROUNDWATER QUALITY

Field Data: Date Measurements Taken: Electrical Conductivity: pH: Temperature:

Turbidity/Sand Content: Clear, Slightly turbid/cloudy, Moderately turbid/cloudy, Turbid/cloudy, Trace sand present, No sand present

Groundwater Type

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

Well Disinfection

Was the well disinfected upon completion of the pump installation? YES NO Briefly describe method of well disinfection: Infected 600 Gal. 200 ppm Chlorine

Bacteria Testing

Was a sample taken? YES NO Date Sample Taken:

Chemical Analysis of Water

Was a sample taken? YES NO Date Sample Taken:

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: Midmont Sun Drilling H2 Name of Driller(s): H3 Address of Driller: Box 1515 Dawson City Y.T. Y0B 1G0

CONSULTANT (If applicable)

I1 Company Name: Tetra Tech. I2 Company Address: I3 Report Reference: I4 Report Date:

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 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.

Signature of Well Owner