

Y279

## 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:

A3 Street Address of Well Location:

A4 Town / Village / Area / Lot #:

A5 UTM Coordinates (using handheld GPS): NAD   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.

115A16  
8V  
435381E  
6737681N  
±100-300

### LOG OF OVERBURDEN AND BEDROCK MATERIALS (All depths are below ground surface, circle appropriate units, use descriptors provided)

| EXAMPLE ONLY | Depth (m / ft) | B4 General Colour | B5 Most Common Material | B6 Secondary Materials |           | B7 General Description   |
|--------------|----------------|-------------------|-------------------------|------------------------|-----------|--------------------------|
|              |                |                   |                         | trace gravel           | some silt |                          |
|              | 0 - 5          | brown             | Sand                    | and silt               |           |                          |
|              | 5 - 18         | grey              | Sand clay               |                        |           |                          |
|              | 18 - 28        | grey              | Sand                    |                        |           |                          |
|              | 28 - 43        | grey              | Sand                    | and gravel             |           |                          |
|              | 43 - 43        | black & grey      | Bedrock                 |                        |           |                          |
|              | 43 - 248       | black grey white  | Bedrock                 |                        |           | saturated 245ft + beyond |

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

### WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed   
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

C3 Outside Diameter  (cm / in)  
 C4 Casing Material  Steel  Plastic  Other   
 C5 Casing Wall Thickness  (cm / in)  
 C6 Casing Depth to:  (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 (cm/in)
C10 Seal Depth from: 10.9 (m/R)
C11 Seal Depth to: 11 (m/ft)
C12 Volume Placed: (m^3/ft^3)

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

C13 Gravel Pack: YES
Indicated depth (m/ft): from: to:
Material type: (i.e. silica)

Well Screen Information (depth below ground surface, please circle appropriate units)

C14 Outside Diameter:
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: C18 Depth to: Slot Size / Perforation Dia:
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, Well Pit, None
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: 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, Indicate Date:
D8 Method Used to Estimate Well Yield: Air Lifting, Bailing, Pumping Test

PUMPING TEST RECORD AND GROUNDWATER QUALITY

(All depths below ground, circle appropriate units)

E1 Pumping Test Information

Pumping Test Start Date:
YYYYMMDD

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:
YYYYMMDD

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 columns: Time (min), Water Level (m/ft), Time (min), Water Level (m/ft). Rows for 0 (SWL) and 0 (FWL) at various time intervals.

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

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

Clear Form Print Form

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: GATHWAY WATER
H2 Name of Driller(s): Grant Rootb
H3 Address of Driller: Whitehorse, YT
Signature of Primary Driller:
Date Submitted to Dept. Of Environment: YYYYMMDD

CONSULTANT (if applicable)

I1 Company Name:
I2 Company Address:
I3 Report Reference:
I4 Report Date: YYYYMMDD

ADDITIONAL INSTRUCTIONS

Upon completing this form, please mail or fax it to:
Water Resources Section (V310), 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 (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