

W-16



Government  
Department of Environment  
Water Resources Section V-310  
Yukon Water Well Registry  
Box 2703 Whitehorse, Yukon Y1A 2C6

Well Record Page 1 of 2  
**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)

A2 Drilled For:

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.

**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 |
|----------------|-------|-------------------|-------------------------|------------------------|------------------------|
| B2 From        | B3 To |                   |                         |                        |                        |
| 0              | 20    | brown             | Sand                    | gravel                 |                        |
| 20             | 40    | "                 | "                       | "                      |                        |
| 40             | 60    | "                 | "                       | "                      |                        |
| 60             | 65    | "                 | "                       | "                      |                        |
| 65             | 90    | "                 | Sand                    | —                      |                        |
| 90             | 100   | grey              | Clay                    | —                      |                        |
| 100            | 120   | grey              | Clay                    | Sand                   |                        |
| 140            | 140   | brown/grey        | Sand                    | Clay                   |                        |
| 140            | 170   | brown/red         | Sand                    | gravel                 |                        |
| 170            | 190   | red / brown       | gravel                  |                        | water                  |

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

**Casing** (depth below ground surface, please circle appropriate units)

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: (i.e. Bentonite) C9 Diameter of Seal: 100 (cm) C10 Seal Depth from: 0-15 (m) C11 Seal Depth to: 15 (m) C12 Volume Placed: (m³/ft³)

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 (cm/in) 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: 198 (m/ft) C18 Depth to: 102 (m/ft) Slot Size / Perforation Dia: 15 (Thou./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, Well Pit, None D3 Well Head Stick-up (above ground surface): 2 (m) D4 Static Water Level (below top of casing): 100 (m) D5 Well Yield Estimate: 5 (Lps/gpm) D6 Final Well Status: Water Supply, Stand by, 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

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)

RECOMMENDATIONS

Recomm. Pump Depth: (m/ft) Recomm. Pumping Rate: (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), 1, 2, 3, 4, 5, 10, 15, 20, 25, 30, 40, 50, 60.

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

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.

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.

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: Cathway Water Res. H2 Name of Driller(s): Jordan Holloway H3 Address of Driller: Signature of Primary Driller Date Submitted to Dept. Of Environment

CONSULTANT (if applicable)

I1 Company Name: 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 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 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