

Y 237



Department of Environment
Water Resources Section V-310
Yukon Water Well Registry
Box 2703 Whitehorse, Yukon Y1A 2C8

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 tanks 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)	EXAMPLE ONLY		CLAY SILT SAND GRAVEL	COBBLES BOLDERS BEDROCK	MOISTURE: dry / moist / saturated / wet	HARDNESS: soft / hard / very hard
	B2 From	B3 To	B4 General Colour	B5 Most Common Material	B6 Secondary Materials	B7 General Description
0	25	Brown	Sand			
25	30	"	"			Wet
30	200	grey	Silt			wet silty clay
200	240	grey	Silt			dry silt
240	260	grey	Silt	rock		silty gravel
260	280	grey	gravel	sand		water

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

WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed: 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)
C4 Casing Material: Steel Plastic Other
C5 Casing Wall Thickness: (cm)
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) (m)
 C10 Seal Depth from: 05 (m) (ft)
 C11 Seal Depth to: 15 (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): _____
 YES 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) (m) (ft)
 C15 Screen Material: Stainless Steel Steel Plastic N/A Other: _____
 C16 Screen Type: Continuous Wire Wrap Louver Screen Perforated Stuffed Open Hole
 C17 Depth from: 276 (m) (ft)
 C18 Depth to: 280 (m) (ft)
 Slot Size / Perforation Dia: 15 (mm) / min / inches
 Screen 1: _____ (m / ft) _____ (m / ft) _____ (mm / inches)
 Screen 2: _____ (m / ft) _____ (m / ft) _____ (mm / inches)
 Screen 3: _____ (m / ft) _____ (m / ft) _____ (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 Depth of adaptor: _____ (m / ft) Well Pit (NOT PERMITTED) None (well not completed)
 D3 Well Head Stick-up (above ground surface): 2 (m) (ft) (Use negative if below grade)
 D4 Static Water Level (below top of casing): 80 (m) (ft) (Use negative if below grade)
 D5 Well Yield Estimate: 7.9 (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
 Reason for abandonment: _____
 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 Other: _____
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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

Drawdown		Recovery	
Time (min)	Water Level (m / ft)	Time (min)	Water Level (m / ft)
0 (SWL)		0 (FWL)	
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

G1 GROUNDWATER QUALITY

Field Data

Date Measurements Taken: _____
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Electrical Conductivity: _____ uS

pH: _____

Temperature: _____ °C

Turbidity/Sand Content

Clear
 Slightly turbid/cloudy
 Moderately turbid/cloudy
 Turbid/cloudy
 Trace sand present
 No sand present

Bacteria Testing

Was a sample taken? YES NO If yes, indicate the name of the laboratory.

Date Sample Taken: _____

Chemical Analysis of Water

Was a sample taken? YES NO If yes, indicate the name of the laboratory.

Date Sample Taken: _____

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.

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: _____
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Date Submitted to Dept. Of Environment

CONSULTANT (if applicable)

I1 Company Name: _____

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 (4-310),
 Department of Environment,
 Government of Yukon Box 2793,
 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 contained on this form is collected under the authority of the Access to Information and Protection of Privacy (ATIP/PP) 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, 9th Flr, White Yukon 1-630-661-0408 Ext. 3223.

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

Signature of Well Owner: _____