



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

WATER WELL DRILLERS FORM

Well ID:
To be assigned by Dept. Of Environment

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
YTG - Carmacks Waste Water Treatment Plant

A3 Street Address of Well Location:
LOT 181 PLAN 55659 CLR

A4 Town / Village / Area / Lot #:
Carmacks, Y.T.

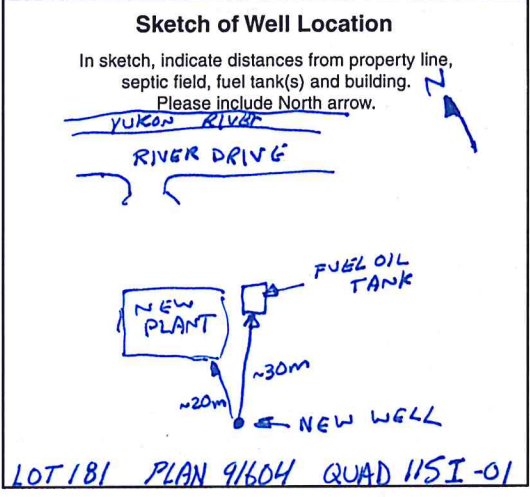
A5 UTM Coordinates (using handheld GPS): NAD Zone
Easting Northing

A6 Elevation of Top of Casing: m / ft ASL

A7 Accuracy of GPS: +/- m / ft

A8 Purpose of Wells

- Domestic
- Commercial
- Industrial
- Test Well
- Municipal
- Agricultural
- Irrigation
- Observation - Water Level
- Public/Recreational
- Environmental (Quality)
- Other (please identify use)



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

Depth (m / ft) B2 From B3 To	B4 General Colour <small>(brown, grey, green, black, redish, beige, olive, yellowish)</small>	B5 Most Common Material <small>CLAY, SILT, SAND, GRAVEL, COBBLES, BOULDERS, BEDROCK</small>	B6 Secondary Materials <small>"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%</small>		B7 General Description <small>MOISTURE: dry / moist / saturated (wet) HARDNESS: soft / hard / very hard</small>
			trace gravel	some silt	
0 2		muck.			
2 15	grey	gravel sand		sand, silt	
15 23	grey				course, wet sand
23 28					hardpan c log (wet)
28 29		course gravel.		silt	hard & dry
29 30		gravel.		course sand	
30 44		gravel		A	
44 68		fine sand			
68 75		course sand			wet

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

WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed
2 0 0 9 0 8 1 8
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) 6
C4 Casing Material Steel Plastic Other
C5 Casing Wall Thickness (cm / in) .219
C6 Casing Depth to: (m / ft) 72

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: 8 (m/ft)
C11 Seal Depth to: 20 (m/ft)
C12 Volume Placed: (m³/ft³)

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

C13 Gravel Pack: [X] 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: 5 (cm/in)
C15 Screen Material: [X] Stainless Steel
C16 Screen Type: [X] Continuous Wire Wrap
C17 Depth from: 71 (m/ft)
C18 Depth to: 76 (m/ft)
Slot Size / Perforation Dia: 0.010 Thou./mm/inches

WELL DEVELOPMENT AND STATUS

D1 Well Developed by: [X] Surge Block, [X] Bailing, [X] Pumping
D2 Well Head Completion: [X] Pitless Adaptor
D3 Well Head Stick-up: 2 (m/ft)
D4 Static Water Level: 4 (m/ft)
D5 Well Yield Estimate: 15 (Lps/gpm)
D6 Final Well Status: [X] Water Supply (in use)
D7 Well Abandonment Status: Was the well properly decommissioned with bentonite grout? [] YES [] NO
D8 Method Used to Estimate Well Yield: [X] 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) for Drawdown, Time (min), Water Level (m/ft) for Recovery. Rows 0-60 minutes.

G1 GROUNDWATER QUALITY

Field Data

Date Measurements Taken: Y Y Y Y M M D D

Electrical Conductivity: uS
pH:
Temperature: °C

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? [X] YES [] NO

Briefly describe method of well disinfection.

CHLORINATION

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? [X] YES [] NO
Date Sample Taken: 20090829 ALS

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: Pathway Water Resources
H2 Name of Driller(s):
H3 Address of Driller: 21048 Whse, Y.T. Y1A 6P6

CONSULTANT (If applicable)

I 1 Company Name:
I 2 Company Address:
I 3 Report Reference:
I 4 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

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.

Please feel free to contact us at: Phone: (867) 667-3171, Toll free (in Yukon): (1-800) 661-0408, local 3171

I have read the above clause and understand the purpose for collection of personal information. Signature of Well Owner: COMMUNITY SERVICES