

Y 286

Well ID: 204100544  
To be assigned by Dept. Of Environment

## WATER WELL DRILLERS FORM

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: Kookatsoon Lake (B)

A4 Town / Village / Area / Lot #: lot 1

A5 UTM Coordinates (using handheld GPS): NAD 8 | 3 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.

105 D-10  
82

### 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 gravel <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	
Depth (m / ft)	B2 From	B3 To	B4 General Colour	B5 Most Common Material	B6 Secondary Materials	B7 General Description
	0	54		clay / boulders	and gravel	moist
	54	57	grey Mott	clean brown		Dry
	57	102	grey	clay	trace gravel	moist
	102	126	grey	clay + silt	No gravel	moist
	126	154	grey	silt		moist-soft
	154	115	grey	and SAND	some gravel	saturated

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

### WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed 20151009  
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 1.5 (cm / in)  
 C4 Casing Material  Steel  Plastic  Other 219  
 C5 Casing Wall Thickness  (cm / in)  
 C6 Casing Depth to: 115 (m / ft)

### C7 Other Comments Regarding Casing:

30' exposure  
15' exposure

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: 16 (m/ft)
C11 Seal Depth to: 10 (m/ft)
C12 Volume Placed: 200 (m^3/ft^3) 1.65

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

C13 Gravel Pack: 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: 4.5 (cm/in)
C15 Screen Material: Stainless Steel
C16 Screen Type: Open Hole
C17 Depth from: Screen 1: 16 (m/ft)
C18 Depth to: Screen 1: 10 (m/ft)
Slot Size / Perforation Dia: 1.5 Thou./mm/inches

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 (NOT PERMITTED), None
D3 Well Head Stick-up: 16 (m/ft)
D4 Static Water Level: 10.5 (m/ft)
D5 Well Yield Estimate: 107 (Lps/gpm)
D7 Well Abandonment Status: YES
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)

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:

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) for Drawdown and Recovery. Rows include 0 (SWL), 0 (FWL), 1, 2, 3, 4, 5, 10, 15, 20, 25, 30, 40, 50, 60.

Bacteria Testing

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

Date Sample Taken:
Y Y Y Y M M D D

Chemical Analysis of Water

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

Date Sample Taken:
Y Y Y Y M M D D

WELL CONTRACTOR

H1 Name of Contractor: WATER
H2 Name of Driller(s):
H3 Address of Driller:
Date Submitted to Dept. Of Environment: Y Y Y Y M M D D

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:

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

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.

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

Signature of Well Owner