Y269

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

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

WATER WELL DRILLERS FORM

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: First Name [redacted] Last Name [redacted] Company / Department / Organization

A3 Street Address of Well Location: Tatini Rivers Rd, Mile 1

A4 Town / Village / Area / Lot #: lot 1219-2

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

Sketch of Well Location
In sketch, indicate distances from property line, septic field, fuel tank(s) and building. Please include North arrow.

105 D14
SV
479355
6748831
+300-1000

A8 Purpose of Wells

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

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

EXAMPLE ONLY →	(brown, grey, green, black, reddish, beige, olive, yellowish)	CLAY, SILT, SAND, GRAVEL, COBBLES, BOULDERS, BEDROCK	"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%	MOISTURE: dry / moist / saturated (wet) HARDNESS: soft / hard / very hard
	brown	SAND	trace gravel some silt	soft and saturated

B2 From (m / ft)	B3 To (m / ft)	B4 General Colour	B5 Most Common Material	B6 Secondary Materials	B7 General Description
0	216	grey/brown	Silt	and Clay	Soft dry
216	229	grey	fine Sand	and Silt	moist
229	234	grey	fine Silt	and Clay	moist
234	241	grey	CLAY	—	—
241	252	grey	fine SAND	and Multiple clay Seams	moist/wet
252	259	grey	CLAY	—	hard clay
259	262	grey	SAND	and Silt	moist
262	272	grey	CLAY	and Silt	moist
272	286	grey	SAND	—	saturated
286	320		CLAY	—	—
320	349		SAND	and Silt	saturated
349	442		CLAY	and Silt	moist

Suspended Sediments Area →

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

WELL CONSTRUCTION *(Continues on Page 2)*

Date Well Completed: 2014 09 20 (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: 6 1/2 (cm / in)

C4 Casing Material: ☑ Steel ☐ Plastic ☐ Other _____

C5 Casing Wall Thickness: 0.219 (cm / in)

C6 Casing Depth to: 442 (m / ft)

C7 Other Comments Regarding Casing:

YG(5302)F2 Rev. 09/2006

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WELL CONSTRUCTION *(Continued from Page 1)*

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: 18 ft (m / ft)
C11 Seal Depth to: (m / ft)
C12 Volume Placed: 4 bags @ 20kg (m³/ft³)

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

C13 Gravel Pack: N/A ☐ 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: 5 (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:	C18 Depth to:	Slot Size / Perforation Dia:
Screen 1.	273-3 (m / ft)	283-0 (m / ft)	8 Thou. / mm / inches
Screen 2.	(m / ft)	(m / ft)	Thou. / mm / inches
Screen 3.	(m / ft)	(m / ft)	Thou. / mm / inches

C19 Screen Comments: 2 screens - overall length including gaskets 9'-8" casing cut @ 281'6" casing pullback 6 feet - (62 M)

2x-Kpac bottom
1-Kpac top
departure out = 18"

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 1/2 (m / ft) (Use negative if below grade)

D4 Static Water Level (below top of casing): ___ (m / ft) (Use negative if below grade)

D5 Well Yield Estimate: 1.5 (Lps / gpm)

D6 Final Well Status: ☐ Water Supply (in use) ☐ Stand by (Back-up) ☐ Observation ☐ Not in use ☐ Deepened ☐ Other: ___ ☐ Abandoned If well was abandoned, please give reason: ☐ 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: ___
Y Y Y Y M M D D

D8 Method Used to Estimate Well Yield: ☐ Air Lifting ☐ Bailing ☐ Pumping Test (If test conducted, complete Pumping Test Record)

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 Time (min)	Water Level (m / ft)	Recovery 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: ___
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? ☐ YES ☐ NO
Briefly describe method of well disinfection.

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

Clear Form | Print Form

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: CATHWAY WATER
H2 Name of Driller(s): [redacted]
H3 Address: [redacted] Whitehorse YT
___
Y Y Y Y M M D D
Date Submitted to Dept. Of Environment

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

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

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

Signature of Well Owner