

## 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: YOWN-1802 Optional (i.e. City Well No. 2)

A2 Drilled For:     
 First Name Last Name Company / Department / Organization  
Yukon Environment

A3 Street Address of Well Location: Kluane First Nation

Harvest Camp

A4 Town / Village / Area / Lot #: Alaska Highway at Koidern River

A5 UTM Coordinates (using handheld GPS): NAD 8 3 Zone 7

545225 6858086  
 Easting Northing

A6 Elevation of Top of Casing: 718 m m / ft ASL

A7 Accuracy of GPS: 3 m +/- m / ft

#### Sketch of Well Location

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

### 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, redish, 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 / gravely" 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
Depth (m / ft)		B4 General Colour	B5 Most Common Material	B6 Secondary Materials	B7 General Description
B2 From	B3 To				
0	4	Brown	Gravel	Sand	Gravel Fill
4	8	Brown	Clay	Silt	Silt + clay
8	14	Brown	Sand		Gravelly Sand
14	16	Brown	Clay	Silt	Silt + clay
16	42	Brown	Sand	Gravel	Sand Gravel
42	50	Black	Gravel	Silt + clay	Till
50	55	Brown	Gravel	Sand	Sand Gravel

B8 Permafrost Encountered:  NO  YES If yes, indicated depth (m / ft): from: 0 to: 16 ft

### WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed 20190313  
 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 6.5 (cm / in)  (cm)  (in)  
 C4 Casing Material  Steel  Plastic  Other  
 C5 Casing Wall Thickness .250 (cm / in)  (cm)  (in)  
 C6 Casing Depth to: 51 (m / ft)  (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 x 6 3/4 (cm/in)
C10 Seal Depth from: 0-20 (m/ft)
C11 Seal Depth to: 20 (m/ft)
C12 Volume Placed: 70 Gall (m³/ft³)

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

C13 Gravel Pack: NO If yes, indicated depth (m/ft):
Material type: (i.e. silica)

Well Screen Information (depth below ground surface, please circle appropriate units)

C14 Outside Diameter: 5.6 (cm/in)
C15 Screen Material: Stainless Steel
C16 Screen Type: Continuous Wire Wrap
C17 Depth from: 55 (m/ft)
C18 Depth to: 51 (m/ft)
Slot Size / Perforation Dia: 0.20 Thou./mm/inches

WELL DEVELOPMENT AND STATUS

D1 Well Developed by: Air Jetting / Air Lifting
D2 Well Head Completion: None (well not completed)
D3 Well Head Stick-up: 3 (m/ft)
D4 Static Water Level: 34 (m/ft)
D5 Well Yield Estimate: 25-30 (Lps/gpm)
D6 Final Well Status: Observation
D7 Well Abandonment Status: YES
D8 Method Used to Estimate Well Yield: Air Lifting

PUMPING TEST RECORD AND GROUNDWATER QUALITY

E1 Pumping Test Information
Pumping Test Start Date:
Static Water Level (SWL):
Pump Intake Set at:
Duration of pumping:
Final Water Level (FWL) at end of Pumping Test:

F1 Well Water Level Drawdown/Recovery DATA

Table with 4 columns: Time (min), Drawdown Water Level (m/ft), Recovery Time (min), Recovery Water Level (m/ft). Rows 0-60.

G1 GROUNDWATER QUALITY

Field Data
Date Measurements Taken:
Electrical Conductivity:
pH:
Temperature:
Turbidity/Sand Content
Well Disinfection

Bacteria Testing
Was a sample taken? YES NO
Date Sample Taken:
Chemical Analysis of Water
Was a sample taken? YES NO
Date Sample Taken:

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: Midnight Sun Dr.
H2 Name of Driller(s):
H3 Address of Driller:
Date Submitted to Dept. Of Environment: 20180319

CONSULTANT (If applicable)

I 1 Company Name:
I 2 Company Address:
I 3 Report Reference:
I 4 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 contained on this form is collected under the authority of the Access to Information and Protection of Privacy (ATIPPA) 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