

Well ID:

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: Heritage Building Well #2 Optional (i.e. City Well No. 2)

A2 Drilled For: Teslin Tlingit First Nation Heritage Building  
Company / Department / Organization

A3 Street Address of Well Location: Km 124B Alaska highway

A4 Town / Village / Area / Lot #: Teslin

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

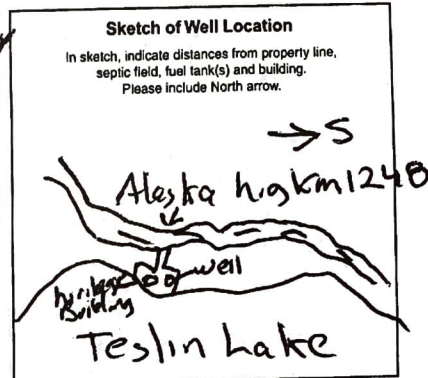
132° 47.372 60° 10.589  
Easting West Northing

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

A7 Accuracy of GPS: 18 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



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

#### EXAMPLE ONLY

| Depth (m / ft) |       | (brown, grey, green, black, redish, beige, olive, yellowish) | CLAY, SILT, SAND, GRAVEL, COBBLES, BOULDERS, BEDROCK | trace < 10% (i.e. SILT trace gravel)<br>"some" 10-20% (i.e. SAND some gravel)<br>"silty / sandy / gravelly" 20-30% (i.e. silty SAND)<br>"and sand" or "and gravel" 35-50% | MOISTURE: dry / moist / saturated (wet)<br>HARDNESS: soft / hard / very hard |
|----------------|-------|--|--|---|--|
| B2 From        | B3 To | B4 General Colour  | B5 Most Common Material                              | B6 Secondary Materials  | B7 General Description   |
| 0              | 15    | brown  | gravel   | sandy   | dry soft   |
| 15             | 25    | grey   | silt   | sand  | dry soft   |
| 25             | 30    | grey   | clay   | silt  | dry soft   |
| 30             | 54    | grey   | silt   | clay  | dry soft   |
| 54             | 85    | grey   | silty s.   | sand  | wet soft   |
| 85             | 89    | grey   | gravel   | silt fine   | moist soft   |
| 89             | 117   | grey   | gravel clean   | sand  | moist soft   |
| 117            | 126   | grey   | very fine sand                                       | some silt   | moist soft   |
| 126            | 136   | grey   | clay   | some sand / silt  | moist soft   |
|                |       | grey   | coarse clean gravel                                  | sand  | water bearing  |

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

### WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed 2020 11 29  
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 3/4 (cm / in)  
C4 Casing Material ☒ Steel ☐ Plastic ☐ Other   
C5 Casing Wall Thickness 1/4 (cm / in)  
C6 Casing Depth to: 136' 5 1/4" (m / ft)

### C7 Other Comments Regarding Casing:

## Surface / Environmental Seal (depth below ground surface, please circle appropriate units)

C8 Seal Material Type: grout chips (i.e. Bentonite)  
 C9 Diameter of Seal: 12 (cm) (in)  
 C10 Seal Depth from: 0 (m) (ft)  
 C11 Seal Depth to: 17 (m) (ft)  
 C12 Volume Placed: 4 m<sup>3</sup> (m<sup>3</sup> / ft<sup>3</sup>)

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

C13 Gravel Pack: ☐ NO ☒ YES If yes, indicated depth (m / ft): 13.5 to: 13.5 Indicate diameter of material: 1/2 - 3/4 (mm) (inches) Material type: clean gravel (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: 13.5 (m) (ft) C18 Depth to: 13.5 (m) (ft) Slot Size / Perforation Dia: 60 Thou. / mm / inches  
 Screen 2: \_\_\_\_\_ (m) (ft) \_\_\_\_\_ (m) (ft) \_\_\_\_\_ Thou. / mm / inches  
 Screen 3: \_\_\_\_\_ (m) (ft) \_\_\_\_\_ (m) (ft) \_\_\_\_\_ Thou. / 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): 4 (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: 40+ (L / gpm)  
 D6 Final Well Status: ☐ Water Supply (in use) ☒ Not in use ☐ Stand by (Back-up) ☐ Observation ☐ Abandoned ☐ Deepened ☐ Other: \_\_\_\_\_  
 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 (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)

## 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: \_\_\_\_\_

## 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

| 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         |                      |

## 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 / Drilling Company: Midnight Sun Drilling

H2 Name of Driller(s): \_\_\_\_\_

H3 Address of Driller: \_\_\_\_\_

\_\_\_\_\_

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 (AT/IPP) 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