

# WATER WELL DRILLERS FORM

Well ID:   
To be assigned by Dept. Of Environment

### 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)

First Name  Last Name  Company / Department / Organization

A2 Drilled For:

A3 Street Address of Well Location:  LOT 1146

A4 Town / Village / Area / Lot #:  PLAN 05-1-3 QUAD 1050 10

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

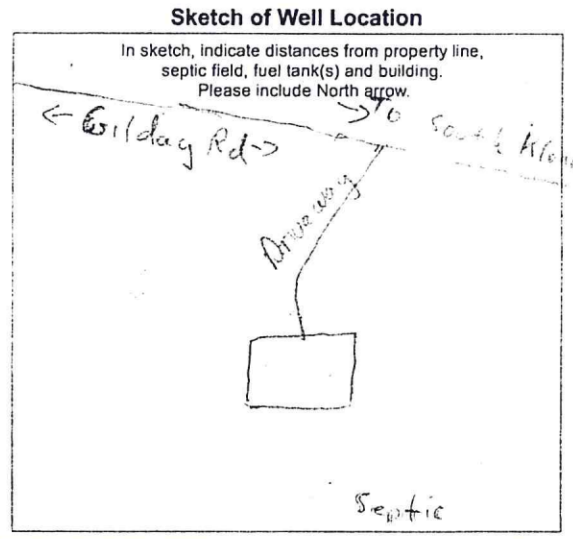
510181139  617107181819

Easting Northing

A6 Elevation of Top of Casing:  856 m m / ft ASL

A7 Accuracy of GPS:  3m +/- 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		(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 / 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	
Depth ( m / ft )	B2 From	B3 To	B4 General Colour	B5 Most Common Material	B6 Secondary Materials	B7 General Description
	0	100	brown	Sand		dry
	100	184	brown	Sand	Silt gravel	wet
	184	280	brown/red	bedrock		fractured residual pump to be placed in casing

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

### WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed  06112006

Example: 31 01 2005

- 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)  Steel  Plastic

C4 Casing Material

C5 Casing Wall Thickness  2.50 mm (cm / in)

C6 Casing Depth to:  184 (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 (cm / in)
C10 Seal Depth from: 0 (m / ft)
C11 Seal Depth to: 15 (m / ft)
C12 Volume Placed: (m³ / ft³)

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

C13 Gravel Pack: NO If yes, indicated depth ( m / ft ):
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: (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: (m / ft)
C18 Depth to: (m / ft)
Screen 1, 2, 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, Well Pit, None
D3 Well Head Stick-up (above ground surface): 2 (m / ft)
D4 Static Water Level (below top of casing): 103 (m / ft)
D5 Well Yield Estimate: 18 (Lps / gpm)
D6 Final Well Status: Water Supply, Stand by, Observation, Not in use, Deepened, Abandoned, Dry, Poor Quality, Insufficient Yield
D7 Well Abandonment Status: Was the well properly decommissioned with bentonite grout? YES NO
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: (D D M M Y Y Y Y)
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: 184 (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), Drawdown Water Level (m / ft), Time (min), Recovery Water Level (m / ft). Rows 0-60.

G1 GROUNDWATER QUALITY

Field Data: Date Measurements Taken: (D D M M Y Y Y Y)
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: Bleach

Bacteria Testing

Was a sample taken? YES NO
Date Sample Taken: 11/4/11 12:00

Chemical Analysis of Water

Was a sample taken? YES NO
Date Sample Taken: 11/4/11 12:00
ALS

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company:
H2 Name of Driller(s):
H3 Address of Driller:
Signature of Primary Driller:
Date Submitted to Dept. Of Environment: 05/10/4/2012

CONSULTANT (if applicable)

I1 Company Name:
I2 Company Address:
I3 Report Reference:
I4 Report Date:

ADDITIONAL INSTRUCTIONS

Upon completing this form,

Water Resources Section (V-310), Department of Environment, Government of Yukon

Please feel free to contact us at:

Phone: (867) 667-3171, Toll free (in Yukon): (1-800) 661-0408, local 3171