

complete except casing thickness

976

## WATER WELL DRILLERS FORM

Well ID: 204140306  
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)

A2 Drilled For: First Name Lawrence Last Name O'Neill Company / Department / Organization

A3 Street Address of Well Location: Lot 341 Miners Ridge  
Plan 06-162 Quad 105 D114

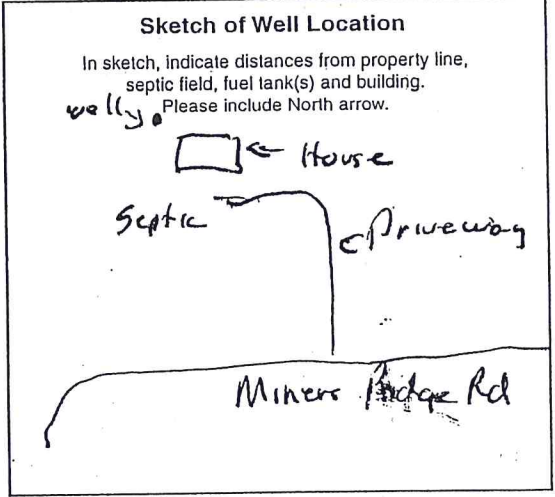
A4 Town / Village / Area / Lot #: Whitehorse

A5 UTM Coordinates (using handheld GPS): NAD 8 | 3 Zone 81N

Easting: 4 | 8 | 7 | 6 | 9 | 9 Northing: 6 | 7 | 4 | 7 | 7 | 5 | 6

A6 Elevation of Top of Casing:  m / ft ASL

A7 Accuracy of GPS:  +/- m / ft



### A8 Purpose of Wells

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

### 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)		B4 General Colour	B5 Most Common Material	B6 Secondary Materials	B7 General Description
B2 From	B3 To				
0	8	Brown	Silt	Sand	dry
8	94	grey	Clay	Silt	dry
94	104	grey	Silt	Sand gravel	dry
104	116	Black	Rock		Fractured
116	225	grey & black	Bedrock		soft-hard

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

### WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed 2010 07 1  
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 6.75 (cm / in)

C4 Casing Material  Steel  Plastic  Other

C5 Casing Wall Thickness 2.19 (cm / in)

C6 Casing Depth to: 116 m / ft  
PUC casing +15'-255'

C7 Other Comments Regarding Casing:  
Stratex Casing shoe

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

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

C13 Gravel Pack: 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 (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)
Slot Size / Perforation Di (Thou. / mm / inch)
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, Wellless Adaptor, Well Pit, None
D3 Well Head Stick-up (above ground surface): 5' (m / ft)
D4 Static Water Level (below top of casing): 8-1' (m / ft)
D5 Well Yield Estimate: 2.5 (Lps / gpm)
D6 Final Well Status: Water Supply, Stand by, Observation, Not in use, Deepened, Abandoned, Dry, Poor Quality, Insufficient Yield, Artesian conditions
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: (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

Table with columns: Drawdown (Time, Water Level) and Recovery (Time, Water Level). Rows 0-60 minutes.

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. Bleach

Bacteria Testing

Was a sample taken? YES NO
Date Sample Taken: (Y Y Y Y M M D D)

Chemical Analysis of Water

Was a sample taken? YES NO
Date Sample Taken: (Y Y Y Y M M D D) ALS

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: IMPACT WELL DRILLING
H2 Name of Driller(s): Brian Mac Donnell
H3 Address of Driller: Box 10254, Whitehorse, Y.T.
Signature of Primary Driller: [Signature]
Date Submitted to Dept. Of Environment: 20110031

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:

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