

WATER WELL DRILLERS FORM

Well ID: 20414 0308
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.

105014

WELL LOCATION AND OWNER'S INFORMATION

A1 Well Name: Deep Creek Optional (i.e. City Well No. 2)

A2 Drilled For: First Name TOM Last Name RENWICK Company / Department / Organization YTG

A3 Street Address of Well Location: Deep Creek

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

A4 Town / Village / Area / Lot #: _____

A5 UTM Coordinates (using handheld GPS): NAD 8 | 3 Zone 8N
Easting 0488393 Northing 6770798

A6 Elevation of Top of Casing: 066 (m) ASL

A7 Accuracy of GPS: 10 +/- (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, red, 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
DopH (m / ft)		brown	SAND	trace gravel some silt	soft and saturated
B2 From	B3 To	B4 General Colour	B5 Most Common Material	B6 Secondary Materials	B7 General Description
0	17	GRN/BLK	FRACTURED	BEDROCK	HARD / DRY
17	180	WHY/BLK	BEDROCK		HARD / SATURATED
180	255	BLK	BEDROCK		
255	333	GREY	BEDROCK		

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

WELL CONSTRUCTION (Continues on Page 2) Date Well Completed 2012 08 26 Example: 2005 01 31
Y Y Y Y M M D D

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 6.25 (cm) (in)
 C4 Casing Material Steel Plastic Other _____
 C5 Casing Wall Thickness 2.50 (cm) (in)
 C6 Casing Depth to: 33 (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: 4 (cm / in)
 C10 Seal Depth from: 0 (m / ft)
 C11 Seal Depth to: 20 (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): 4.94
 C15 Screen Material: Plastic
 C16 Screen Type: Perforated
 C17 Depth from: 133 (m / ft)
 C18 Depth to: 32.29 (m / ft)
 Slot Size / Perforation Dia: 1.00 Thou. / mm / inches
 Screen 1: _____ (m / ft) _____ (m / ft) _____ Thou. / mm / inches
 Screen 2: _____ (m / ft) _____ (m / ft) _____ Thou. / mm / inches
 Screen 3: _____ (m / ft) _____ (m / ft) _____ Thou. / mm / inches
 C19 Screen Comments: 6" THREADED CAP BOTTOM

WELL DEVELOPMENT AND STATUS

D1 Well Developed by: Surge Block Water Jetting Air Jetting / Air Lifting Bailing Pumping 48HR
 D2 Well Head Completion: Well House Pitless Adaptor Well Pit (NOT PERMITTED) None (well not completed)
 D3 Well Head Stick-up (above ground surface): 2 (m / ft)
 D4 Static Water Level (below top of casing): 12 (m / ft)
 D5 Well Yield Estimate (L / min): 20
 D6 Final Well Status: Water Supply (in use) Not in use Abandoned Dry Stand by (Back-up) Deepened Poor Quality Observation Other: _____
 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 (If test conducted, complete Pumping Test Record)
 Y Y Y Y M M D D

PUMPING TEST RECORD AND GROUNDWATER QUALITY

(All depths below ground, circle appropriate units)

E1 Pumping Test Information

Pumping Test Start Date: 20120104
 Y Y Y Y M M D D

Static Water Level (SWL): 12 (m / ft)

Pump Intake Set at: 294 (m / ft)

Duration of pumping: 48 hrs 240 min STEP TEST

Final Water Level (FWL) at end of Pumping Test: 32.29 (m / ft)

G1 GROUNDWATER QUALITY

Field Data
 Date Measurements Taken: 2012/09/10
 Y Y Y Y M M D D

Electrical Conductivity: 1078 uS
 pH: 8.27
 Temperature: 5.6 °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

Drawdown		Recovery	
Time (min)	Water Level (m / ft)	Time (min)	Water Level (m / ft)
0 (SWL)	4.97	0 (FWL)	32.29
1	8.03	1	28.31
2	9.69	2	26.44
3	10.93	3	25.28
4	11.90	4	24.59
5	12.65	5	24.10
10	15.39	10	22.82
16	16.57	16	22.06
20	17.79	20	21.21
25	19.04	25	20.85
30	19.86	30	20.83
40	21.03	40	20.21
50	21.96	50	19.69
60	22.71	60	19.22

Bacteria Testing

Was a sample taken? YES NO
 Date Sample Taken: 2012/09/10
 Y Y Y Y M M D D
 If yes, indicate the name of the laboratory: Environmental Health

Chemical Analysis of Water

Was a sample taken? YES NO
 Date Sample Taken: 2012/09/10
 Y Y Y Y M M D D
 If yes, indicate the name of the laboratory: EXOVA

Clear Form

Print Form

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: DRILLING
 H2 Name of Driller(s): BOB STANICE
 H3 Address of Driller: 2407 DEAN ST. REGENCY
 Signature of Primary Driller: _____
 Y Y Y Y M M D D

CONSULTANT (If applicable)

I1 Company Name: EBA ENGINEERING
 I2 Company Address: _____
 I3 Report Reference: _____
 I4 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

Personal information contained on this form is collected under the authority of the Access to Information and Protection of Privacy (ATIP/PA) Act, Section 23 (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: _____