

WATER WELL DRILLERS FORM

Well ID:
To be assigned by Dept. Of Environment

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: GOLDER KERN FIREHALL Optional (i.e. City Well No. 2)

A2 Drilled For: GOVERNMENT OF YUKON

A3 Street Address of Well Location:

A4 Town / Village / Area / Lot #: GOLDER KERN FIREHALL

A5 UTM Coordinates (using handheld GPS): NAD 8 3 Zone 1

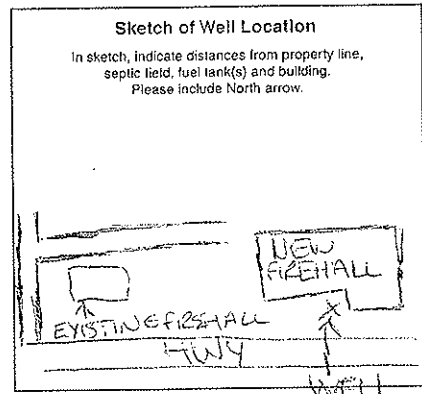
095061814 671181015
Easting Northing

A6 Elevation of Top of Casing: 730 (m) / ft ASL

A7 Accuracy of GPS: 06 +/- (m) / ft

A8 Purpose of Wells

- | | | | |
|--|---------------------------------------|--|---|
| <input type="checkbox"/> Domestic | <input type="checkbox"/> Test Well | <input type="checkbox"/> Irrigation | <input type="checkbox"/> Environmental (Quality) |
| <input checked="" type="checkbox"/> Commercial | <input type="checkbox"/> Municipal | <input type="checkbox"/> Observation - Water Level | <input checked="" type="checkbox"/> Other (please identify use) |
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Agricultural | <input type="checkbox"/> Public/Recreational | FIREHALL |



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

EXAMPLE ONLY		(brown, grey, green, black, reddish, 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" 20-50% (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	27	BRN	FINE SAND		
	27	35	BRN/GY	SILTY SAND	SOME CLAY	
	35	111	GY	SILTY SAND	TRACE GRAVEL	W/B @ 35
	111	115	GY	SILTY SAND	TRACE COARSE GRAVEL	VERY STICKY
	115	124	BRN/GY	FINE GRAVEL	SOME FINE SAND +	SILT, VERY DENSE MATERIAL
	124	132	BRN/GY	FINE-MED GRAVEL	WELL CUT WATER	OFF @ 124 FT
	132	135	GRN	BEDROCK	GOOD FRACTURE	@ 134 BUT NO
					WATER INCREASE	

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

WELL CONSTRUCTION (Continues on Page 2)

Date Well Completed 20081906
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 (cm / in)

C4 Casing Material: Steel Plastic Other

C5 Casing Wall Thickness: 2.50 (cm / in)

C6 Casing Depth to: 116.4 (m / ft)

C7 Other Comments Regarding Casing:

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

C8 Seal Material Type: 5/8" CEMENT (i.e. Bentonite)
C9 Diameter of Seal: 4 (cm)
C10 Seal Depth from: 2.5 (m)
C11 Seal Depth to: 14.5 (m)
C12 Volume Placed: 10 (m³)

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

C13 Gravel Pack: NO
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: 5 (cm)
C15 Screen Material: Stainless Steel
C16 Screen Type: Continuous Wires Wrap
C17 Depth from: 1.5 (m)
C18 Depth to: 11.5 (m)
Slot Size / Perforation Dia: .015 Thou. / mm / inches
Screen 2: 1.5 (m) to 11.5 (m)
Screen 3:
C19 Screen: KPACKER RISER = 2 FT 0 IN. OVERALL LENGTH 10 FT 8 IN.

WELL DEVELOPMENT AND STATUS

D1 Well Developed by: Surge Block, Water Jetting, Air Jetting / Air Lifting, Bailing, Pumping
D2 Well Head Completion: Well House, Wellless Adaptor, WELDED PLATE, Well Pit (NOT PERMITTED), None
D3 Well Head Stick-up: 2 (m)
D4 Static Water Level: 11.5 (m)
D5 Well Yield Estimate: 2 (Lps)
D6 Final Well Status: Water Supply (in use), Stand by (Back-up), Observation
D7 Well Abandonment Status: YES
D8 Method Used to Estimate Well Yield: Pumping Test

PUMPING TEST RECORD AND GROUNDWATER QUALITY

E1 Pumping Test Information
Pumping Test Start Date: 2/10/08 11:00 AM
Static Water Level (SWL): 10.9 (m)
Pump Intake Set at: 35.5 (m)
Duration of pumping: 24 hrs
Final Water Level (FWL) at end of Pumping Test: 27.08 (m)
G1 GROUNDWATER QUALITY
Field Data: Date Measurements Taken: 2/10/08 11:01 AM
Electrical Conductivity: 581 uS
pH: 7.40
Temperature: 5.1 °C
Turbidity/Sand Content: Clear
Well Disinfection: YES

F1 Well Water Level Drawdown/Recovery DATA

Table with 4 columns: Time (min), Water Level (m / ft) Drawdown, Time (min), Water Level (m / ft) Recovery. Data points from 0 to 60 minutes.

Bacteria Testing

Was a sample taken? YES
Date Sample Taken: 2/10/08 11:00 AM
Name of the laboratory: EHS White

Chemical Analysis of Water

Was a sample taken? YES
Date Sample Taken: 2/10/08 11:00 AM
Name of the laboratory: Bodycote

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company: DORIS DRILLING LTD
H2 Name of Driller(s):
H3 Address of Driller: Wm # 06 032 802
Signature of Primary Driller:
Date Submitted to Dept. Of Environment: Y Y Y Y M M D D

CONSULTANT (if applicable)

I1 Company Name: EBA Engineering Consultants
I2 Company Address: Catalyst Business Centre Unit
I3 Report Reference: W23101144
I4 Report Date: 2/10/09 01:21 PM

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

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.

I have read the above clause and understand the purpose for collection of personal information.

Signature of Well Owner