



Ministry of
Environment

- ☒ Well Construction Report
☐ Well Closure Report
☐ Well Alteration Report

Stamp company name/address/
phone/fax/email here, if desired.

Ministry Well ID Plate Number: _____
Ministry Well Tag Number: _____
☐ Confirmation/alternative specs. attached
☐ Original well construction report attached

Red lettering indicates minimum mandatory information. See reverse for notes & definitions of abbreviations.

Owner name: Deep Creek
Mailing address: _____ Town _____ Prov. _____ Postal Code _____
Well Location (see note 2): Address: Street no. _____ Street name _____ Town _____
☒ Legal description: Lot _____ Plan _____ D.L. _____ Block _____ Sec. _____ Twp. _____ Rg. _____ Land District _____
☒ PID: _____ (and) Description of well location (attach sketch, if nec.): _____

NAD 83: Zone: _____ UTM Easting: 488355 m (see note 3) UTM Northing: 6770521 m Latitude (see note 4): _____ Longitude: _____

Method of drilling: ☐ air rotary ☐ dual rotary ☐ cable tool ☐ mud rotary ☐ auger ☐ driving ☐ jetting ☐ other (specify): _____

Orientation of well: ☐ vertical ☐ horizontal Ground elevation: _____ ft (asl) Method (see note 5): _____

Class of well (see note 6): Water Supply Sub-class of well: Domestic

Water supply wells: indicate intended water use: ☐ private domestic ☐ water supply system ☐ irrigation ☐ commercial or industrial ☐ other (specify): _____

Lithologic description (see notes 8-13) or closure description (see notes 14 and 15)

From ft (bgl)	To ft (bgl)	Surficial Material							Bedrock Material							Colour							Hardness			Water Content						Observations (e.g. other geological materials (e.g. boulders), est. water bearing flow (USgpm), or closure details)				
		Clay	Silt	Till	Sand with clay/silt	Sand, fine-med	Sand, med-coarse	Sand with gravel	Siltstone/shale	Sandstone	Conglomerate	Limestone	Basalt	Volcanic	Crystalline	Other Surficial/ Bedrock	Red	Orange	Brown	Tan	Light Grey	Blue	Green	Dark Grey	Very Hard	Hard	Dense/Stiff	Loose	Dry	Moist	Wet		High Production	Lost circulation	Not Available	
0	2																																			
2	10																																			Moist at 10'
10	21																																			
21	31																																			
31	36																																			
36	45																																			
45	48																																			Broken Rock
48	178																																			Fracture 50cm
178	302																																			Fractures 50cm
302	402																																			Fractures 345-50cm

Casing details

From ft (bgl)	To ft (bgl)	Dia in	Casing Material/Open Hole (see note 17)	Wall Thickness in	Drive Shoe
0	50	8"	Steel	.330	Rein
50	56	6"	Steel	.250	Rein
56	402		Sealed with Bentonite chips		

Surface seal: Type: Bentonite Grout Depth: 18 ft
Method of installation: ☐ Poured ☒ Pumped Thickness: 2 in
Backfill: Type: _____ Depth: _____ ft
Liner: ☒ PVC ☐ Other (specify): _____
Diameter: 5" in Thickness: .250 in
From: 0 ft (bgl) To: 402 ft (bgl) Perforated: From: 402 ft (bgl) To: 222 ft (bgl)

Screen details

From ft (bgl)	To ft (bgl)	Dia in	Type (see note 18)	Slot Size
402	222	5	PVC	.020

Intake: ☒ Screen ☐ Open bottom ☐ Uncased hole
Screen type: ☐ Telescope ☒ Pipe size
Screen material: ☐ Stainless steel ☒ Plastic ☐ Other (specify): _____
Screen opening: ☐ Continuous slot ☒ Slotted ☐ Perforated pipe
Screen bottom: ☐ Bail ☐ Plug ☒ Plate ☐ Other (specify): _____
Filter pack: From: _____ ft To: _____ ft Thickness: _____ in
Type and size of material: Natural

Developed by:

☒ Air lifting ☐ Surging ☐ Jetting ☐ Pumping ☐ Bailing
Other (specify): _____ Total duration: _____ hrs
Notes: _____

Well yield estimated by:

☐ Pumping ☐ Air lifting ☐ Bailing ☐ Other (specify): _____
Rate: 15 USgpm Duration: 7 hrs
SWL before test: _____ ft (btoc) Pumping water level: _____ ft (btoc)

Obvious water quality characteristics:

☐ Fresh ☐ Salty ☐ Clear ☐ Cloudy ☐ Sediment ☐ Gas
Colour/odour: _____ Water sample collected: ☐

Well driller (print clearly):

Name (first, last) (see note 19): _____
Registration no. (see note 20): 00004121501
Consultant (if applicable; name and company): _____

DECLARATION: Well construction, well alteration or well closure, as the case may be, has been done in accordance with the requirements of the Well Construction Regulation.

Signature of
Driller Responsible

PLEASE NOTE: The information provided is based on the conditions at the time of construction, alteration or closure, as the case may be. Well yield, well performance and water quality are not guaranteed as they are influenced by a number of factors, including natural variability, human activities and condition of the works, which may change over time.

Final well completion data:

Total depth drilled: 402 ft Finished well depth: 402 ft (bgl)
Final stick up: 30 in Depth to bedrock: 45 ft (bgl)
SWL: _____ ft (btoc) Estimated well yield: 15 USgpm
Artesian flow: _____ USgpm, or Artesian pressure: _____ ft
Type of well cap: Plate Well disinfected: ☐ Yes ☐ No
Where well ID plate is attached: _____

Well closure information:

Reason for closure: _____
Method of closure: ☐ Poured ☒ Pumped
Sealant material: _____ Backfill material: _____
Details of closure (see note 16): _____

Date of work (YYYY/MM/DD):

Started: 2014/01/07 Completed: 2014/01/12
Comments: _____

white: Customer copy
canary: Driller copy
pink: Ministry copy
Sheet _____ of _____


DC-2 WELL COMPLETION AND AWPP		YUKON GOVERNMENT		PROJECT NO. - BOREHOLE NO.	
		DRILL: AIR ROTARY		ENVH2003020-01-DC-2	
DEEP CREEK, YUKON		6770522.59N 488349.79E Zone 8		ELEVATION: 651.06 m	
SAMPLE TYPE	<input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY <input checked="" type="checkbox"/> SPT <input type="checkbox"/> A-CASING <input type="checkbox"/> SHELBY TUBE <input type="checkbox"/> CORE				
BACKFILL TYPE	<input checked="" type="checkbox"/> BENTONITE <input type="checkbox"/> PEA GRAVEL <input type="checkbox"/> SLOUGH <input type="checkbox"/> GROUT <input type="checkbox"/> DRILL CUTTINGS <input type="checkbox"/> SAND				

Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	MOISTURE CONTENT	<div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <div> PLASTIC M.C. LIQUID 20 40 60 80 </div> <div> STANDARD PENETRATION (N) ■ 20 40 60 80 UNC. COMPRESSIVE STRENGTH (kPa) ◆ 50 100 150 200 POCKET PEN. (kPa) ▲ 100 200 300 400 </div> </div>	DC-2	Elevation (m)
0	SILT - clayey, dry, brown SILT AND GRAVEL (TILL) - sandy, dry to moist					651.0
						650.0
						649.0
						648.0
						647.0
						646.0
						645.0
						644.0
						643.0
						642.0
						641.0
						640.0
						639.0
						638.0
						637.0
						636.0
						635.0
						634.0
						633.0
						632.0
						631.0
						630.0
						629.0
						628.0
						627.0
						626.0
						625.0
						624.0
						623.0
						622.0
						621.0
						620.0
						619.0
						618.0
						617.0
						616.0
						615.0
						614.0
						613.0
						612.0
						611.0
						610.0
						609.0
						608.0
						607.0
						606.0
						605.0
						604.0
						603.0
						602.0
10	SILT - clayey, saturated, loose, muddy					645.0
						644.0
						643.0
						642.0
						641.0
						640.0
						639.0
						638.0
						637.0
						636.0
						635.0
						634.0
						633.0
						632.0
						631.0
						630.0
						629.0
						628.0
						627.0
						626.0
						625.0
						624.0
						623.0
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						608.0
						607.0
						606.0
						605.0
						604.0
						603.0
						602.0
20	SHALE - organic rich, fractured, calcite inclusions					640.0
						639.0
						638.0
						637.0
						636.0
						635.0
						634.0
						633.0
						632.0
						631.0
						630.0
						629.0
						628.0
						627.0
						626.0
						625.0
						624.0
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						608.0
						607.0
						606.0
						605.0
						604.0
						603.0
						602.0
30	QUARTZ SANDSTONE					624.0
						623.0
						622.0
						621.0
						620.0
						619.0
						618.0
						617.0
						616.0
						615.0
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						609.0
						608.0
						607.0
						606.0
						605.0
						604.0
						603.0
						602.0
40	SHALE - organic rich					611.0
						610.0
						609.0
						608.0
						607.0
						606.0
						605.0
						604.0
						603.0
						602.0
50	- 6.1 m thick fault zone - sandstone with calcite and quartz inclusions					602.0

	LOGGED BY: XXXXXXXXXX	COMPLETION DEPTH: 122.53 m
	XXXXXXXXXX	COMPLETE: 14/01/11
	DRAWING NO:	Page 1 of 3

DC-2 WELL COMPLETION AND AWPP		YUKON GOVERNMENT		PROJECT NO. - BOREHOLE NO.	
		DRILL: AIR ROTARY		ENVH2003020-01-DC-2	
DEEP CREEK, YUKON		6770522.59N 488349.79E Zone 8		ELEVATION: 651.06 m	
SAMPLE TYPE	<input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY <input type="checkbox"/> SPT <input type="checkbox"/> A-CASING <input type="checkbox"/> SHELBY TUBE <input type="checkbox"/> CORE				
BACKFILL TYPE	<input checked="" type="checkbox"/> BENTONITE <input type="checkbox"/> PEA GRAVEL <input type="checkbox"/> SLOUGH <input type="checkbox"/> GROUT <input type="checkbox"/> DRILL CUTTINGS <input type="checkbox"/> SAND				

Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	MOISTURE CONTENT	STANDARD PENETRATION (N)			DC-2	Elevation (m)
				20	40	60		
50	- water bearing fracture zone QUARTZ SANDSTONE							601.0
								600.0
								599.0
								598.0
								597.0
								596.0
								595.0
								594.0
								593.0
								592.0
								591.0
								590.0
								589.0
								588.0
								587.0
								586.0
								585.0
								584.0
								583.0
								582.0
								581.0
								580.0
								579.0
								578.0
								577.0
								576.0
								575.0
								574.0
								573.0
								572.0
								571.0
								570.0
								569.0
								568.0
								567.0
								566.0
								565.0
								564.0
								563.0
								562.0
								561.0
								560.0
								559.0
								558.0
								557.0
								556.0
								555.0
								554.0
								553.0
								552.0
100								

 TETRA TECH EBA	LOGGED BY: XXXXXXXXXX	COMPLETION DEPTH: 122.53 m
	REVIEWED BY: XXXXXXXXXX	COMPLETE: 14/01/11
	DRAWING NO:	Page 2 of 3

DC-2 WELL COMPLETION AND AWPP		YUKON GOVERNMENT		PROJECT NO. - BOREHOLE NO.	
		DRILL: AIR ROTARY		ENVH2003020-01-DC-2	
DEEP CREEK, YUKON		6770522.59N 488349.79E Zone 8		ELEVATION: 651.06 m	
SAMPLE TYPE DISTURBED NO RECOVERY SPT A-CASING SHELBY TUBE CORE					
BACKFILL TYPE BENTONITE PEA GRAVEL SLOUGH GROUT DRILL CUTTINGS SAND					

Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	MOISTURE CONTENT	<div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <div> PLASTIC M.C. LIQUID <div style="width: 100px; border-bottom: 1px solid black; position: relative;"> 20 40 60 80 </div> </div> <div> STANDARD PENETRATION (N) ■ 20 40 60 80 UNC. COMPRESSIVE STRENGTH (kPa) ◆ 50 100 150 200 POCKET PEN. (kPa) ▲ 100 200 300 400 </div> </div>	DC-2	Elevation (m)
100	- disseminated pyrite					551.0
110	- water bearing fracture zone					550.0
						549.0
						548.0
						547.0
						546.0
						545.0
						544.0
						543.0
						542.0
						541.0
						540.0
						539.0
						538.0
						537.0
						536.0
						535.0
						534.0
						533.0
						532.0
120						531.0
						530.0
						529.0
						528.0
	END OF BOREHOLE (122.53 metres) water - 6.70 metres on January 18, 2014 A 127 mm diameter PVC liner was installed to a depth of 122.53 metres					527.0
						526.0
						525.0
						524.0
						523.0
						522.0
						521.0
						520.0
						519.0
						518.0
						517.0
						516.0
						515.0
						514.0
						513.0
						512.0
						511.0
						510.0
						509.0
						508.0
						507.0
						506.0
						505.0
						504.0
						503.0
150						502.0

LOGGED BY: XXXXXXXXXX

DRAWING NO: XXXXXXXXXX

COMPLETION DEPTH: 122.53 m

COMPLETE: 14/01/11

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