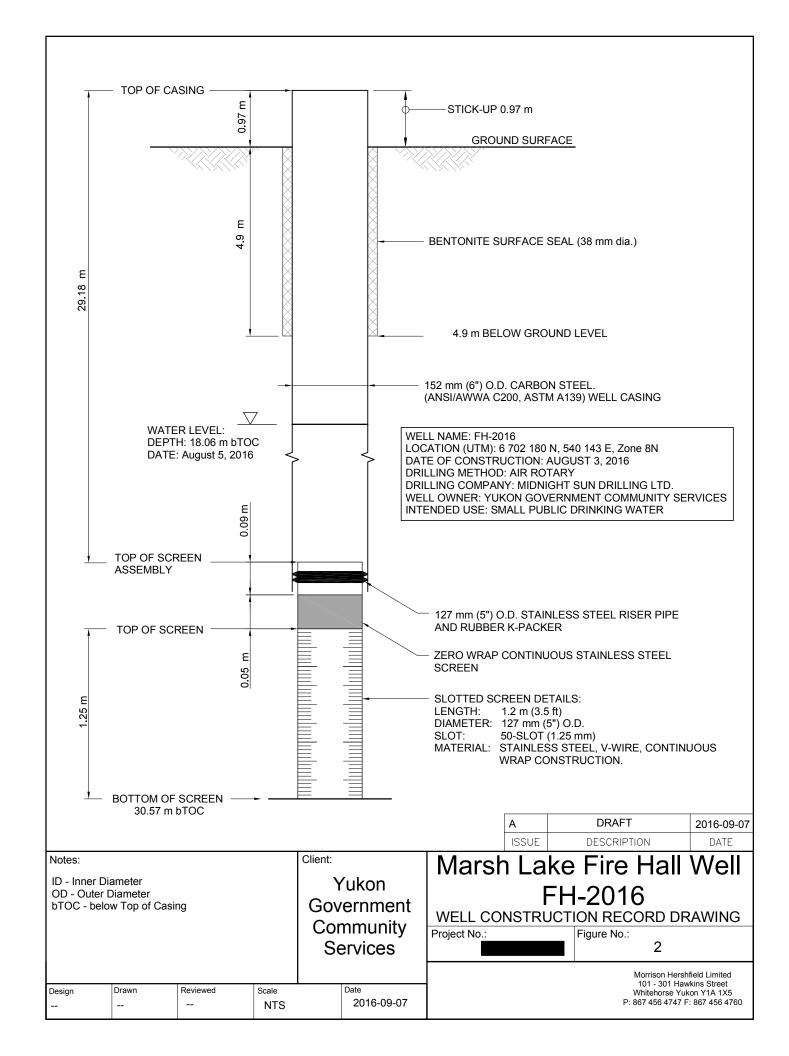
PR	OJEC.	T: Ma	arst	n Lake Firehall Well		CLIENT:	Yukon Gove	rnment Com	muni	ty Se	rvices	TESTHOLE N	O: FH-2016	
LOCATION: Marsh Lake Firehall UTM N 2,042,824.5 E 164,635.6									PROJECT NO	.:				
СО	NTRA	CTOF	₹:	Midnight Sun Drilling Lt	td.	METHO	D: Air Rotary					ELEVATION (r	m):	
SAN	1PLE :	TYPE		GRAB	SHELBY :	TUBE	SPLIT SPO	ON 🔲 B	ULK			NO RECOVERY	CORE	
BAC	KFILL	_ TYP	Ε	BENTONITE	GRAVEL		SLOUGH	 (ROU	Т		CUTTINGS	SAND	
DEPTH (m)	WELL	SOIL SYMBOL			SOIL DES	CRIPTI	ION		SAMPLE TYPE	SAMPLE #		COMMENTS		DEPTH (m)
GINT-2016-08-16-MARSH LAKE FIREHALL WELL BH LOG CL-5160766. GPJ AECOM BBY. GDT 16/08/16 minipummipummipummipummipummipummipummip				Brown SAND with GRAVEL, Brown SAND with GRAVEL, Brown SAND with trace GRA Brown SAND with SILT and Grey silty SAND, wet. Grey well graded GRAVEL w	dry, gravel sub-an			angular.		1 1 2 3 4 5 6 7 8 8 9 10 11 12 13 14 15 16	Static water (2016-08-0	r level = 18.1 m bel 8).	low top of casing	
08/F2/F3)	 - - - - -		7	Grey well graded GRAVEL w	vith SAND, wet.					17 18 19 20 21 22 23 24	Johnson we Slot Size: 5 Borehole te	n Details: long stainless stee ell screen with rubb :0-slot (1.3 mm) op rminated at 98 ft (2 face on 2016/08/03	oer k-packer en area. 29.9 m) below	
S 31								LOGGED BY:				COMBI ETIC	ON DEPTH: 98	
RO (m.		Morrison Hershfield . 301 Hawkins Street,				REVIEWED E					ON DATE: 03/08	/16
N EN ►	lorris			14/bitabaraa Vultan 1				PROJECT MA		SER:		J J J J J J J J J J J J J J J J J J J		age 1 of 1





Department of Environment
Water Resources Section V-310
Yukon Water Well Registry
Box 2703 Whitehorse, Yukon Y1A 2C6

Well ID:	
_	To be assigned by Dept. Of Environment

Well Record Page 1 of 2 **WATER WELL DRILLERS FORM**

Metric | Imperial

-	
- 2	
~1	
	X

Question can be directed	OMPLETING THE FORM provided at the bottom of this form on page to Water Resources at 867 667-3171. surements shall be reported to 0.1 m or 0.3	the drilling contractor.	olue or black ink. ssion of this form is the responsibility o or imperial units for all measurements.
WELL LOCATION AND	OWNER'S INFORMATION	A1 Well Name:	Optional (i.e. City Well No. 2)
	First Name	st Name Compa	**************************************
A2 Drilled For:	Sh Lake Rife	Hall	any / Department / Organization
A3 Street Address of We	Il Location:		Sketch of Well Location
A4 Town / Village / Area	/ Lot #:	in ske	tch, indicate distances from property line, septic field, fuel tank(s) and building. Please include North arrow.
A5 UTM Coordinates (us	sing handheld GPS): NAD 8 3	Zone	
	200		
Easting	Northing	g	
A6 Elevation of Top of C	asing:,m/ft ASL		
A7 Accuracy of GPS:	+/- m / ft		
A8 Purpose of Wells			
☐ Domestic ☐ ☐	Test Well Irrigation	☐ Environmental (Quality)
☐ Commercial ☐ N	Municipal Deservation - Water	Level Other (please id	
☐ Industrial ☐ A	Agricultural Public/Recreational		
LOG OF OVERBURDEN	AND BEDROCK MATERIALS (All dept	ths are below ground surface, circle app. 'trace' <10% (i.e. SILT trace gravel)	ropriate units, use descriptors provided)
ONLY redish, beig	grey, green, black, ge, olive, yellowish) COBBLES, BOULDERS, BEDROO	"some" 10-20% (i.e. SAND some gravel) "silty / sandy / gravely" 20-30% (i.e. silty SAN "and sand" or "and gravel" 35-50%	HARDNESS: soft / hard / very hard
Depth (m/ft)		trace gravel some silt	soft and saturated
B2 From B3 To	eral Colour B5 Most Common Material	B6 Secondary Materials	B7 General Description
0 60 6	rown Sand	Sill.	10ht. Soft.
72 98 6	Sand Fin	Silt.	With Soft
12 10 0	ret. Grown-	Sand Well	Wet- SOFT
		Gradid.	
38 Permafrost Encounte	red: NO YES If yes, indicated of	depth (m / ft): from: to:	
WELL CONSTRUCTION		20160803	Example: 2005 01 31
C1 Drilling Method Air	Washington and the second seco	Y Y Y M M D D	
	verse Air Rotary	Other (please specify) C2	Well Type: In what geological material is the water producing zone located?
	d Rotary Auger (Hollow / Sol	id Stem)	OVERBURDEN BEDROCK
Casing (depth below ground surfa	ce, please circle appropriate units)		C7 Other Comments Regarding Casing:
Outside Diameter (cm / in)	C4 Casing Material C5 Casing Wall Thi Steel [Plastic] C5 Casing Wall Thi	C6 Casing Depth to:	Casing:
	Other		

Signature of Well Owner

Surface / Environmental Se	al (depth below ground surface, please circle appropriate	units)		
AND TAKEN A DESCRIPTION OF THE STATE OF THE	9 Diameter of Seal: C10 Seal Depth from:	C11 Seal Depth to:	m(ft) C12 Vo	lume Placed:
Gravel Pack (depth below ground so	urface, please circle appropriate units)			
/	es, indicated depth (m / ft):	erial: (mm/inches) N	Material type:	
Well Screen Information (dep	th below ground surface, please circle appropriate units)	C17 Depth from: C18 De	(i.e. silica) pth to:	ilot Size / Perforation Dia
C14 Outside C15 Screen Ma Diameter Cm(in) Stainles Steel Plastic N/A Other	terial C16 Screen Type Screen 1	(m/ft) (m/ft)	(m/ft) [(m/ft) [(m/ft) [Thou./mm/inche Thou./mm/inche
Surge Block Water Jetting Air Jetting / Air Lifting Bailing	Head Completion D3 Well Head Stick-up (above ground surface)	(t) (below top of casing)	grade)	Yield Estimate (Lps/gpm)
D6 Final Well Status Water Supply (in use)	pened If well was Poor Quality	If YES, Indicate Date:	ommissioned YES NO	Estimate Well Yield Air Lifting Bailing Pumping Test (If lest conducted, complete Pumping Test Record)
PUMPING TEST RECORD AI (All depths below ground, circle appropriate E1 Pumping Test Information	ND GROUNDWATER QUALITY e units)	F1 Well Water Level I Drawdown Time Water Lev	Recov	ery
Pumping Test Start Date:	RECOMMENDATIONS	Time Water Lev (min) (m / ft)	rel Time (min)	Water Level (m / ft)
	Recomm. Pump Depth:	0 (SWL)	0 (FWL)	
YYYYMMDD	(m/ft)	1	1	
Static Water Level (SWL):	Recomm. Pumping Rate:	2	2	
(m / ft)	(Lps / gpm)	3	3	
oump Intake Set at:	le diameter and district	4	4	
(m / ft)	If flowing, provide rate:	5	5	
Duration of pumping:	(Lps/gpm)	10	10	
hrs min		15	15	
inal Water Level (FWL)		20	20	
t end of Pumping Test:		25	25	
(m / ft)		30	30	
1 GROUNDWATER QUALITY		40	40	
ield Data	Turbidity/Sand Content	50	50	
Date Measurements Taken:	☐ Clear	60	60	
	☐ Slightly turbid/cloudy	Bacteria Testing	00	
YYYYMMDD	☐ Moderately turbid/cloudy	Was a sample taken?	YES NO	If yes, indicate the
electrical Conductivity: uS	☐ Turbid/cloudy	Date Sample Taken:		name of the laboratory.
pH:	☐ Trace sand present	YYYYM		
Temperature: C	☐ No sand present	Y Y Y M Chemical Analysis of Wa	M D D	
Froundwater Type	Well Disinfection	Was a sample taken?		W
☐ Salty	Was the well disinfected upon completion	Date Sample Taken:	1120 1110	If yes, indicate the name of the laboratory.
☐ Sulphur / Egg Odour	of the pump installation? ☐ YES ☐ NO			
Organic Taste / Odour	Briefly describe method of well disinfection.	YYYYM	M D D	
☐ Metallic Taste				
Other:				
VELL CONTRACTOR		00110111 = 11		
	vany: Mid wast Sud Maille	CONSULTANT (If applied	cable)	
2 Name of Driller(s):	THE SHAPE SH			
3 Address of Driller:		2 Company Address:	THE STATE OF	
		13 Report Reference:		
	YYYYMMDD	I 4 Report Date:	Y Y Y Y	M M D 2
DDITIONAL INCOME.	Date Submitted to Dept. Of Environme	nt		M M D D
ADDITIONAL INSTRUCTIONS pon completing this form, lease mail or fax it to:	Water Resources Section (V-310), Information and public database	ation contained on this form is collect Protection of Privacy (ATIPP) Act, S of well and ground water information	ection 29 (c) and v	vill be used to compile a
lease feel from to sente at	Whitehorse, Yukon, Canada Y1A 2C6 1-800-661-0408	rology, Water Hesources at (867) 66 Ext 3223.	7-3223, toll free w	ithin Yukon
lease feel free to contact us at: hone: (867) 667-3171, Toll free (in Yukon):		above clause and		