

STATE OF ALASKA 72075 DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Starte	d: <u>10 / 11</u>	/_2017_	Comple	oleted: 10 / 16 / 2017 Pump Install://						
City/Borough Subdivis		rision Block		Lot Property Owner Name & Address						
				Village Safe Water - City Of Teller AK,						
Well location: Latitude 65.2										
Meridian <u>K</u> Townsh	nip <u>003S</u> Ran	ge <u>037W</u>	_ Section	n <u>08 , NE 1/4 of SE 1/4 of NE 1/4 of NE 1/4</u>						
BOREHOLE DATA : (from gr				<u>Drilling method:</u> ■Air rotary, Cable tool, Other						
Suggest T.M. Hanna's hydrogen https://my.ngwa.org/NC Production				Well use: ■Public supply, □Domestic, □Reinjection, □Hydrofracking						
nttps://my.ngwa.org/NCFloud	ct:iu=a 1000000		pth	☐ Commercial, ☐ Observation/Monitoring, ☐ Test/Exploratory, ☐ Cooling,						
		From	<u>To</u>	☐ Irrigation/Agriculture, ☐ Grounding, ☐ Recharge/Aquifer Storage,						
Pad fill		0	2	☐ Heating, ☐ Geothermal Exploration, ☐ Other						
Gravel: frozen, silty		2	5	Fluids used:						
Gravel: silty, damp, gre	ey to black	5	15	Depth of hole: 29 ft Casing stickup: 3 ft						
Water gravel: medium, very s	silty, 5-10gpm	15	22	Casing type: A53B Steel Casing thickness: 0.375 inches Casing diameter: 12 inches Casing depth: 23.5 ft						
Water gravel: medium to coars	se, 30-50gpm	22	26	Liner type: Depth: ft Diameter:inches						
Bedrock: very fractured, water bearing, bla		-	29	Note:						
				Well intake opening type: ☐ Open end,☐Open hole, ☐Other screened						
				Screen type: Stainless steel, Screen mesh size: 0.03						
				Screen start: 23.7 ft, Screen stop: 29 ft, Perforated Yes No						
				Perforation description: Perf from: ft, Perf						
				to:ft, Perf from: ft, Perf to:ft						
				Gravel packed ☐Yes ■ No Gravel start: ft , Gravel stop: ft						
				Note: Static water (from top of casing): 8.5 ft on/ Artesian well						
				_						
				Pumping level & yield: 3.57 feet after 24 hours at 100 gpm Method of testing:						
				Development method: Air surge Duration:						
				Recovery rate: gpm						
				Grout type: Volume						
				Depth: Fromft, Toft						
Include description or sketch of v buildings, etc.):	well location (ind	clude road	I names,	Final pump intake depth:ft Model:						
buildings, etc.).				Pump size: hp Brand name:						
				Was well disinfected upon completion?						
				Method of disinfection:						
				Was water quality tested? Yes No						
				Water quality parameters tested:						
				Well driller name:						
				Company name: M-W DRILLING INC						
				Mailing address:						
			North	City: State: AK Zip:						
AS 41.08.020(b)(4) and AAC 11	AAC 93.140(a)) require t	hat a	Phone number: ()						
copy of the well log be submitted	d to the Departr	nent of Na	atural	Driller's signature:						
Resources within 45 days of we be submitted using the online we			may	Date://						
available at:	oog . op og	0,010		Anchorage Municipal Code 15.55.060(I) and North Pole Ordinance 13.32.030(D) require that a copy of this well log be submitted to the Development Services Department/City						
https://dnr.alaska.gov/wel	te/			within 30 days of well completion.						
				City Permit Number:						
OR email electronic well logs to				City Permit Number: Date of Issue:/						
dnr.water.reports@alaska	a.gov			Parcel Identification Number:						

M-W Drilling, Inc.

◆P.O. Box 110389 ◆ Anchorage, AK 99511 ◆
 ◆907-345-4000 ◆ 907-345-3287 Fax ◆

Job No. 17-123-2 City Well #2

GROUNDWATER WELL LOG

Well Owner: Legal Description:	Section 8, To			West, Kate	Use of Well: Public eel River Meridian, Cape Nome Recording District			
			CONSTR	RUCTION				
Orill Method: Air Ro	tary		ı	Hole Size:	12"	Hole Depth:	32'	
Casing Size: 12"		Cased to:	26.54'	Material:	A53B	Wall:		
Well Completion:	Open end	Scre	en X	Perforate	d	Method:		
steel plate welded to	bottom of so	creen				0.030, slot well screen	-1100/100/100/200	
	onite, 16" cas		asing installed	to 10 , anni	ulus betwee	n 16" & 12" casing grou	ited with	
Well Development:	Air Surge							
Well Disinfected:	No M	ethod:					207	
field test at 100	GPM for	24	hour(s) with	3.57'	of drav	down (DD) from static	level(SWL).	
Method: 5HP subm	ersible pump			St		Level (SWL): 8.5'	,	
Start Date:	10/11/2017		Com		t e : 10/16/			
est Pump Date:	10/13/2017			install Dat				

WELL LOG

Depth in feet from top of casing.			Details of formations penetrated, size of material, color and miscellaneous details.						
0	ТО	3	Casing Stick Up						
3	TO	5	Pad fill						
5	TO	8	Gravel: frozen, silty						
8	TO	18	Gravel: silty, damp, grey to black						
18	TO	25	Water gravel: medium, very silty, 5-10 GPM						
25	TO	29.5	Water gravel: medium to coarse, 30-50 GPM						
29.5	TO	32	Bedrock: very fractured, water bearing, black rock, 30-50 GPM						
	TO								
	ТО	THE PART OF THE PA							
	TO	that and a state or the commerce and a group of the state							
WIPPER WATER COMMISSION OF THE PARTY OF THE	TO	TOTTE BOOK TO BE TO STANDARD SHEET AND THE CONTROL							
1967-994 (1964-996 II) II han Yadi aray in yangaringa n	TO	d o Main Anna Aige Page New 1944 - 1984 I Standage graps gave gave gave	WAYNE E. WESTBERG						
	TO	00 - 1	President, M-W Dritting, Inc. NGWA Certified Master Groundwater Contractor						
THE STATE OF THE S	ТО	nd an a trace arms many many specimensages gaps gap of 51 - 450 - 5 at	Ak Gen Contr Lic No 1000						
reffective for the dealer terms and	ТО	and a side community of property stress and assert of							
Estamation for discharge distribution	TO								

M-W Drilling, Inc. MONITOR REPORT

Sheet 1 of 2 1
Date: 10-13-17

Conducted By: M-W DVICLIMS M-W Job No. 17-123-2 Owner: USW/CITY OF TELLE Address: Well Location: WELL #2 Well Information: Total Depth: 32-Depth of Casing: 26.57 Screen: From 32.0 To 26. Casing Size: 10 = Screen Diameter: 12 * Screen Slot: 0.030 Remarks: Pump Information: Intake depth: 23 Pump Size: 5 Water Level Meas.: _ Static water level: § . 5 Avg. discharge: ____ GPM, max, drawdown: ___ Misc. Pump Info.: Pump On: Date: 10-13 Time: 1711 Mtr. Reading: Pump Off: Date: 10-14 Time: 1711 Mtr. Reading:

Time		Water	Flow	Remarks	Time		Mahan		
Clock	Elpsd	Level	GPM	Homa No	Clock	Elpsd	Water Level	Flow GPM	Remarks
1711		8.5	100		0200		11.71	100	
12		11.31	100		0300		11.73	100	
63		11-42	100		0400		11.75	100	
14		11.59	100	e e	0500		11.34	100	
15		11.50	100		0600		11.84	100	
623)		11-51	100		0700	· · · · · ·	11-87		
100		11-51	100		0800		11.90	100	
830		11.51	100		0900		11.92	100	
9		11.54	100		9000		11.91	100	
20		11.56	100		1100		11.96	100	
25		11.51	100		1200		11.99	100	
30		11.52	100		1300		12.04	100	
45		11.53	100		1406		15.06	100	
800		11.55	100		1500		12.06	100	
830		11.57	100		1600		2.06	100	
900		11-61	100		1700		12.06	100.	
000		11.61	100		1711		12.07	100	C1 . 1 S
400		11.62	(00		12		9.02	(00	Shut Pump OFF, Recova
200		11.62	100		13				Ott, Recova
2300		11.65	100		14		8.93		
2406		11.68	100		15		8.86		
2100		11.68	100		20				
		0			30		8.61		