

STATE OF ALASKA 31593 DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Start	ed:/		eted: _ 7 _ / _ 15 _ / _ 2005 _ Pump Install: /		
City/Borough	Subdivision	Block	Lot Property Owner Name & Address		
Matanuska-Susitna Borough	VILLAGE HEIG	HTS	CITY OF WASILLA, VILLAGE HEIGHTS,		
Well location: Latitude 61.			Longitude <u>-149.421463</u>		
Meridian S Towns	ship <u>017N</u> Range ₋	001W Section	on 10 , NE 1/4 of NE 1/4 of NE 1/4 of SE 1/4		
BOREHOLE DATA: (from ground surface) Suggest T.M. Hanna's hydrogeologic classification system* https://my.ngwa.org/NC Product?id=a185000000BYub3AAD			Drilling method: ☐Air rotary, ☐Cable tool, ☐Other Well use: ☐Public supply, ☐Domestic, ☐Reinjection, ☐Hydrofracking ☐Commercial, ☐Observation/Monitoring, ☐Test/Exploratory, ☐Cooling,		
	F	Depth rom To	☐ Irrigation/Agriculture, ☐ Grounding, ☐ Recharge/Aquifer Storage,		
			Heating, Geothermal Exploration, Other		
			Fluids used:		
			Depth of hole: 304 ft Casing stickup:ft		
			Casing type: inches		
			Casing diameter: inches Casing depth: ft		
			Liner type: Depth: ft Diameter:inches		
			Note: CASED WITH SCREEN 173 - 183.25 FT		
			Well intake opening type: ☐ Open end,☐Open hole, ☐Other screened		
			Screen type:, Screen mesh size:		
			Screen start: ft, Screen stop: 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): 99.25 ft on / Artesian well		
			Pumping level & yield: feet after hours at 302 gpm		
			Method of testing:		
			Development method: Duration:		
			Recovery rate: gpm		
			Grout type: Volume		
Include description or elected of	i wall lagation (includ	2 7000 20000	Depth: Fromft, Toft		
Include description or sketch of buildings, etc.):	well location (includ	e road names,	Final pump intake depth: ft Model:		
3 · ,			Pump size: hp Brand name:		
			Was well disinfected upon completion? ☐ Yes ■ No		
			Method of disinfection:		
			Was water quality tested? ■ No		
			Water quality parameters tested:		
			Well driller name: WAYNE WESTBERG		
			Company name: M-W DRILLING Mailing address: PO BOX 110378		
A					
North			Phone number: (907) 945 - 3287		
AS 41.08.020(b)(4) and AAC 11 AAC 93.140(a) require that a copy of the well log be submitted to the Department of Natural Resources within 45 days of well completion . Well logs may be submitted using the online well log reporting system available at:			Driller's signature:		
			Date:/		
			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 within 30 days of well completion.		
https://dnr.alaska.gov/welts/					
OR email electronic well logs to			City Permit Number: Date of Issue://		
dnr.water.reports@alaska.gov			Parcel Identification Number:		

M-W Drilling, Inc.

•P.O. Box 110378 • Anchorage, AK 99511 • +907-345-4000 + 907-345-3287 Fax+

Job No.: <u>05-122</u>	Parcel No.:	N/A		Permit No. N/A			
	<u>Groundwa</u>	ter Well A	s-Built & L	<u>og</u>			
♦ Well Owner:	City of Wa	silla	◆ Use of	Well: Class A Public			
◆ Legal Description:		illage Heights Subdivision, Tract D-situated in the center of the Tract bryath Drive- Wasilla, Alaska					
Construction							
<u> </u>	04' ◆ Casing Size:		sed To: 173'	◆ Material: A 53 Steel			
♦ Well Completion-			Perforated	Perf. Method:			
◆ Screen/ Perforation description: K-packer & 7" Riser: 169.36 to 173'; 0.020" Slot SSS to							
183.25'; 7" Blank and Plate bottom to 193.27' ◆ Grout Notes: 12" Surface casing installed to 20', pulled and grouted with (5) Sacks- No. 8 bentonite granules							
◆As-Built Notes: 8" Casing cut at 191' and hole backfilled to 193' here screen assembly is set							
♦ Well Development: Method: Air surge Notes:							
♦ Static water level (SWL) 99.25' (above) (below) top of casing (TOC).							
♦ Well yield test at 302 gallons per minute (GPM)/ gallons per hour (GPH) for 5 hours with 27.03' of drawdown (DD) from static level (SWL).							
	Submersible Pump						
◆ Date of completion:	15 July 2005		♦ Pump Install				
+ Dute of completion.	15 14.7 2005		▼1 ump mstutt				

Well Log

E	Depth in feet from				DEDARTMENT OF			
		of casir		Details of formations penetrated, size of material, color and largings				
	0	TO	2	Casing stickup DIV. OF MINING, LAND &				
	2	TO	20	Silty sand: gravelly, cobbley				
	20_	TO	30	As above: less cobbles and gravelly silt DEU - 6 2005				
	30	TO	70	Gravelly silt: gray, damp OIRECTOR'S OFFICE				
	70	TO	97	Silty sand: gravelly ANCHORAGE				
	97	TO	115	Sandy gravel: wet WAYNE E. WESTBERG				
i	15	TO	127	As above: silt layers, wet	President, M - W Drilling, Inc.			
1.	27	TO	140	Silt: occasional cobbles	NGWA Certified Contractor ·			
1	40	TO	150	Sandy gravel: tight Certificate Nos. 199666 Gravel: wet Contractors License No. 1000				
1:	50	TO	155	Gravel: wet Contractors License No. 1000				
1:	55	TO	159	Gravel: tight, damp				
1:	59	TO	168	Silt				
10	58	TO	183	Water gravel				
13	33	TO	199	Gravelly silt: making little water				
14	9	TO	202	Silty gravel: more water				
20)2	TO	278	Silty sand: gravelly, less gravel after 220'				
2	78_	TO	304	Silt-stone				