

STATE OF ALASKA 54016 DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Start	ted: <u>7 / 2</u>	/ 2018	Compl	oleted: <u>7 / 3 / 2018</u> Pump Install://			
City/Borough	Subdivis	ion	Block	Lot Property Owner Name & Address			
Aleutians East Borough				Silver Bay Seafoods 4039 21st Ave W Ste 201 AK, 9819			
Well location: Latitude 54				Longitude -163.40921			
Meridian <u>S</u> Township <u>061S</u> Range <u>094W</u> Section <u>27</u> , <u>SW</u> 1/4 of <u>NW</u> 1/4 of <u>SW</u> 1/4 of <u>NW</u> 1/4							
BOREHOLE DATA: (from ground surface) Suggest T.M. Hanna's hydrogeologic classification system* https://my.ngwa.org/NC Product?id=a18500000BYub3AAD Depth From To							
Cobbley sandy gravel		0	18	Heating, Geothermal Exploration, Other			
Sandy silt		18	24	Fluids used:			
Silty gravelly sand		24	39	Depth of hole: <u>81</u> ft Casing stickup: <u>4</u> ft			
Silty sandy gravel (wat	ter)	39	67	Casing type: Steel Casing thickness: 0.25 inches Casing diameter: 8 inches Casing depth: 72.5 ft			
Cobbley gravelly silt	,	67	74	Liner type: Depth: ft Diameter:inches			
Cobbley sandy gravel		74	81	Note:			
Cobbley Salidy graver		74		Well intake opening type: Open end, Open hole, Other other			
				Screen type: Stainless steel, Screen mesh size: 60			
				Screen start: <u>72.5</u> ft, Screen stop: <u>80.5</u> ft, Perforated Yes No			
				Perforation description: Perf from: ft, Per			
				to:ft, Perf from: ft, Perf to: ft			
				Gravel packed Yes No Gravel start: ft , Gravel stop: ft			
				Static water (from top of casing): <u>11.1</u> ft on/Artesian well			
				Pumping level & yield: <u>15.5</u> feet after <u>24</u> hours at <u>307</u> gpm Method of testing: <u>pump</u> - see well log			
				Development method: Duration:			
				Recovery rate: gpm			
				Grout type: <u>bentonite granules</u> Volume <u>2 bags</u>			
la alvala, dagariatian, an alvatab, a	fuell le setien (in		-	Depth: From 0ft, To 10ft			
Include description or sketch of well location (include road names, buildings, etc.):							
				Pump size: 40 hp Brand name: Goulds			
				Was well disinfected upon completion? Yes No			
				Method of disinfection: Chlorine tablets			
				Was water quality tested?			
				Water quality parameters tested: <u>Bacteria and metals</u>			
				Company name: <u>ALPINE DRILLING AND ENTERPRISES</u>			
Neth				Mailing address: PO BOX 110496			
				City: ANCHORAGE State: AK Zin: 99511			
				Phone number: ()			
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				Driller's signature:			
				-			
be submitted using the online well log reporting system				Date:// Anchorage Municipal Code 15.55.060(I) and North Pole Ordinance 13.32.030(D) require			
available at:				that a copy of this well log be submitted to the Development Services Department/City			
https://dnr.alaska.gov/welts/				within 30 days of well completion .			
OR email electronic well logs to				City Permit Number: Date of Issue://			
dnr.water.reports@alaska.gov				Parcel Identification Number:			

*Guide for Using the Hydrogeologic Classification System for Logging Water Well Boreholes by Thomas M. Hanna NGWA Press



STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER

WATER WELL LOG

20000000000000000000000000000000000000	Drilling S	Started: 7	12	/ 18 Completed: 7 / 2 / 18 Pump Install:/_/		
City/Borough:	Subdivision:	Block	Lot	Property Owner Name & Address:		
Avetian East Bourough	N/A			SILVER BAY SEAFOODS 4039 21ST Ave. W Ste 201 Seattle, Wa 98199		
Latitude 54.86988	37 N	Longitu	de 163.40	912 W		
Meridian Seward	Township 615 F	the second data in the second data	Section	on <u>27</u> , <u>1/4 of 1/4 of 1/4 of 1/4 of 1/4</u>		
BOREHOLE DATA: (from ground surface) Suggest T.M. Hanna's hydrogeologic classification system * https://info.ngwa.org/servicecenter/shopper/ProductDetail.cfm? ProdCompanyPassed=ngw&ProdCdPassed=ngw-11030 Depth <u>From</u> To				Drilling method: Air rotary, Cable tool, Other Well use: Public supply, Domestic, Reinjection, Hydrofracking Fluids used:		
cobbly sandy	y gravel	0	18	Depth of hole: 81 ft, Casing stickup: 40 ft Casing type: steel Wall thickness 25 inches		
sandy silt		18	24	Casing diameter: 8 inches Casing depth 72.5 ft Liner type: Depth: ft Diameter: inches Well intake opening type: Open end, Open hole, Other		
silty gravelly sand		24	39			
silty sandy gravel (water)		39	67			
cobbly gravelly silt		67	74	Screen type: stell Assembly From: 72.5 ft, To 80.5 ft Slot size 60 From: 12.0 ft, To 80.5 ft		
cobbly sandy	gravel	74	81	Slot size 60 From: 12.0 ft, To 80.5 ft Slot size From: ft, To ft ft <t< td=""></t<>		
				Perforation description From: ft, To ft From: ft. To ft From: ft. To ft		
-	-			From: ft, To ft From: ft, To ft Gravel packed Yes No From ft, To ft		
Contraction (Section 2010)				Static water (from top of casing): 11.1 ft on /		
				Pumping level & yield: 15.6 feet after 24 hours at 307 gpm		
				Method of testing: pump Development method: Duration:		
				Grout type: benionite granules Volume 2 bas		
,						
				Final pump intake depth: TBD ft Model: 275H Pump size 40hp Brand name Goulds		
				Was well disinfected upon completion?		
				Method of disinfection: chlorine tablets		
		1 1		Was water quality tested? Yes No		
				Water quality parameters tested: bacteria and metals		
			-	Well driller name: Dallch, Harpen		
				Company name. Alpine Drilling & Enterprises		
				Mailing address: P.O. Box 110496		
		1		City: Anchorage State: AK Zip 99511		
AS 41.08.020(b)(4) and AAC 11 AAC 93.140(a) require that a copy of the well log be forwarded to the Department of Natural Resources within 45 days of well completion. Please email well logs to:				Phone number: (907) 345 - 0202 Driller's signature: Quint L. / Kuyun		
				Driller's signature: Date: 2 121 1 2019		
dnr.water.reports@alaska.gov OR send to				Anchorage Municipal Code 15.55.060(I) requires that a copy of this well log be forwarded to the Development Services Department within 30 days of well completion.		
Alaska DNR, MLW, Alaska Hydrologic Survey 550 West 7 th Avenue, Suite 1020 Anchorage, AK 99501				City Permit Number: Date of Issue://		
dan fan Lining tha i	Hudmanalogia Classificatio	n Suptam for	Logoine	Parcel Identification Number:		

* Guide for Using the Hydrogeologic Classification System for Logging Water Well Boreholes by Thomas M. Hanna NGWA Press

Is well located at approved permit location? Yes No