

STATE OF ALASKA 36670 DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Start	ed: <u>5 / 13 /</u>	2013	Comple	eted: _ 5 / 22 / 2013 Pump Install://				
City/Borough	Subdivisi	on	Block	Lot Property Owner Name & Address				
Bristol Bay Borough				Silver Bay Seafoods AK,				
Well location: Latitude 58.7453957 Longitude -156.955475								
Meridian S Township 016S Range 046W Section 33 , SW 1/4 of NE 1/4 of NW 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				
Depth From To				☐ Commercial, ☐ Observation/Monitoring, ☐ Test/Exploratory, ☐ Cooling, ☐ Irrigation/Agriculture, ☐ Grounding, ☐ Recharge/Aquifer Storage,				
				☐ Heating, ☐ Geothermal Exploration, ☐ Other				
				Fluids used:				
				Depth of hole: 262 ft Casing stickup: 3 ft				
				Casing type: Steel Casing thickness: 0.322 inches				
				Casing diameter: 6 inches Casing depth: 252 ft				
				Liner type: Depth: ft Diameter:inches				
				Note:				
				Well intake opening type: ☐ Open end, ☐ Open hole, ☐ Other screened				
				Screen type: Stainless Steel, Screen mesh size: 0.06				
				Screen start: 252 ft, Screen stop: 262 ft, Perforated Yes No Perforation description: 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): 62 ft on 10 /2 / 2013 Artesian well				
				Pumping level & yield: 160 feet after 2 hours at 435 gpm				
				Method of testing:				
				Development method: Duration:				
				Recovery rate: gpm				
				Grout type: Bentonite Volume 10 Bags				
Include description or sketch of	well location (inc	lude road	names	Depth: Fromft, To 20ft				
Include description or sketch of well location (include road names, buildings, etc.):				Final pump intake depth: 210 ft Model:				
				Pump size: 30 hp Brand name:				
				Was well disinfected upon completion? ■ Yes No				
				Method of disinfection: Sodium Hypochlorite 50+ ppm				
				Was water quality tested? Yes ■ No				
				Water quality parameters tested:				
				vveil driller name:				
				Company name: Johnson Drilling Co. Mailing address:				
^				City: State: <u>AK</u> Zip:				
North				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: https://dnr.alaska.gov/welts/				that a copy of this well log be submitted to the Development Services Department/City 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:				



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

WATER WELL LOG

City/Borough:	Subdivision:	Bloc	* L	Property Owner Name & Address:
Naknek				Silver Bay Seafoods Well #3
Latitude 58° 41' 42.	fourable B	Longh	tude 150	7 57 18.53°W Ction 1/4 of 1/4 of 1/4 of 1/4
Suggest T.M. Hanni https://info.ngwa.org	[A: (from ground surfa a's hydrogeologic classif //servicecenter/shopper/ ad=now&ProdCdPassed	sce) ication sy: ProductDe =ngw-t10:	stem *	Drilling method: Air rotary, Cable tool, Other Well use: Public supply Domestic Desiriection Hydrotracking
Fine Brown Sand		0 -	25	Depth of hole: 262 ft, Casing stickup: 3 ft
Medium Brown Sand, Wet		25 -	30	Casing type; Steel Wall thickness .322 inches Casing diameter: 8 inches Casing depth 252 ft
Medium Sand and Gravel, Wet		30 -	35	Liner type: none Depth: ft Diameter: inches
Silty Sand and Gravel		35 -	50	Well intake opening type: Open end, Open hole, Other
Clay, Gravel and Sand Mixed		50 -	70	Screen type: Stateless Steel Assembly From: 252 ft, To 262 Slot size 60 From: 252 ft, To 262 ft
		70 -	110	Slot size From: ft, To ft
Clay and Large Rocks		110 -	120	Perforation description From: ft, To From: ft, To ft From: ft, To
Medium Gravel and Sand, Dry		120 -	130	Gravel packed Yes No From ft To ft Static water (from top of casing): 62 ft on 10 /2 /2013
Clayey Sand and gravel		130 -	150	Static water (from top of casing): 62 ft on 10 /2 /2013 Pumping level & yield: 160 feet after 2 hours at 435 gpm
		150 -	180	Method of testing: Submersible Pump 30 HP
Mixed Sand, Gravel, and Clay		180 -	210	Development method: Ar Surpe Duration: 8 Hm Recovery rate: 3 min gpm
Mixed Sand, Gravel, and Clay		210 -	230	Grouf type: Standing Bentonitie Column Volume 10 bags
		230 -	235	Depth: From Surface ft, To 20 ft
		235 -	245	Final pump intake depth: 210 ft Model: 7CLC 3Stage Goulds Pump size 30 hp Brand name Groundfos Motor
Coarse Sand a	nd Gravel	245 -	262	Was well disinfected upon completion? Yes No Method of disinfection: Sodium Hypochiorite 50+ PPM Was water quality tested? Yes No Water quality parameters tested: PRWA + Amenic
	and AAC 11 AAC 93		equire	Well driller name: Stevs Thomes Company name: Johnson Dveling Co. Mailing address: 3706 Arctic #4 12 City: Anchorage State: AK Zip 99503 Phone number: (907) 250 5051
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: dnr,water.reports@alaska.gov OR send to Alaska DNR, Mt.W, Alaska Hydrologic Survey 550 West 7th Avenue, Suite 1020 Anchorage, AK 99501				Driller's signature: Date: 6 / 10 / 2013 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. City Permit Number: Date of Issue: //