



STATE OF ALASKA 85096
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER
Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Started: 6 / 20 / 2018 Completed: 6 / 26 / 2018 Pump Install: 8 / 8 / 2018

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Bristol Bay Borough				Silver Bay Seafoods ,

Well location: Latitude 58.744782999999984 Longitude -156.955929
Meridian S Township 016S Range 046W Section 33 , NW 1/4 of SE 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

	Depth	
	From	To
fine brown sand	0	25
brown, wet silty sand	25	30
wet, brown sand and gravel	30	35
clay, sand, and gravel	35	40
clay and gravel mixed	40	71
medium gravel and sand	71	80
coarse gravel and sand	80	100
clay and gravel mixed	100	130
clay and sand	130	140
mixed gravel and sand	140	150
coarse sand and gravel	150	175
silty sand	175	190
silty sand and gravel	190	210
clay, sand and gravel	210	230
fine black sand, water	230	240
coarse sand and gravel	240	258

Include description or sketch of well location (include road names, buildings, etc.):

Drilling method: ☒ Air rotary, ☐ Cable tool, ☐ Other
Well use: ☐ Public supply, ☐ Domestic, ☐ Reinjection, ☐ Hydrofracking
☒ Commercial, ☐ Observation/Monitoring, ☐ Test/Exploratory, ☐ Cooling,
☐ Irrigation/Agriculture, ☐ Grounding, ☐ Recharge/Aquifer Storage,
☐ Heating, ☐ Geothermal Exploration, ☐ Other

Fluids used: _____

Depth of hole: 258 ft Casing stickup: 4 ft

Casing type: Steel Casing thickness: .322 inches

Casing diameter: 8 inches Casing depth: 243 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: 30

Screen start: 243 ft, Screen stop: 258 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): 62 ft on 8 / 8 / 2018 Artesian well ☐

Pumping level & yield: 139 feet after 2 hours at 420 gpm

Method of testing: submersible pump

Development method: air surge Duration: 10

Recovery rate: _____ gpm

Grout type: standing bentonite column Volume 6.3ft3

Depth: From 0 ft, To 20 ft

Final pump intake depth: 209 ft Model: 7CLC 3 STAGE

Pump size: 30 hp Brand name: GOULDS

Was well disinfected upon completion? ☒ Yes ☐ No

Method of disinfection: sodium hypochlorite 50ppm

Was water quality tested? ☐ Yes ☒ No

Water quality parameters tested: _____

Well driller name: _____

Company name: JOHNSON DRILLING COMPANY

Mailing address: _____

City: _____ State: AK Zip: _____

Phone number: () -

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.

City Permit Number: _____

Date of Issue: / /

Parcel Identification 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 be submitted using the online well log reporting system available at:

<https://dnr.alaska.gov/welts/>

OR email electronic well logs to

dnr.water.reports@alaska.gov



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Drilling Started: 06 / 20 / 2018		Completed: 06 / 26 / 2018		Pump Install: 8 / 8 / 2018	
City/Borough	Subdivision	Block	Lot	Property Owner Name & Address	
Naknek/ Bristol Bay				Silver Bay Seafoods Well # 4	
Well location: Latitude 58 44' 40" N		Longitude 156 57' 21" W			
Meridian		Township	Range	Section	1/4 of 1/4 of 1/4 of 1/4
BOREHOLE DATA: (from ground surface) Suggest T.M. Hanna's hydrogeologic classification system* https://my.ngwa.org/NC_Product?id=a185000008Yub3AAD					
		Depth		Drilling method: ☒ Air rotary, ☐ Cable tool, ☐ Other	
		From	To	Well use: ☐ Public supply, ☐ Domestic, ☐ ReInjection, ☐ Hydrofracking	
Fine Brown Sand	0	25	☒ Commercial, ☐ Observation/Monitoring, ☐ Test/Exploratory, ☐ Cooling,		
Brown, Wet Silty Sand	25	30	☐ Irrigation/Agriculture, ☐ Grounding, ☐ Recharge/Aquifer Storage,		
Wet, Brown Sand and Gravel	30	35	☐ Heating, ☐ Geothermal Exploration, ☐ Other		
Clay, Sand, & Gravel	35	40	Fluids used: Air		
Clay and Gravel Mixed	40	71	Depth of hole: 258 ft Casing stickup: 4 ft		
Medium Gravel and Sand	71	80	Casing type: Steel Casing thickness: .322 inches		
Coarse Gravel and Sand	80	100	Casing diameter: 8" inches Casing depth: 243 ft		
Clay & Gravel Mixed	100	130	Liner type: none Depth: ft Diameter: inches		
Clay & Sand	130	140	Note:		
Mixed Gravel & Sand	140	150	Well intake opening type: ☐ Open end, ☐ Open hole, ☐ Other		
Coarse Sand & Gravel	150	175	Screen type: Stainless Steel, Screen mesh size: 30		
Silty Sand	175	190	Screen start: 243 ft, Screen stop: 258 ft, Perforated ☐ Yes ☐ No		
Silty Sand & Gravel	190	210	Perforation description: Perf from: ft, Perf to: ft, Perf from: ft, Perf to: ft		
Clay, Sand & Gravel	210	230	Gravel packed ☐ Yes ☐ No Gravel start: ft, Gravel stop: ft		
Fine Black Sand, WATER	230	240	Note:		
Coarse Sand & Gravel	240	258	Static water (from top of casing): 62 ft on 8 / 8 / 2018 Artesian well ☐		
			Pumping level & yield: 139 feet after 2 hours at 420 gpm		
			Method of testing: Submersible Pump 30hp		
			Development method: Air Surge Duration: 10 hrs		
			Recovery rate: 3 min gpm		
			Grout type: Standing Bentonite Column Volume 6.3 Cubic Feet		
			Depth: From Surface ft, To 20 ft		
Include description or sketch of well location (include road names, buildings, etc.):					
			Final pump intake depth: 209 ft Model: 7CLC 3 Stage Goulds		
			Pump size: 30 hp Brand name: Grundfos Motor		
			Was well disinfected upon completion? ☒ Yes ☐ No		
			Method of disinfection: Sodium Hypochlorite 50+ PPM		
			Was water quality tested? ☒ Yes ☐ No		
			Water quality parameters tested: PWA + Arsenic		
Well driller name: Nick Thomas					
Company name: Johnson Drilling Company					
Mailing address: 3705 Arctic Blvd #412					
City: Anchorage State: AK Zip: 99503					
Phone number: (907) 250-5051					
Driller's signature: [Signature]					
Date: 8 / 8 / 2018					
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.					
City Permit Number: _____					
Date of Issue: ____/____/____					
Parcel Identification Number: _____					

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Silver Bay Seafoods (Naknek) Aerial Map



10/4/2024, 10:43:08 AM

DNR Well Log - WELTS

★ Estimated Well Location

● Actual Well Location

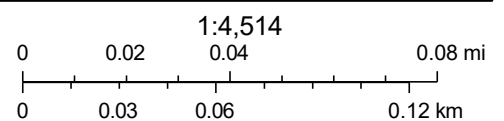
Plss township clip

Plss section clip

Survey Boundary - Polygon

AWC Regions

Southwest



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, IGN, and the GIS User Community, Bristol Bay Borough, State of Alaska, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph,

DMLW Water Section
Alaska Department of Natural Resources