



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

WATER WELL LOG Revised 08/18/2016

Drilling Started: 06 / 20 / 2018 Completed: 06 / 26 / 2018 Pump Install: 8 / 8 / 2018

City/Borough Naknek/ Bristol Bay	Subdivision	Block	Lot	Property Owner Name & Address 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	
	From	To
Fine Brown Sand	0 -	25
Brown, Wet Silty Sand	25 -	30
Wet, Brown Sand and Gravel	30 -	35
Clay, Sand, & Gravel	35 -	40
Clay and Gravel Mixed	40 -	71
Medium Gravel and Sand	71 -	80
Coarse Gravel and Sand	80 -	100
Clay & Gravel Mixed	100 -	130
Clay & Sand	130 -	140
Mixed Gravel & Sand	140 -	150
Coarse Sand & Gravel	150 -	175
Silty Sand	175 -	190
Silty Sand & Gravel	190 -	210
Clay, Sand & Gravel	210 -	230
Fine Black Sand, WATER	230 -	240
Coarse Sand & Gravel	240 -	258

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: Air
 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: none Depth: _____ ft Diameter: _____ inches

Note: _____
 Well intake opening type: Open end, Open hole, Other _____
 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 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: _____
 Date: 8 / 8 / 2018

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/wells/>
 OR email electronic well logs to dnr.water.reports@alaska.gov

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: _____ - _____ - _____

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