



STATE OF ALASKA 85943
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER
Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Started: 7 / 6 / 2025 Completed: 7 / 16 / 2025 Pump Install: / /

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
	MERTARVIK TOWNSITE	5	1	Lake And Peninsula School District ,

Well location: Latitude 60.821111 Longitude -164.49777799999998
Meridian S Township 009N Range 086W Section 35 , NW 1/4 of SE 1/4 of SW 1/4 of SW 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
tundra and firm brown topsoil grading to gray clay	0	5
gray/black fractured basalt	5	18
reddish-tan paleosol, hardened	18	20
red-brown weathered basalt, some layers hard	20	50
grey-black non-vesicular basalt	50	55
red-black weathered basalt paleosol	55	57
variably weathered fractured basalt and porphyry - sometimes amygdoidal, some layers hard and c	57	97
yellow tan-gray silty clay paleosol	97	100
highly fractured basalt, vesicular, unconsolidated in behavior	100	135
red paleosol	135	136
highly vesicular and highly fractured basalt	136	143

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: 143 ft Casing stickup: 2.5 ft

Casing type: steel Casing thickness: inches

Casing diameter: 6 inches Casing depth: 131 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: .040

Screen start: 131 ft, Screen stop: 141 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): 113.82 ft on 7 / 17 / 2025 Artesian well ☐

Pumping level & yield: 0.11 feet after 24 hours at 23.8 gpm

Method of testing: submersible pump

Development method: air Duration: _____

Recovery rate: gpm

Grout type: bentonite expandable grout Volume 30 ft³

Depth: From 2 ft, To 20 ft

Final pump intake depth: ft Model: _____

Pump size: hp Brand name: _____

Was well disinfected upon completion? ☒ Yes ☐ No

Method of disinfection: calcium hypochlorite 68% (diluted)

Was water quality tested? ☒ Yes ☐ No

Water quality parameters tested: 'Class A' Well constituents. Complete Analysis - post bacteria.

Well driller name: _____

Company name: ALPINE DRILLING

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

