



STATE OF ALASKA 68134
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER
Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Started: 6 / 28 / 2018 Completed: 7 / 12 / 2018 Pump Install: / /

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
				Fort Greely AK,

Well location: Latitude _____ Longitude _____
Meridian F _____ Township 011S Range 010E Section 23 _____ 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=a185000000BYub3AAD

	Depth	
	From	To
Gravel	0	80
Small sandy gravel with clay	80	100
Gravel, large	100	160
Hard gravel	160	300
Wet coarse gravel	300	320
Gravel and water - 50gpm estimated	320	340
Gravel, boulders and water - 100gpm estimated	340	360
Silty gravel and water - 300gpm estimated	360	380
Silty gravel and water - 400gpm estimated	380	400

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: 400 _____ ft Casing stickup: 2 _____ ft

Casing type: Steel _____ Casing thickness: .25 _____ inches

Casing diameter: 8 _____ inches Casing depth: _____ ft

Liner type: _____ Depth: _____ ft Diameter: _____ inches

Note: _____

Well intake opening type: ☒ Open end, ☐ Open hole, ☐ Other open end

Screen type: _____, Screen mesh size: _____

Screen start: _____ ft, Screen stop: _____ 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): 300 _____ ft on 7 / 3 / 2018 Artesian well ☐

Pumping level & yield: 400 _____ feet after 1 _____ hours at 400 _____ gpm

Method of testing: Air lift

Development method: Air surge _____ Duration: 1.5 hours

Recovery rate: 400 _____ gpm

Grout type: Bentonite _____ Volume 2 ft^3 _____

Depth: From 0 _____ ft, To 20 _____ ft

Final pump intake depth: 380 _____ ft Model: _____

Pump size: 40 _____ hp Brand name: National

Was well disinfected upon completion? ☐ Yes ☒ No

Method of disinfection: _____

Was water quality tested? ☐ Yes ☒ No

Water quality parameters tested: _____

Well driller name: _____

Company name: ARCTIC DRILLING INC.

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