60845

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

WATER WELL LOG
Revised 08/18/2016

Drilling Started: 9 / 1 / 2019 Completed: 9 / 9 / 2019 Pump Install: 9 / 10 / 2019

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Fairbanks North Star Borough	1N 1E	18	1847	Erick Hill 1430 McGrath Rd. AK, 99712

Well location: Latitude 64.9081497 **Longitude** -147.628036

Meridian F Township 001N Range 001E Section 18 , NE 1/4 of SE 1/4 of SE 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	Depth To
Silt	0	5
Decomposed Schift	5	80
Grey Rock	80	185
Moisture/ Grey Rock	185	210
Grey Rock Water	210	220
Grey Rock	220	230

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

North

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: 230 ft Casing stickup: 2 ft

Casing type: Steel Casing thickness: 0.25 inches

Casing diameter: _____ inches Casing depth: 40 ft

Liner type: Steel Depth: 225 ft Diameter: 5.5 inches

Note: _____

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

Screen type: _____, Screen mesh size: _____

Screen start: _____ ft, Screen stop: _____ ft, Perforated ☒ Yes ☐ No

Perforation description: Slotted Perf from: 228 ft, Perf to: 205 ft, Perf from: _____ ft, Perf to: _____ ft

Gravel packed ☐ Yes ☒ No Gravel start: _____ ft , Gravel stop: _____ ft

Note: _____

Static water (from top of casing): 41 ft on 9 / 11 / 2019 Artesian well ☐

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

Method of testing: _____

Development method: Air Duration: 7 Hours

Recovery rate: 5 gpm

Grout type: Bentonite Volume _____

Depth: From 0 ft, To 20 ft

Final pump intake depth: 217 ft Model: 5GS07412CL

Pump size: 0.75 hp Brand name: Goulds

Was well disinfected upon completion? ☒ Yes ☐ No

Method of disinfection: Chlorination

Was water quality tested? ☐ Yes ☒ No

Water quality parameters tested: _____

Well driller name: Michael King

Company name: Aurora Drilling LLC

Mailing address: 215 East Van Horn Rd.

City: Fairbanks State: AK Zip: 99701

Phone number: (907) 456 - 6712

Driller's signature: _____

Date: _____/_____/_____

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

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

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WATER WELL LOG Revised 08/18/2016

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City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
				Erick Hill

Well location: Latitude _____ **Longitude** _____

Meridian _____ Township _____ Range _____ Section _____ , _____ 1/4 of _____ 1/4 of _____ 1/4 of _____ 1/4

BOREHOLE DATA: (from ground surface)
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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: _____

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Casing type: Steel Casing thickness: 1/4 inches
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Method of testing: _____
Development method: air Duration: 7 hrs
Recovery rate: 5 gpm

Grout type: Bentonite Volume 1 Yd
Depth: From 0 ft, To 20 ft

Final pump intake depth: 217 ft Model: 5650 7412CL
Pump size: 3/4 hp Brand name: Goulds

Was well disinfected upon completion? ☑ Yes ☐ No
Method of disinfection: Chlorination
Was water quality tested? ☐ Yes ☑ No
Water quality parameters tested: _____

Well driller name: Derek Reim
Company name: Aurora Drilling
Mailing address: 215 Evan Hood Rd
City: Fairbanks State: AK Zip: 99701
Phone number: (907) 456 - 6712
Driller's signature: [signature]
Date: 9/10/2019

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