58734

# 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 / 14 / 2019 Completed: 9 / 15 / 2019 Pump Install: 10 / 2 / 2019

| City/Borough | Subdivision | Block | Lot | Property Owner Name & Address |
|---|---|---|---|---|
| Denali Borough | | | | David And D'shaynna Anderson Mi 249 Parks Hwy, Ranch Rd AK, 99743 |

**Well location: Latitude** 63.8687592 **Longitude** -149.046875

Meridian F Township 012S Range 008W Section 13 , NW 1/4 of SW 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 | Depth To |
|---|---|---|
| Silt | 0 | 2 |
| Glacial till | 2 | 180 |
| Sand | 180 | 195 |
| Glacial till | 195 | 220 |

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: 220 ft Casing stickup: 2 ft

Casing type: Steel Casing thickness: .25 inches

Casing diameter: 6 inches Casing depth: 220 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): 140 ft on 9 / 16 / 2019 Artesian well ☐

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

Method of testing: _____

Development method: Air Duration: 2 hours

Recovery rate: 10 gpm

Grout type: Bentonite Volume .7 ft^3

Depth: From 0 ft, To 20 ft

Final pump intake depth: 213 ft Model: 7FR0754-3W230

Pump size: .75 hp Brand name: Franklin

Was well disinfected upon completion? ☐ Yes ☒ No

Method of disinfection: _____

Was water quality tested? ☐ Yes ☒ No

Water quality parameters tested: _____

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

North

Well driller name: .....

Company name: AURORA DRILLING CO. .....

Mailing address: .....

City: _____ State: AK Zip: _____

Phone number: (_____) _____- _____

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

Drilling Started: 9/14/19 Completed: 9/15/19 Pump Install: 10/2/19

| City/Borough | Subdivision | Block | Lot | Property Owner Name & Address |
|---|---|---|---|---|
| Healy / Denali | | | | Anderson |

**Well location: Latitude** _____ **Longitude** _____

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=a185000000BYub3AAD

| | Depth From | Depth To |
|---|---|---|
| Silt | 0 | 2 |
| Glacial Till | 2 | 180 |
| Sand | 180 | 195 |
| Glacial Till | 195 | 220 |

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: 220 ft Casing stickup: 2 ft

Casing type: Steel Casing thickness: 1/4 inches

Casing diameter: 6 inches Casing depth: 220 ft

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

Note: _____

Well intake opening type: ☑ Open end, ☐ Open hole, ☐ Other _____

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): 140 ft on 9/16/19 Artesian well ☐

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

Method of testing: _____

Development method: Air Duration: 2 hrs

Recovery rate: 10 gpm

Grout type: Bentonite Volume 1.7 cu

Depth: From 0 ft, To 20 ft

Final pump intake depth: 213 ft Model: 7FR0754-3W 230

Pump size: 3/4 hp Brand name: Franklin

Was well disinfected upon completion? ☐ Yes ☐ No

Method of disinfection: _____

Was water quality tested? ☐ Yes ☐ No

Water quality parameters tested: _____

Well driller name: Derek Reign

Company name: Arctic Drilling

Mailing address: 215 E Van Hatt Rd

City: Fairbanks State: AK Zip: 99701

Phone number: (907) 456 - 6712

Driller's signature: [signature]

Date: 10/3/19

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:

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