



STATE OF ALASKA 83502
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER
Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Started: 7 / 25 / 2014 Completed: 8 / 10 / 2014 Pump Install: 9 / 11 / 2014

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address																																																								
Bristol Bay Borough				Leader Creek Fisheries ,																																																								
Well location: Latitude 58.74577500000001 Longitude -156.953036 Meridian S Township 016S Range 046W Section 33 , NW 1/4 of NW 1/4 of NE 1/4 of SE 1/4																																																												
BOREHOLE DATA: (from ground surface) Suggest T.M. Hanna's hydrogeologic classification system* https://my.ngwa.org/NC_Product?id=a185000000BYub3AAD																																																												
<table border="1"><thead><tr><th rowspan="2"></th><th colspan="2">Depth</th></tr><tr><th>From</th><th>To</th></tr></thead><tbody><tr><td>Topsoil/overburden</td><td>0</td><td>3</td></tr><tr><td>Brown sand</td><td>3</td><td>20</td></tr><tr><td>Mixed sand and gravel with large rocks</td><td>20</td><td>40</td></tr><tr><td>Clay with large rocks</td><td>40</td><td>60</td></tr><tr><td>Clay and gravel</td><td>60</td><td>80</td></tr><tr><td>Clay and gravel</td><td>80</td><td>90</td></tr><tr><td>Clay and coarse gravel</td><td>90</td><td>100</td></tr><tr><td>Clay and gravel mixed</td><td>100</td><td>120</td></tr><tr><td>Silty gravel and sand</td><td>120</td><td>140</td></tr><tr><td>Silty gravel and sand</td><td>140</td><td>180</td></tr><tr><td>Medium sand and gravel</td><td>180</td><td>200</td></tr><tr><td>Mixed sand and gravel</td><td>200</td><td>205</td></tr><tr><td>Silty sand and gravel.</td><td>205</td><td>210</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></tbody></table>						Depth		From	To	Topsoil/overburden	0	3	Brown sand	3	20	Mixed sand and gravel with large rocks	20	40	Clay with large rocks	40	60	Clay and gravel	60	80	Clay and gravel	80	90	Clay and coarse gravel	90	100	Clay and gravel mixed	100	120	Silty gravel and sand	120	140	Silty gravel and sand	140	180	Medium sand and gravel	180	200	Mixed sand and gravel	200	205	Silty sand and gravel.	205	210												
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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: 210 ft Casing stickup: 3 ft Casing type: Steel Casing thickness: .28 inches Casing diameter: 8 inches Casing depth: 196 ft Liner type: _____ Depth: _____ ft Diameter: _____ inches Note: _____ Well intake opening type: ☐ Open end, ☐ Open hole, ☒ Other screened Screen type: Stainless, Screen mesh size: 30 Screen start: 196 ft, Screen stop: 204 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): 51.5 ft on 10 / 2 / 2014 Artesian well ☐ Pumping level & yield: _____ feet after 6 hours at 120 gpm Method of testing: Air lifting Development method: Air surge Duration: 12 Recovery rate: _____ gpm Grout type: Bentonite Volume 40lbs Depth: From 0 ft, To 30 ft Final pump intake depth: 167 ft Model: _____ Pump size: 10 hp Brand name: Goulds Was well disinfected upon completion? ☒ Yes ☐ No Method of disinfection: Sodium hypochlorite Was water quality tested? ☐ Yes ☒ No Water quality parameters tested: _____ Well driller name: _____ Company name: JOHNSON 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: - -																																																												
Include description or sketch of well location (include road names, buildings, etc.):																																																												

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

North ↑

349 8791



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

WATER WELL LOG

Drilling Started: 7/25/14 Completed: 8/10/14 Pump Install: 9/11/14

City/Borough:	Subdivision:	Block	Lot	Property Owner Name & Address:																																																
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Depth of hole: <u>204</u> ft, Casing stickup: <u>3</u> ft Casing type: <u>Steel</u> Wall thickness: <u>.28</u> inches Casing diameter: <u>8"</u> inches Casing depth: <u>196</u> ft Liner type: _____ Depth: _____ ft Diameter: _____ inches Well intake opening type: ☐ Open end, ☐ Open hole, ☒ Other _____ Screen type: <u>Stainless</u> Assembly From: <u>196'</u> ft, To: <u>204'</u> ft Slot size: <u>30</u> From: <u>196</u> ft, To: <u>204</u> ft Slot size: _____ From: _____ ft, To: _____ ft ☐ Perforation description _____ From: _____ ft, To: _____ ft From: _____ ft, To: _____ ft From: _____ ft, To: _____ ft Gravel packed ☐ Yes ☒ No From: _____ ft, To: _____ ft																																																				
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Well driller name: <u>Steven R. Thomas</u> Company name: <u>Johnson Drilling Co.</u> Mailing address: <u>3705 Arctic # 412</u> City: <u>Anchorage AK</u> State: <u>AK</u> Zip: <u>99503</u> Phone number: <u>(907) 250-5051</u> Driller's signature: <u>St. R. Thomas</u> Date: <u>9/10/14</u>																																																				

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dnr.water.reports@alaska.gov OR send to

Alaska DNR, MLW, Alaska Hydrologic Survey
 550 West 7th Avenue, Suite 1020
 Anchorage, AK 99501

Anchorage Municipal Code 15.55.060(I) requires that a copy of this well log be forwarded to the Development Services Department within 30 days of well completion.

City Permit Number: _____

Date of Issue: 1/1

Parcel Identification Number: _____

Is well located at approved permit location? ☐ Yes ☐ No