

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

WATER WELL LOG Revised 08/18/2016

| Drilling Started://  |          | Comple   | eted: <u>8</u> /_  | 1 / 1986 Pump Install://  |  |  |  |
|--|----------|--|--|---|--|--|--|
| City/Borough   | Subdivis | ion  | Block  | Lot   | Property Owner Name & Address  |  |  |
| Bristol Bay Borough  | FAA Hou  | using  |  | Unknown   | King Salmon Housing AK,  |  |  |
|  |          |  |  |   | de156.687866   |  |  |
| Meridian S Township 017S Range 045W Section 22 , NW 1/4 of NE 1/4 of NE 1/4 of NE 1/4 of NE 1/4  |          |  |  |   |  |  |  |
| BOREHOLE DATA: (from ground surface) Suggest T.M. Hanna's hydrogeologic classification system* https://my.ngwa.org/NC  |          |  | <u>BAAD</u>  | Well use:   | thod: Air rotary, Cable tool, Other Public supply, Domestic, Reinjection, Hydrofracking cial, Observation/Monitoring, Test/Exploratory, Cooling,                           |  |  |
|  |          | From   | <u>To</u>  | ☐ Irrigation/   | /Agriculture, ☐Grounding, ☐Recharge/Aquifer Storage,   |  |  |
| SILTY SAND   |          | 0  | 10   | Heating,  | ☐Geothermal Exploration, ☐Other  |  |  |
| CLAY   |          | 10   | 20   | Fluids used:  |  |  |  |
| CLAY WITH ROCK   |          | 20   | 120  | Depth of hole: 156 ft Casing stickup:ft Casing type: STEELCasing thickness:inches       |  |  |  |
| CLAYEY SAND  |          | 120  | 135  | Casing type: STEEL Casing thickness: inches  Casing diameter: 8 inches Casing depth: ft |  |  |  |
| CLAYEY SAND WITH WATER   |          | 135  | 145  |   | Liner type: Depth: ft Diameter:inches  |  |  |
| SAND AND GRAVEL WITH WATER 14  |          | 145  | 156  | Note:   |  |  |  |
|  |          |  | Well intake opening type: ☐ Open end,☐ Open hole, ☐ Other screened |   |  |  |  |
|  |          |  |  |   | e:, Screen mesh size:  |  |  |
|  |          |  |  |   | rt: 146 ft, Screen stop: 156 ft, Perforated ☐Yes ■ No<br>description: ft, Perf   |  |  |
|  |          |  |  | -   | ft, Perf from: ft, Perf to: ft   |  |  |
|  |          |  |  | Gravel pack   | ked ☐Yes 	■No Gravel start: ft , Gravel stop: ft   |  |  |
|  |          |  |  | Note:   |  |  |  |
|  |          |  |  |   | er (from top of casing): 30 ft on / / Artesian well  |  |  |
|  |          |  |  | Method of t   | evel & yield: feet after hours at gpm  |  |  |
|  |          |  |  | Developme   | ent method: Duration:  |  |  |
|  |          |  |  |   | ate: gpm   |  |  |
|  |          |  |  | Grout type:   | : Volume   |  |  |
| Include description or sketch of well location (include road names,  |          | Depth: Fromft, Toft  Final pump intake depth: 30ft Model: GRUNDFOS |  |   |  |  |  |
| buildings, etc.):  |          |  |  | Pump size: hp Brand name:   |  |  |  |
|  |          |  |  | Was well disinfected upon completion? Yes ■ No  |  |  |  |
|  |          |  |  | Method of o   | disinfection:  |  |  |
|  |          |  |  | Was water   | quality tested? Yes No   |  |  |
|  |          |  |  | Water quali   | ity parameters tested:   |  |  |
|  |          |  |  |   | name:name: Johnson Drilling  |  |  |
|  |          |  |  |   | dress:   |  |  |
| 1  |          |  |  |   | State: <u>AK</u> Zip:  |  |  |
| 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 <b>45 days of well completion</b> . Well logs may be submitted using the online well log reporting system available at: |          |  |  | Phone num   | nber: ()   |  |  |
|  |          |  |  | Driller's sig   | nature:  |  |  |
|  |          |  |  | Date:   |  |  |  |
|  |          |  |  | that a copy o   | Municipal Code 15.55.060(I) and North Pole Ordinance 13.32.030(D) require of this well log be submitted to the Development Services Department/City ys of well completion. |  |  |
| https://dnr.alaska.gov/welts/  |          |  |  | -   |  |  |  |
| OR email electronic well logs to   |          |  |  | Date of Issue   | Number:<br>e:/   |  |  |
| dnr.water.reports@alaska.gov   |          |  |  | Parcel Identi   | ification Number:  |  |  |

## SCOPE OF WORK WATER WELL PUMP REPLACEMENT

The Contractor will provide all equipment, labor, material, and transportation to replace the well pump, well pump motor, and riser pipe in the water well at the FAA Housing Facility in King Salmon, Alaska. The FAA's Public Well System (PWS) is identified as 263014.

The Contractor will do the following:

- 1. Furnish and install a new pump and motor that is equal to the existing. The electric motor is 3-phase and rated at 2 hp.
- 2. Replace 210 feet of 1-1/4" riser pipe with new galvanized steel pipe (T&C).
- 3. Replace existing submersible pump wiring (flat 12/4 neoprene) with manufacturer's recommended wiring. Secure wiring to the riser pipe at 10-foot intervals.
- 4. Re-install the roof access hatch to original condition and remove construction waste materials (to include all removed riser piping and wiring) from site.
- 5. The existing well pump and motor assembly shall remain on site in the well house, at the completion of the project.

FAA's as-built drawings, site photographs, and Well Log will be provided to the Contractor for information.

Mr. Thomas (Derrick) Wilkerson will be the Contracting Officer's Representative (COR) and will be responsible to oversee the on-site performance.















