

STATE OF ALASKA 24960 DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

| Drilling Start | ted:// | Compl | eted: <u>7 / 19 / 1998</u> Pump Install: <u>/</u> | | | | | | | | | |
|--|--|----------|---|--|--|--|--|--|--|--|--|--|
| City/Borough | | | Lot Property Owner Name & Address | | | | | | | | | |
| Bering Straits REAA | | | Koyuk, City Of, | | | | | | | | | |
| Well location: Latitude 64 | | - | Longitude -161.173676 | | | | | | | | | |
| Meridian <u>K</u> Towns | ship <u>006S</u> Range <u>012W</u> | Section | n <u>30</u> , <u>SW</u> 1/4 of <u>SW</u> 1/4 of <u>NW</u> 1/4 of <u>SE</u> 1/4 | | | | | | | | | |
| BOREHOLE DATA: (from Suggest T.M. Hanna's hydrog https://my.ngwa.org/NCProd | geologic classification sy luct?id=a185000000BYub | | 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: 15ft Casing stickup: ft Casing type: casing thickness: inches Casing diameter: inches Casing depth: 10ft Liner type: Depth: ft Diameter: inches Note: CASE TO 10 FT, SCREEN TO 15 FT | | | | | | | | | |
| | | | 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): 7 ft on // / Artesian well Pumping level & yield: feet after hours at 20 gpm Method of testing: | | | | | | | | | |
| | | | Development method: Duration: | | | | | | | | | |
| | | | Recovery rate: gpm Grout type: Volume | | | | | | | | | |
| | | | Depth: Fromft, Toft | | | | | | | | | |
| Include description or sketch of | f well location (include roa | d names, | Final pump intake depth: ft Model: | | | | | | | | | |
| buildings, etc.): | | | Pump size: | | | | | | | | | |
| | | | 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: .DENALI DRILLING | | | | | | | | | |
| | | | Mailing address: | | | | | | | | | |
| | | 4 | City: State: <u>AK</u> Zip: | | | | | | | | | |
| | | Nath | Phone number: () | | | | | | | | | |
| AS 41.08.020(b)(4) and AAC ² copy of the well log be submitt Resources within 45 days of v | ted to the Department of N | latural | Driller's signature: | | | | | | | | | |
| be submitted using the online | | | Date://Anchorage Municipal Code 15.55.060(I) and North Pole Ordinance 13.32.030(D) require | | | | | | | | | |
| available at: https://dnr.alaska.gov/we | elts/ | | that a copy of this well log be submitted to the Development Services Department/City within 30 days of well completion . | | | | | | | | | |
| OR email electronic well logs t | | | City Permit Number: Date of Issue:// | | | | | | | | | |
| dnr.water.reports@alask | ka.gov | | Parcel Identification Number: | | | | | | | | | |

*Guide for Using the Hydrogeologic Classification System for Logging Water Well Boreholes by Thomas M. Hanna NGWA Press

WATER WELL LOG G-KOY-2

SHEET: 1 of 1 DATUM: MSL

PROJECT NUMBER: 983-5367

PROJECT: Koyuk Drilling

WELL LOCATION: KOYUK, AK

BORING DATE: 7/19/98

| | 8 | SOIL PROFILE | | | | | SAM | PLES | WELL CONSTRUCTION | | | | | | |
|------------|------------------------------|--|----------|--|----------|-------|---------------|------|---|--|--|--|--|--|--|
| oepth feet | BORING METHOD | DESCRIPTION | ICE BOND | ICE BOND USCS GRAPHIC GRAPHIC | | DEPTH | NUMBER | TYPE | DESCRIPTION | DIAGRAM | | | | | |
| | TT | Ground surface scraped of 1 ft of organics | +- | <u> </u> | | | | | 24 in. Stickup | > [] | | | | | |
| - 0 | Blade Bit | Brown, SILT with organics | | ML | | 0.0 | | | Partuck Seri | | | | | | |
| - 5 | Reamed with 10 in. Blade Bit | is moderately to highly weathered. | | | | | | | Benionite Seal 1445 hr 7/19/98 5 in. Diameter Schedule 40 PVC Liner | | | | | | |
| - 10 - | | | | | | 9.5 | | | 8-12 Silica Sand 5 in. Diameter, 20 Slot, Stainleas Steel | | | | | | |
| - 15 | | Bottom of Hole at 15.0 ft. Hole terminated from drilling into clayey residual soil | | | <u> </u> | 15.0 | | | Continuous V-wire Screen | | | | | | |
| - 20 | | | | | | | | | | | | | | | |
| - 25 | | | | | | | | | | LAS ZZBIG NWYSEY SEC30 T65, RIZW, KRM City of Koyuk | | | | | |
| - 30 | | | | | | | | | | City of Koyuk | | | | | |
| - 35 | | | | | | | | | | - | | | | | |
| | | | | | | | | | | | | | | | |
| | | CME-45, Air Rotary with 150psi Compressor | | | | | LOGG | | G. Eberle | | | | | | |
| | | CONTRACTOR: Denali Drilling J. Weinegar | | | | | CHEC DATE: | | | Golder | | | | | |

09645

Section Sketch

| Fill in all requested inform: JN. Use the section outline gri pelow to draw a map of your area of interest and include any significant features. Use additional section outline grids to show related features in other sections. Meridian : \underline{KHLL} , Township : $\underline{65}$, Range : $\underline{12W}$, Section : $\underline{30}$ Your Name:, Date : $\underline{6111999}$ | | | | | | | | | | | | | | | | | | |
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m 4/96