



23852

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

WATER WELL LOG Revised 08/18/2016

Drilling Started: ___/___/___ Completed: 3 / 14 / 1978 Pump Install: ___/___/___

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Lake & Peninsula Borough				Us Phs, Chignik Lake ,

Well location: Latitude 56.2535591 **Longitude** -158.763733
 Meridian S Township 045S Range 061W Section 26 , NE 1/4 of SE 1/4 of NE 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=a18500000BYub3AAD

	Depth	
	From	To
tundra	0	1
black sand, gravel	1	5
brown sand, gravel	5	23
brown clay	23	24
clay, gravel	24	34
hard clay, grave	34	37
sand, gravel	37	41
hard clay	41	47
hard grey, rock	47	53
soft clay, gravel	53	56
water, fine sand	56	57

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: 56 ft **Casing stickup:** _____ ft
Casing type: _____ **Casing thickness:** _____ inches
Casing diameter: 5 inches **Casing depth:** 52 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 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): 15.5 ft on ___/___/___ **Artesian well**

Pumping level & yield: 8 feet after 48 hours at 30 gpm

Method of testing: _____

Development method: bail test **Duration:** _____

Recovery rate: _____ gpm

Grout type: _____ **Volume** _____

Depth: From _____ ft, **To** _____ ft

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

Final pump intake depth: _____ ft **Model:** _____

Pump size: _____ hp **Brand name:** _____

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: US.PHS _____

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

WELL LOG

U.S. PUBLIC HEALTH SERVICE, DIVISION OF INDIAN HEALTH

LOCATION Well # 3-14-78 Chignik Lake, Alaska DATE STARTED 1-21-78

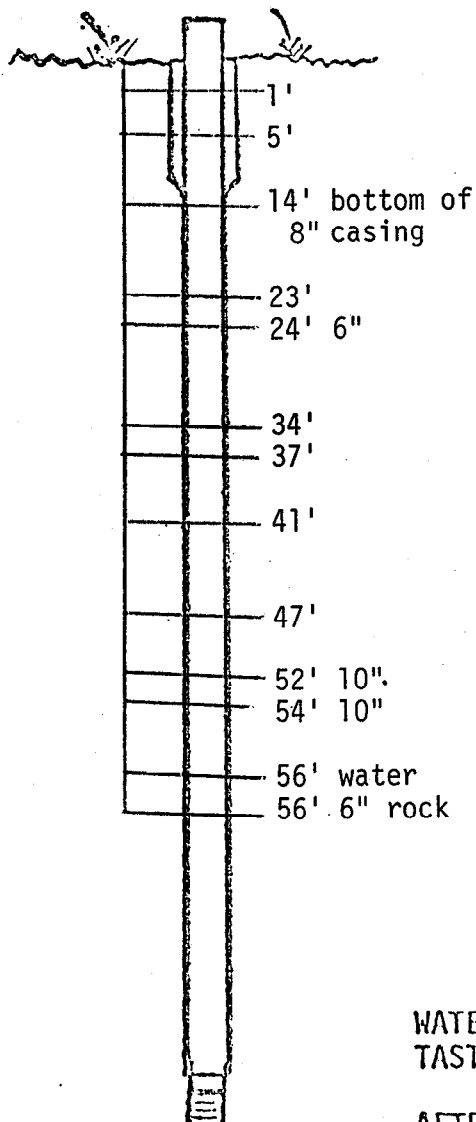
DATE COMPLETED 3-14-78 CREW Bob Hopp, S. St. Anthony

TOTAL DEPTH OF WELL 56 FT. CASING INSTALLED 58' - 0" DIAMETER 5"

GROUT 400# Bentonite SCREEN SIZE N/A MFG. N/A LENGTH N/A

STATIC WATER LEVEL 15' 6" HRS. PUMPED 48 @ 30 GPM DRAWDOWN 8 FT.

DEVELOPMENT PROCEDURES Bail test-Test Pumping



DATE	DEPTH FROM - TO	FORMATION
	0' - 1'	Tundra
	1' - 5'	Black Sand, Gravel
	5' - 23'	Brown Sand, Gravel
	23' - 24' 6"	Brown clay
	24' 6" - 34'	Clay, Gravel
	34' - 37'	Hard Clay, Gravel
	37' - 41'	Sand, Gravel
	41' - 47'	Hard Clay
	47' - 52' 10"	Hard grey, rock
	52' 10" - 56'	Soft clay, Gravel
	56' - 56' 6"	Water, fine sand
		56' water
		56' 6" rock

WATER DATA FIELD TEST
 TASTE Good APPEARANCE FRESH Clear
 AFTER 24 HOURS Clear IRON _____ CHLORIDES _____
 TDS _____ ALKALINITY _____ pH _____

SPECIAL NOTES:
 Highest recommended pumping rate 30 GPM

LOCAL NO. SD 45-61-26
 SITE ID _____