33763

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: 10 / 15 / 2001 Pump Install: ___/___/_____

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Lake & Peninsula Borough	USS 4900		L3	CITY OF EGEGIK ,

Well location: Latitude 58.20854 **Longitude** -157.37443999999996
Meridian S Township 023S Range 050W Section 01 , SE 1/4 of SW 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

	Depth From	Depth To

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: 135 ft Casing stickup: _____ft
Casing type: _____ Casing thickness: _____ inches
Casing diameter: _____ inches Casing depth: 135 ft
Liner type: _____ Depth: _____ ft Diameter: _____inches
Note: FULL CASE

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): 59 ft on___/___/_____ Artesian well ☐
Pumping level & yield: _____ feet after _____ hours at 60 gpm
Method of testing:_____
Development method:_____ Duration: _____
Recovery rate: _____ gpm

Grout type: _____ Volume _____
Depth: From _____ft, To _____ft

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: SWANSON DRILLING.....
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: _____-_____-_____

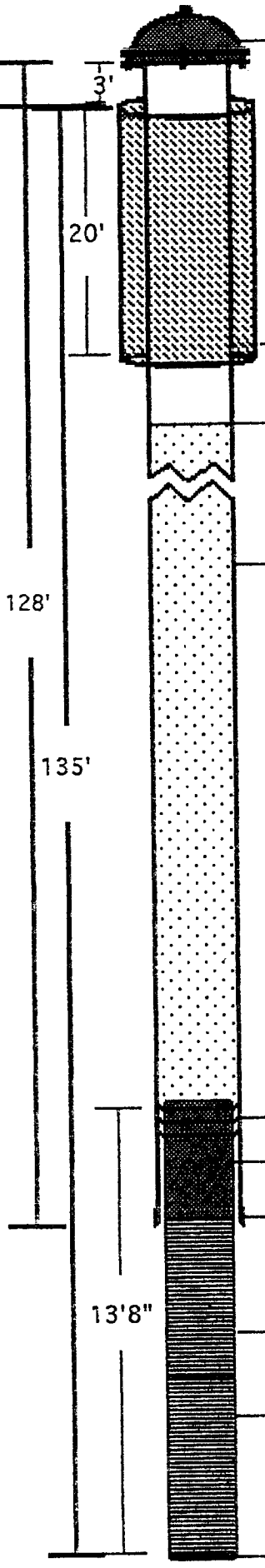
*Guide for Using the Hydrogeologic Classification System for Logging Water Well Boreholes by Thomas M. Hanna NGWA Press

JOHNSON DRILLING CO.
KING SALMON, ALASKA
AS-BUILT DRAWING
FOR: ADEC: VSW

City Well No. 3
City of Egegik
Class A Community Well
US Survey 490, Tract C,
Plat 94-5, Lot 3, T23 S,
R50 W, SM
Completed: 10/15/01

0-10	Brown organic and fill material
10-20	Brown silt, clay and rock
20-30	Fine sand and small rock
30-40	Fine brown silty sand and small cobbles
40-42	Fine white beach sand w/cobbles
42-50	Fine gray sand and small rocks
50-53	Fine white beach sand and cobbles
53-57	Coarse sand and small rocks
57-60	Brown silt and gravel
60-63	Fine rock and gravel
63-70	Coarse gravel, water--3 GPM
70-80	Silty sand w/fines
80-90	Fine black and gray sand (water sand)
90-100	Saturated black sand
100-120	Black heaving sand
120-125	Clay rock and saturated silty sand
125-130	Heaving gray sand
130-135	Gravel and silty sand (screenable)

Drawdown 11/24 1:30 pm Static 60.00' @50 GPM		Recovery 11/25 1:30 pm	
Min 1	72.00	Min 1	80.00
Min 2	77.00	Min 2	72.00
Min 3	79.00	Min 3	66.00
Min 4	81.00	Min 4	63.00
Min 5	83.00	Min 5	61.00
Min 10	84.00	Min 10	60.00
Min 15	84.10	Min 15	
Min 20	85.00	Min 20	
Min 25	85.10	Min 25	
Min 30	85.20	Min 30	
Min 45	85.30	Min 60	
Min 60	85.40		
Min 120	86.30		
Min 180	86.70		
Min 240	86.10		
Min 300	86.15		
Min 360	86.15		
Min 420	86.16		
Min 480	86.16		
Min 540	86.16		
Min 600	86.16		
Final Check @ 24 HRS.	86.16		



Sanitary well cap

Bentonite chip seal (2" Annulus)

Static water level 59'

6" Steel well casing, Type A53B, .25 wall

The well was Drilled using an Ingersol Rand air rotary rig with drill-thru casing hammer.
Developed well for approximately 4 hrs. using air surge method. Percentage of fine to coarse material was high but developed very steadily and without recurring formation collapse. Approx yield 60 GPM

Neoprene packer

5" X 3'8" steel riser pipe

Hardened drive shoe

Stainless steel well screen by Johnson Division U.O.P. #20 slot 5' section

#30 slot 5' section

Welded plate bottom