



STATE OF ALASKA 83545
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER
Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Started: ____/____/____ Completed: 4 / 1 / 1965 Pump Install: ____/____/____

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Municipality of Anchorage	GIRDWOOD POST OFFICE		3	Unknown ,

Well location: Latitude 60.964528 Longitude -149.133966
Meridian S Township 010N Range 002E Section 08 SW 1/4 of SE 1/4 of SW 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	To
Sandy gravel	0	4
Sand, silty and gravelly	4	31
Sand, silty	31	33
Sand, gravelly	33	57
Sand, silty and gravelly	57	58
Sand, silty	58	63
Sand, gravelly	63	66
Sand, clayey and gravelly	66	68
Sand, gravelly with water	68	76
Sand, silty and gravelly; large boulder 91-97	76	98
Bedrock, shaley sandstone	98	101

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

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: 101 ft Casing stickup: _____ ft

Casing type: _____ Casing thickness: _____ inches

Casing diameter: 8 inches Casing depth: _____ ft

Liner type: _____ Depth: _____ ft Diameter: _____ inches

Note: _____

Well intake opening type: ☐ Open end, ☐ Open hole, ☒ Other screened

Screen type: _____, Screen mesh size: 60

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: see well log for full screen details

Static water (from top of casing): _____ ft on ____/____/____ Artesian well ☐

Pumping level & yield: _____ feet after _____ hours at _____ 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: COTTEN 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: _____ - _____ - _____

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

Well #1
Drilled by Sam Cotton

City of Girdwood Public Supply

Latitude-longitude 60, 57, 58 S 149, 07, 45

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD
 Physiographic Province: 219 Section: 26
 Drainage Basin: 803 Subbasin: 26
 Topo of well site: (D) (C) (E) (F) (H) (K) (L) (P) (S) (T) (U) (V)
 depression, stream channel, dunes, flat, hilltop, sink, swamp, offshore, pediment, hillside, terrace, undulating, valley flat
 MAJOR AQUIFER: system series 28 29 aquifer, formation, group 30 31
 Lithology: 32 33 Origin: 34 Aquifer Thickness: ft
 Length of well open to: 35 37 ft 38 40 Depth to top of: 41 43 ft
 MINOR AQUIFER: system series 44 45 aquifer, formation, group 46 47
 Lithology: 48 49 Origin: 50 Aquifer Thickness: ft
 Length of well open to: 51 53 ft 54 56 Depth to top of: 57 59 ft
 Intervals Screened: 60 63 Source of data: 64
 Depth to consolidated rock: ft 65 68 Source of data: 69
 Depth to basement: ft 70 71 Infiltration characteristics: 72
 Surfacial material: 73 75 Coefficient Trans: gpd/ft 76 78 Coefficient Storage: 79
 Perm: gpd/ft²; Spec cap: gpm/ft; Number of geologic cards: 79

Well Log (from C of E report dated April 65):

0- 4 sandy gravel
 4- 31 sand, silty and gravelly
 31- 33 sand, silty
 33- 57 sand, gravelly
 57- 58 sand, silty and gravelly
 58- 63 sand, silty
 63-66½ sand, gravelly
 66½-68½ sand, clayey and gravelly
 68½-76 sand, gravelly with WATER
 76- 98 sand, silty and gravelly; large boulder
 91-97 bedrock, shaly sandstone

Cased with 8" casing to 64 feet; backfilled to 79 feet

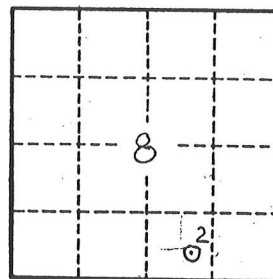
Top of screen packer at 62½ feet

Screen log, from bottom (79 feet) upward:

Bottom - 100 slot 5 feet
 60 " 5
 Blank ? 3 or 4 feet ?
 60 slot 5 feet ?

Finer screen opposite larger sized material ???

(Serves Trailer Court, Laundromat, Post Office, Firehouse, Store)



Well No.

 CASING
 62.5 FT TOP
 OF SCREEN

 64'
 2 FT SCREEN
 60 SLOT

 66'
 BLANK
 3 FT

 63'
 5 FT SCREEN
 60 SLOT

 74'
 5 FT SCREEN
 100 SLOT

79' FT

 Local # 540100020800001-2
 Site ID 605758149074501