



STATE OF ALASKA 9968
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER
Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Started: 9 / 27 / 1984 Completed: 9 / 28 / 1984 Pump Install: / /

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Matanuska-Susitna Borough	WASILLA WOODS	B2	L07	CITY OF WASILLA, WASILLA WOODS / SPRUCE AVENUE ,

Well location: Latitude 61.599073000000004 Longitude -149.447268
Meridian S Township 017N Range 001W Section 03 , NE 1/4 of NW 1/4 of NW 1/4 of NW 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 with trace of some silt, numerous cobbles and occasional boulders, brown, dense, d	0	17
silty, gravelly sand, gray, dense, dry (till)	17	59
sandy silt, gray, dry	59	63
sandy gravel with trace silt, numerous cobbles and occasional boulders, gray, dense, dry	63	90
silty sandy gravel with numerous cobbles and occasional boulders, gray, dense, dry	90	137
sandy gravel, gray, saturated. measured flow at 20gpm	137	149
silty sandy gravel, gray, very dense, no water	149	164
gravel with some sand and silt, gray, moist	164	185
gravelly coarse to medium sand, gray, saturated, producing 60-80gpm while drilling	185	205
sandy gravel (clean), gray, saturated, producing 60-80gpm while drilling	205	235
sandy gravel with trace silt and bedrock fragments	235	237
bedrock (siltstone and sandstone) stopped water flow	237	240

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: 240 ft Casing stickup: _____ ft

Casing type: _____ Casing thickness: _____ inches

Casing diameter: _____ inches Casing depth: 215 ft

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

Note: CASE TO 215 FT, SCREEN TO 230 FT

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

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): 105 ft on 10 / 8 / 1984 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: SYREN BROS 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: - -

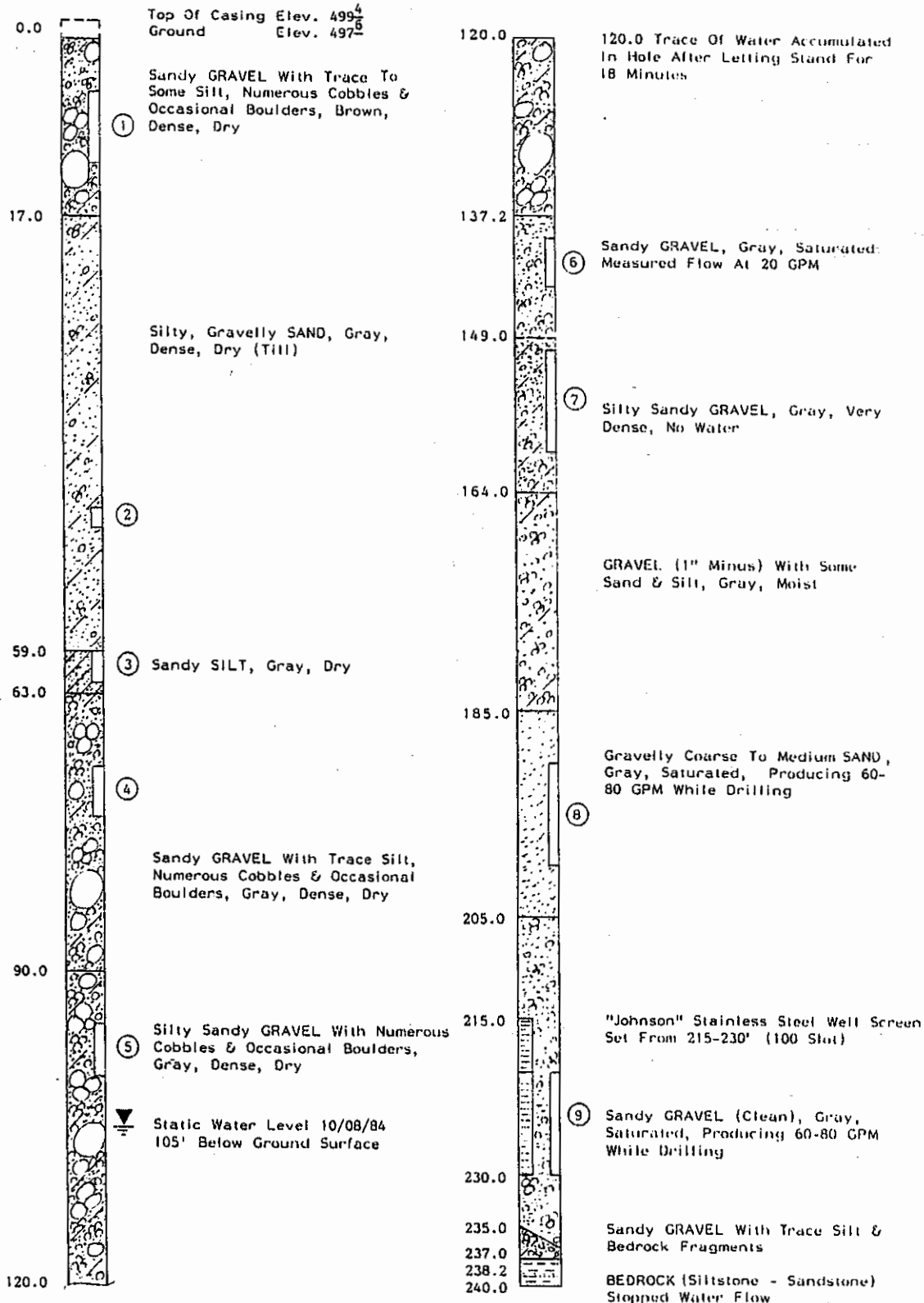
AS 41.08.020(b)(4) and AAC 11 AAC 93.140(a) require that a copy of the well log be submitted to the Department of Natural Resources within 45 days of well completion. Well logs may be submitted using the online well log reporting system available at:

<https://dnr.alaska.gov/welts/>

OR email electronic well logs to

dnr.water.reports@alaska.gov

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- Note: 1) All Samples Collected By Air Rotary Method
2) 6" Steel Cased Well
3) Drilled By Syren Bros. Drilling
4) Logged By Steve Rowland
5) Date Drilled 9/27-28/1984

144 5204



Giffman Engineering, Inc.
P.O. Box 871868
Wasilla, Alaska 99687

PROJECT NO. W.O.-84-77 SCALE 1"=10' DRAWN BY: CI DATE: 2/15/85

WATERWELL - TEST PUMP REPORT

OWNER City of Wasilla ADDRESS Wasilla, AlaskaENGINEER Gilfillian EngineeringWELL LOCATION Spruce Street *Done by Anch Well/Pump Service?*TOTAL DEPTH 230 DEPTH OF CASING 215 SCREEN FROM 215 TO 230CASING SIZE 6 in. SCREEN DIA SCREEN SLOT 100

REMARKS

PUMP INTAKE DEPTH 202 PUMP SIZE 20 hp 300GPM AIRLINE DEPTH 198STATIC WATER LEVEL 107 AVG DISCHARGE GMP MAX DRAW DOWN PUMP ON: 9:30a TIME 10/8 DATE PUMP OFF: 4:11pm TIME 10/8 DATE

DATE	TIME	PIEZO TUBE	FLOW RATE	WATER LEVEL	COMMENTS
10-08-84	9:30			107	2 1/2" x 4" Orifice
	9:30	5	56	107	Brown murky, iron
	9:35	5	56	110	Clearing
	9:40	5	56	110	Pumping clear, OTV
	9:45	7	66	110	
	9:50	7	66	110	
	9:55	7	66	110	OTV
	10:00	9	75	110	
	10:05	9	75	111	
	10:10	9	75	111	
	10:15	9	75	111	OTV
	10:20	10	80	111	
	10:25	10	80	111	
	10:30	10	80	111	
	10:35	14	94	111	OTV
	10:40	14	94	111	
	10:45	14	94	111	OTV
	10:50	18	106	111	Took turbidity sample
	10:55	18	106	111	
	11:00	18	106	111	OTV
	11:05	25	125	113	
	11:10	25	125	113	
	11:15	25	125	113	OTV
	11:20	30	138	113	
	11:25	30	138	113	Switch to 3"x4" orifice, OTV
	11:30	12	145	113	
	11:35	12	145	113	
	11:40	16	168	115	
	11:45	16	168		
	11:50	16	168	115	54PSI
	11:55	16	168	115	
	12:00	30	230	121	OTV 18PSI
	12:05	36	253	121	OTV 100%
	12:15	36	253	120	
	12:20	36	253	120	
	12:25	36	253	120	
	12:30	36	253	120	
	12:40	36	253	120	