



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](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: - -

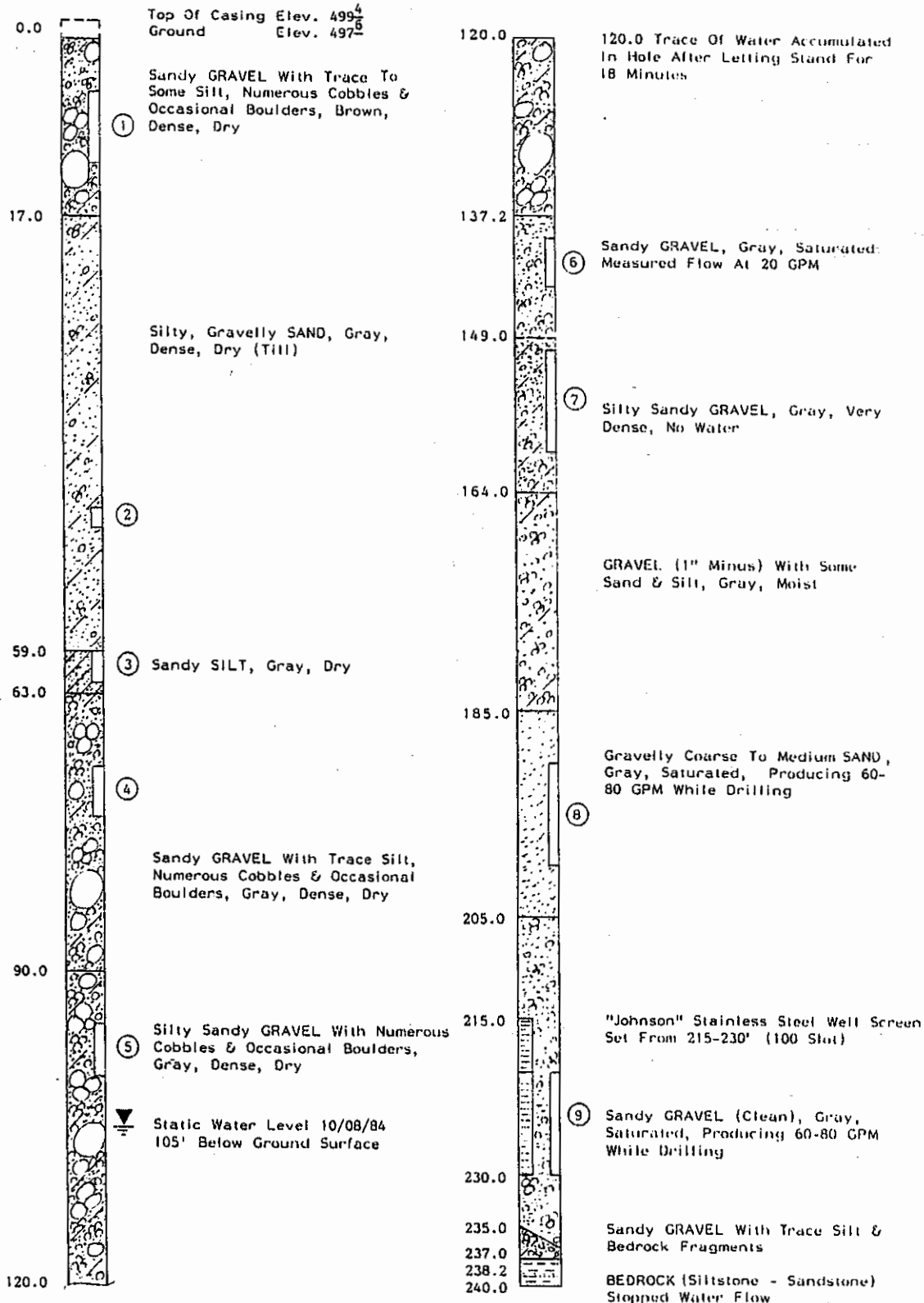
AS 41.08.020(b)(4) and AAC 11 AAC 93.140(a) require that a copy of the well log be submitted to the Department of Natural Resources within 45 days of well completion. Well logs may be submitted using the online well log reporting system available at:

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

OR email electronic well logs to

[dnr.water.reports@alaska.gov](mailto: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	