14172

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: 4 / 14 / 1986 Pump Install: ____/____/_____

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Matanuska-Susitna Borough	CHIPPEWA ESTATES 1	B4	L04	S ORR ,

Well location: Latitude _____ **Longitude** _____

Meridian S Township 018N Range 001W Section 25 , NE 1/4 of SW 1/4 of SW 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=a185000000BYub3AAD

	Depth From	Depth To

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

North

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

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: 41 ft Casing stickup: _____ft

Casing type: _____ Casing thickness: _____ inches

Casing diameter: _____ inches Casing depth: 41 ft

Liner type: _____ Depth: _____ ft Diameter: _____inches

Note: FULL CASE

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

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): 29 ft on____/____/_____ Artesian well ☐

Pumping level & yield: _____ feet after _____ hours at 20 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: FRIESEN 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: _____-_____-_____

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

14172

OWNER: Steve Orr

Address

City Wasilla State AK

(2) TYPE OF WORK (check):

New Well ☑ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air ☑ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐
Thermal: Withdrawal ☐ Reinjection ☐

(5) CASING INSTALLED: Steel ☑ Threaded ☐ Plastic ☐ Welded ☑

6" Diam. from +1 ft. to 41 ft. Gauge 250

" Diam. from ft. to ft. Gauge

LINER INSTALLED:

" Diam. from ft. to ft. Gauge

(6) PERFORATIONS: Perforated? ☐ Yes ☑ No

Type of perforator used

Size of perforations in. by in.

perforations from ft. to ft.

perforations from ft. to ft.

perforations from ft. to ft.

(7) SCREENS: Well screen installed? ☐ Yes ☑ No

Manufacturer's Name

Type Model No.

Diam. Slot Size Set from ft. to ft.

Diam. Slot Size Set from ft. to ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

" 1200 gal per hr. " "

Air test 20 gal./min. with drill stem at 41 ft. 1 hrs.

Bailer test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m.

Temperature of water Depth artesian flow encountered ft.

Bond C-1054 (Number) Issued by: Pacific Marine (Surety Company Name)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name Friesen Drilling Co. Inc (Person, firm or corporation) (Type or print)

Address 1901 W. Vanda Av Wasilla

[Signed] (Water Well Constructor)

Date 4/30, 19 86

(10) LOCATION OF WELL:

Borough Mat-Su Driller's well number

¼ ¼ Section T. R. W.M.

Tax Lot # Lot 4 Blk 4 Subdivision

Address at well location: Chippewaw

(11) WATER LEVEL: Completed well.

Depth at which water was first found 37 ft.

Static level 29 ft. below land surface. Date 4/14/86

Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing

Depth drilled 41 ft. Depth of completed well 41 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Topsoil	0	3	
Gravel	3	19	
Hardpan	19	35	
Sand + Gravel	35	41	

Work started 4/14 19 86 Completed 4/14 19 86

Date well drilling machine moved off of well 4/14 19 86

RECEIVED JAN 29 1987 Environmental Conservation

SB 18-1-25CC