



**STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER
WATER WELL LOG**

Drilling Started: 07/01/2013 Completed: 07/01/2013

City/Borough:	Subdivision:	BLOCK	LOT	Property Owner Name & Address:
Wasilla				Mat-Su Day School 3901 E. Bogard Rd. Wasilla, AK
Meridian	Township	Range	Section	$\frac{1}{4}$ of $\frac{1}{4}$ of $\frac{1}{4}$ of $\frac{1}{4}$
BOREHOLE DATA (from top of casing)				Drilling method: (X) Air rotary. () Cable tool. Other _____
Material: Type, Color & wetness : <u>From</u> : <u>To</u>				Well use: () Public supply, (X) Domestic, Other _____
stickup	0	2	Depth of hole: <u>82</u> ft. Casing stickup: <u>2</u> ft	
coarse gravel w/ sand	2	25	Casing type: <u>steel</u> Thickness: <u>.250</u> inches	
			Casing diameter: <u>6</u> inches Casing depth: <u>77</u> ft	
			Liner type: <u>-</u> Diameter: <u>-</u> inches Depth: <u>-</u> ft	
wet sand and gravel	25	40	Static water (from top of casing): <u>60'9"</u> ft on <u>07/01/2013</u>	
			Pumping level & yield: <u>61'10"</u> ft after <u>4</u> hours at <u>20</u> gpm	
sand & gravel	40	56	Recovery rate: <u>25</u> gpm. Method of testing: <u>airlift</u>	
			Development method: <u>airlift</u> Duration: <u>1 hour</u>	
sand & gravel w/ little H2O	56	70	Well intake opening type: () Open end, () Open hole, Other <u>Screen</u>	
			Screened: Start: <u>77</u> ft, Stopped <u>82</u> ft	
coarse gravel w/ H2O	70	82	Screen type: <u>Johnson S.S.</u> Slot/mesh size: <u>.040</u>	
			Perforated: Start: <u>-</u> ft, Stopped: <u>-</u> ft	
			Start: <u>-</u> ft. Stopped: <u>-</u> ft	
			Note: _____	
			Grout type: <u>bentonite</u> Volume <u>-</u>	
			Depth: from <u>ground surface</u> to <u>20</u> ft	
			Pump intake depth: _____ ft	
			Pump size: _____ hp. Brand name: _____	
			Was well disinfected upon completion? (X) Yes. () No	
			Method of disinfection: <u>Calcium Hypochlorite (Chlorine)</u>	
			Driller comments/ disclaimers: _____	

			Well driller name: <u>Curt Hefty</u>	
			Company name: <u>Hefty Drilling, Inc.</u>	
			Mailing address: <u>3540 Akula Dr.</u>	
			City: <u>Anchorage</u> State: <u>AK</u> Zip: <u>99516</u>	
			Phone number: (<u>907</u>) <u>345</u> - <u>0593</u> fax: <u>345-4700</u>	
			Drillers signature: <u>Curt Hefty</u>	

Alaska state law requires that a copy of this well log be sent to the Department of Natural Resources within 45 days: fixes are acceptable. (AK statutes 38.05.020, 38.05.035, 41.08.020, 46.15.020 and AK regulations 11 AAC 93.140).
DNR/ Division of Mining, Land and Water.
550 W 7th Avenue, Suite 1020
Anchorage, AK 99501- 3562
Phone (907)269-8639 and fax (907)269-8447

Within the City of Anchorage, it is required that a copy of the well log be sent to the appropriate city office within 60 days and that another copy of the well log be sent to the well/property owner within 30 days.
Permit Number: N/A
Date of Issue: - / - / -
Parcel Identification Number: -
Is well located at approved permit location? (X) Yes or () No

Daily log

7/01/13

ARRIVED AT MAT-SU DAY SCHOOL
SITE AT 10:00 AMSTARTED DRILLING AT 10:30 AM
KYLE & CURT HEFTF

Rig-time 10:30 TO 5:00 PM

REFERENCE PT IS T.O.C. SEE

WELL LOG DRILLED TO 40' WITH

SMALL AMOUNT OF H₂O

CONTINUED DRILLING 82' TOOK

LOOSE SAND & GRAVEL SAMPLES FOR

53% SIEVE ANALYSIS - ~~did~~ sieve

FOUND OVER 50% BIGGER THAN

23% .250 - 50% .150 - ~~23%~~ 2.3% .840

9% SURFACE SEAL (bentonite)

8% OVERSIZED BORE IS 0-20'

WITH 3 TREE BUGS OF #8
bentonite4" BORE HOLE IS PLUMB WITHIN
LESS THAN 2 DEGREES

RECEIVED

Driller's log

Wagalla Start 7/01/13

Mont-Sun Day Finish 7/01/13

School

Stick up 0'-2'

Coarse Gravel w/ sand 2'-25'

wet sand and gravel 25'-40'

Sand & Gravel 40'-56'

Sand & Gravel w/ little 56'-70'

Coarse Gravel w/ #20 70'-80'

Sieve analysis - 70'-80' = .040

Surface Seal 0'-30' Screen

3 Series of Static 60'

ben bridge Depth 80'

Well alignment Cased to 77'

Good 10/10/13 5' Screen



Well Test Pumping & Recovery

Date: 07/09/13

Site: Mont-Su Day School
3901 Bogard Rd.

City/Borough: Wasilla

Test Pump Size: 506pm

Test Pump Depth: 78'

Static Level: 60'9"

Time	Water Level	Pump Rate	Recovery
Minutes	60'9"	106pm	
1	60'11"		61'2"
2	61'		60'11"
3	61'2"		60'10"
4	61'5"		60'10"
5	61'8"		60'9"
6	61'11"		Full Recovery
7	61'4"		
8	61'4"		
9	61'4"		
10	61'4"		
12	61'4"		
14	61'5"		
16	61'5"		
18	61'5"		
20	61'5"		
25	61'5"		
30	61'5"		
35	61'5"		
40	61'5"		
45	61'5"		
50	61'5"		
55	61'5"		
1 hr.	61'5"	156pm	
15	61'8"		
20	61'8"		
45	61'8"		



Static Level: 6'-0" 9"

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