

## STATE OF ALASKA 70156 DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER Alaska Hydrologic Survey

## WATER WELL LOG Revised 08/18/2016

Drilling Start	ted:/	/	Comple	eted: <u>6 / 2</u>	22 / 2016	Pump li	nstall://			
City/Borough	Subdivis	ion	Block	Lot	Property Ov	vner Na	ame & Address			
Matanuska-Susitna Borough	Williams	Farm			Vall	ey	Utilities	Llc	AK,	
Well location: Latitude 61 Meridian S Towns	.349051 ship <u>015N</u> Ran	ge _004W	Section	<b>Longitud</b>	e <u>-150.032724</u> V1/4 of <u>_NW</u>	1/4 of	<u>SW</u> 1/4 of <u>NE</u> 1/4			
BOREHOLE DATA: (from ground surface) Suggest T.M. Hanna's hydrogeologic classification system* https://my.ngwa.org/NC Product?id=a18500000BYub3AAD Depth From To				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,						
Overburden		0	2	Heating, Geothermal Exploration, Other						
Sand and gravel		2	52	Fluids used:						
Dame sand and grav			56	Depth of hole:  338  ft  Casing stickup:  2  ft    Casing type:  Steel  Casing thickness:  0.25  inches						
Sand and gravel water		56	66							
Clay blue		66	160	Casing diameter:  6  inches  Casing depth:  214  ft    Liner type:   Depth:  ft  Diameter: inches						
Clay with some gravel		160	315	Note:						
Sand and gravel heaving		315	336	Well intake opening type: Open end, Open hole, Other screened						
Clay and gravel		336	338	Screen type:, Screen mesh size:						
		000	000	Screen start: <u>310</u> ft, Screen stop: <u>335</u> ft, Perforated Yes No Perforation description: Perf from: ft, Pe						
							ft, Perf to:		II, I EII	
							vel start: ft , Gra		ft	
				Note: See w						
							<u>74.6</u> ft on /			
							et after hours at	gpm		
				Developme	esting: nt method:		Duration:			
				Recovery ra	ate: <u>350</u>	_ gpm				
							Volume		tı.	
Include description or sketch o	f well location (ind	clude road	I names,				ft, To			
buildings, etc.):						ft Model: Brand name:		_		
							etion? Yes No			
				Method of d	-	roompr				
				Was water quality tested? Yes No						
				Water quality parameters tested:						
				Well driller i	name:					
							ER WELLS			
Ndth				Mailing address:    State: <u>AK</u> Zip:						
Nath				Phone 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 <b>45 days of well completion</b> . Well logs may										
				-						
be submitted using the online well log reporting system available at:				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						
https://dnr.alaska.gov/welts/					f this well log be vs of well comp		ed to the Development Se	rvices Depart	ment/City	
OR email electronic well logs to				City Permit N Date of Issue	City Permit Number: Date of Issue://					
dnr.water.reports@alaska.gov			Parcel Identification Number:							

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

## **WELTS ID 70156**

## **Certified Drilling Log**

1011148



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ADDRESS: 4237 E. Meridian Loop Wasilla, AK 99654			
LEGAL DESCRIPTION Williams Farm Tract A	Bore H	ole Data	
DATE: 6-22-16			
PERMIT NUMBER: DATE OF ISSUE:	From	epth To	
TAX IDENTIFICATION NUMBER	0	2	Casing Stickup
Is well located at approved permit location: Yes No	2	4	Overburden
Method of Drilling: 🛛 air rotary 🔤 cable tool	4	54	Sand & Gravel
Depth of Well: <u>337'</u>			<u> </u>
asing Type: Steel Wall thickness .250 inches	54	58	Damp Sand & Gravel
Diameter: <u>6</u> inches, depth <u>216</u> feet	58	68	Sand & Gravel Water
iner type	68	162	Clay Blue
ecovery Rate 350+ gpm gph	162	317	Clay w/ some Gravel
Aethod of Testing 24 Hour Pump Test	317	338	Sand & Gravel Heaving
Veli Intake Opening Type: 🔄 open end 🗌 open hole	338	340	Clay & Gravel
Screened Start 337 feet Stopped 312			
Perforations Start feet Stopped			-
Grout Type: Bentonite Volume: 100 lbs.			
Depth: from <u>2</u> feet, to <u>42 est.</u> feet			
Well Disinfected Upon Completion: 🛛 yes 🗌 no			
Aethod of Disinfection: Chlorine 50 PPM			
			<u> </u>
Comments:			<u> </u>
k packers, 3' riser, 5' 30 slot screen, 10' of 100 slot			
creen, 5' tail piece and bottom plate.		1	
			<u>_</u>
Conducted 24 hour pump test @ 350 gpm, Max		4	
rawdown was 152.1'			
		+	
		<u> </u>	
	Drillers	Name:	Cole Sullivan

ATTENTION: It is the responsibility of the property owner to submit a capy of the well los to the proper authority