

STATE OF ALASKA 69674 DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Start	ed:/	/	Compl	eted: <u>3</u> /_	<u>23 / 2015</u> Pump	o Install:/	_/	
City/Borough	Subdivis	ion	Block	Lot	Property Owner	Name & Address		
City & Borough of Juneau					City And	Borough	Of Juneau	AK,
Well location: Latitude 58.		0075			e -134.390976			
Meridian <u>C</u> Towns		-	Section					
BOREHOLE DATA : (from ground surface)				Drilling method: Air rotary, Cable tool, Other				
Suggest T.M. Hanna's hydrogeologic classification system* https://my.ngwa.org/NC Product?id=a185000000BYub3AAD				Well use: Public supply, Domestic, Reinjection, Hydrofracking				
Depth				Commercial, Observation/Monitoring, Test/Exploratory, Cooling,				
<u>From To</u>				☐ Irrigation/Agriculture, ☐Grounding, ☐Recharge/Aquifer Storage, ☐ Heating, ☐Geothermal Exploration, ☐Other				
Previously constructed	• •		3	-		ration, Other		
Well graded sands and gravels with larger boulders, w		•	40	Fluids used	ble: <u>120</u> ft	Casing stickup:	3 ft	
Sandy gravel interspersed with layer	rs of silts and clays	40	80				ness:n inch	es
Coarse sand, water sa	turation	80	115		meter: <u>16</u> ir			00
					Depth			
				Note:	-			
							ole, Other screened	
					e:, Scree			-
							ft, Perforated Yes	
							Perf from:	_ ft, Perf
					_ft, Perf from:		ft , Gravel stop:	44
				Note:			nt, Graver stop	. n
					r (from top of casing): 3 ft on	// Artesia	an well
					evel & yield: <u>55</u>			
				Method of	testing:			
					ent method: See well		n:	
					ate: gpn			
					m			
Include description or sketch of	f well location (ind	clude road	d names,					
buildings, etc.):			Final pump intake depth: ft Model: Pump size: hp Brand name:					
				-	isinfected upon com			
					disinfection:			
					quality tested?			
				Water qual	ity parameters teste	d:		
				well driller	name:			
			North	City:		State: <u>AK</u> Z	íp:	
AS 41 08 020(b)(4) and AAC 1	11 AAC 93 140(a)) require t	hat a		nber: ()			
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:			Date:			Ordinance 13.32.030(D)	<u> </u>	
			Anchorage N that a copy of	Aunicipal Code 15.55.0	160(I) and North Pole hitted to the Developm	Ordinance 13.32.030(D) tent Services Department	require :/Citv	
https://dnr.alaska.gov/welts/					ys of well completion			2
				City Permit Number:				
OR email electronic well logs to				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

CITY AND BOROUGH OF JUNEAU DRILLING LOG WELL 6

Driller	Aquasource LLC.			
Method of Construction	Air Rotary Drill			
Type of Fluids Used for Drilling	None			
Location of Well	59° 18' 26.44" N, 134° 23' 27.43" W			
Soile Log	See attached gradations for Test Well TW-6-15 and Material			
Soils Log	Description of materials encountered below			
Depth of Casing	80' Below Ground Surface			
Height of Casing Above Ground	3' Above Ground Surface			
Depth and Type of Grouting	25' Below Ground Surface, Bentonite Grout			
Depth of Screens	80' to 115'			
Casing Diameter	16" OD			
Casing Material	ASTM A53 Steel Grade B			
Depth of Perforations or Openings in	None			
Casing				
Well Development Method	Air Lifting/Swabbing, Hydropuls While Pumping, Water Jetting			
	While Pumping			
Total Depth of Well	120' (Includes 5' Blank Tail Pipe attached to bottom of well			
	screen)			
Depth to Static Water Level	Varies from 3' to 8'			
Anticipated Use of the Well	Public water supply, intermittent use			
Maximum Well Yield	1,860 gpm			
Drawdown Test Results	24-Hour Pump Test at 1,700 gpm, Drawdown=55.0'			
Pump Intake Depth and Performance	Pump intake installed 67' below ground surface, Pump VFD			
Data	curves are attached.			

Depth from Ground Surface	Material Description		
0 to 3'	Previously Constructed Building Pad		
3' to 40'	Well graded sands and gravels with larger boulders, water encountered at about 6'		
40' to 80'	Sandy Gravel interspersed with layers of silts and clays		
80' to 115'	Coarse Sand, water saturation		

James L. Dorn P.E. Carson Dorn Inc.







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