

## STATE OF ALASKA 34235 DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

			eted: 9 / 22 / 2011 Pump Install://				
City/Borough	Subdivision Block		Lot Property Owner Name & Address				
			Us National Park Service, Denali,				
Well location: Latitude 63.453331 Longitude -150.873764							
Meridian F Township 017S Range 017W Section 07 , NW 1/4 of SW 1/4 of NE 1/4 of SE 1/4							
Suggest T.M. Hanna's hydrog https://my.ngwa.org/NC Prod	eologic classifica uct?id=a185000000		<u>Drilling method:</u> Air rotary,Cable tool,Other Well use: ■ Public supply,Domestic,Reinjection,HydrofrackingCommercial,Observation/Monitoring,Test/Exploratory,Cooling,Irrigation/Agriculture,Grounding,Recharge/Aquifer Storage,				
			☐ Heating, ☐ Geothermal Exploration, ☐ Other				
			Fluids used:				
			Depth of hole: 130ft Casing stickup:ft				
			Casing type: inches				
			Casing diameter: inches Casing depth: ft				
			Liner type: Depth: ft Diameter:inches				
			Note: CASED WKITH SCREEN 125 FT TO 130 FT				
			Well intake opening type: ☐ Open end,☐Open hole, ☐ Other				
			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): 98  ft on/ Artesian well				
			Pumping level & yield: feet after hours at 13 gpm  Method of testing:				
			Development method: Duration:				
			Recovery rate:gpm				
			Grout type: Volume				
			Depth: Fromft, Toft				
Include description or sketch of well location (include road names, buildings, etc.):			Final pump intake depth: ft Model:				
bullulings, etc.).			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: VALLEY WELL DRILLING				
			Mailing address:				
		North	City: State: <u>AK</u> Zip:				
AS 41.08.020(b)(4) and AAC 1			Driller's signature:				
copy of the well log be submitt Resources within <b>45 days of v</b>							
be submitted using the online			Date://				
available at: https://dnr.alaska.gov/we	elts/		that a copy of this well log be submitted to the Development Services Department/City within 30 days of well completion.				
OR email electronic well logs to			City Permit Number: Date of Issue://				
dnr.water.reports@alask	<u>ka.gov</u>		Parcel Identification Number:				

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

Parcel Identification Number: \_\_\_\_\_-

Is well located at approved permit location? Yes  $\square$  or No  $\square$ 

				Drilling Started: 9 / 20 / 2011, Completed: 9 / 22 / 2011	
City/Borough:	Subdivision:	BLOC	k Lo	Property Owner Name & Address:	
DNP - Denali	Wonder Lake #2			National Park Service 240 West 5th Ave Anchorage AK 99501	
Meridian	Township	Range		Section , 1/4 of 1/4 of 1/4 of 1/4	
BOREHOLE DATA: (from ground surface) Depth Material: Type, Color & wetness From To				Drilling method: M Air rotary, □ Cable tool □ Other Well use: M Public supply, □ Domestic, □ Other	
Gravels, Styrofoam, and pad material		0	3	Depth of hole: 130 ft, Casing stickup: 2 ft	
Dark Gray shale		3	7	Casing type: Steel Thickness .250 inches Casing diameter: 6 inches Casing depth 125 ft Liner type: Diameter: inches Depth: ft Note:	
Gray sandy fractured rock		7	16		
Sandy gravel and fractured rock, gray		16	32		
Brown moist cla	ay	32	50	Static water (from top of casing): 98 ft on 9 / 22 / 2011	
Gray hardpan (silty sand and gravel)		50	62	Pumping level & yield: 110.5 feet after 4 hours at 18 gpm  Recovery rate: 13 gpm, Method of testing: 3 hp pump  Development method: pumping Duration: 4 hours  Well intake opening type: ★ Open end □ Open hole , Other □	
Brown sandy gravel and silty water		62	75		
Clean gravel and water		75	85		
Silty saturated g	gravels, gray	85	97	<b>K</b> Screened; Start: 125	
Silty water and gravel		97	109	□ Perforated; Start:	
Sandy water and gravel, brown		109	120		
Sandy gravel and increased water		120	130	Note:	
<u></u>				Grout type: Granular casing seal Volume 5 sacks	
		1		Depth; from 0 - ground surface ft, to 10 ft	
	-			Pump intake depth: ft Pump size hp Brand name	
				Was well disinfected upon completion? ▼ Yes ☐ No Method of disinfection: 50 PPM Chlorine washed in from surface	
		<del> </del>		Driller comments/ disclaimers:	
	OF MEDICAL DESC	HOCEC		Teorie Donoum	
DEPT. OF NATURAL RESOURCES DIV. OF MINING. LAND & WATER				Well driller name: Travis Denevan Company name: Valley Well Drilling	
OCT 2 0 2011				Mailing address: PO Box 3253	
				City: Palmer State: AK Zip 99645	
DIRECTORS OFFICE				Phone number : (907)373 4855	
ANCHORAGE				Drillers signature: Janes Dimen	
				Date: 9 / 27 / 2011	
Alaska state law requires that a copy of this well log be forwarded to the Department of Natural Resources within 45 days (AK statutes 38.05.020, 38.05.035, 41.08.020, 46.15.020 and AK regulations 11 AAC 93.140). Faxes are acceptable.  Alaska DNR, Division of Mining, Land and Water, 550 W 7 <sup>th</sup> Avenue, Suite 1020				If the well is within city limits, the City of Anchorage requires that a copy of this well log be forwarded to the city within 60 days and another copy of this log be forwarded to the owner of the property, on which the well is located, within 30 days.  City Permit Number:  Date of Issue: //	

Anchorage, AK 99501-3562

Phone (907)269-8639 and fax (907)269-8947