

### STATE OF ALASKA 83724 DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER Alaska Hydrologic Survey

## WATER WELL LOG Revised 08/18/2016

Drilling Started:	/	/	Compl	ed: <u>3 / 6 / 1997</u> Pump Ins	tall://
City/Borough	Subdivis	ion	Block	Lot Property Owner Nam	e & Address
				City Of	Pilot Station,
Well location: Latitude 61.942           Meridian S         Township	19000000001 021N Ran	ge_074W	Section	_ <b>Longitude</b>	<u>N</u> 1/4 of <u>NE</u> 1/4
BOREHOLE DATA: (from grou Suggest T.M. Hanna's hydrogeole https://my.ngwa.org/NC Product?	ogic classifi	cation sy	stem* <u>3AAD</u> epth <u>To</u>	Drilling method: Air rotary, Cable Well use: Public supply, Domes Commercial, Observation/Monite Irrigation/Agriculture, Grounding	tic,
Frozen to wet, brown, silt, depth of frost at about 1.5ft. Seep encountered	ed at about 10ft. possible	0	25	Heating, Geothermal Exploration	n, 🔲 Other
Dark gray, siltstone, upper 7ft.	weathered.	25	33	Fluids used:	
Tan brown sandstone		33	40	Depth of hole: $\frac{152}{152}$ ft Ca	
Reddish brown competent sandstone. small layer of gray s	siltstone at about 54ft.	40	72	Casing type: <u>Steel</u>	Casing thickness: inches
Dark gray competent sil	ltstone	72	100	Liner type: <u>PVC</u> Depth:	
Dark gray competent silts		100	152	Note:	
				Screen type: <u>PVC</u> , Screen me	end, <b></b> Open hole, <b>.</b> ∎Other <u>screened</u> esh size: <u>20</u> top: <u>152</u> ft, Perforated <b>_</b> Yes <b>■</b> No
					Perf from: ft, Perf
				o:ft, Perf from:	
					start: ft , Gravel stop: ft
				Note:	ft on <u>1 / 29 / 1997</u> Artesian well
				Pumping level & yield: feet a Method of testing: Development method:	after hours at <u>75</u> gpm
				Recovery rate: gpm	
				Grout type: <u>Bentonite chips</u> Depth: From <u>0</u>	
Include description or sketch of we	Il location (in	clude road	d names,	Final pump intake depth:	
buildings, etc.):				Pump size: hp Bra	
				Was well disinfected upon completion	
				Method of disinfection:	
				Nas water quality tested? Yes	No
				Water quality parameters tested:	
				ven driller name:	
				Company name: DISCOVERY DRILL	
			*	Mailing address:	
			Nath	Phone number: ()	- State. <u>AN</u> 210
AS 41.08.020(b)(4) and AAC 11 A copy of the well log be submitted t Resources within <b>45 days of well</b>	to the Departi	ment of N	atural	Driller's signature:	
be submitted using the online well log reporting system				Anchorage Municipal Code 15.55.060(I)	and North Pole Ordinance 13.32.030(D) require
available at: https://dnr.alaska.gov/welts	<u>/</u>			hat a copy of this well log be submitted within <b>30 days of well completion</b> .	to the Development Services Department/City
OR email electronic well logs to				City Permit Number:	
dnr.water.reports@alaska.g	<u>jov</u>			Parcel Identification Number:	

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

	vater 1020 1552 100 100 100 100 100 100 100 10	ommission	Division of Enviro dec.eh.dr	inmental H Finkingw SiON	lealth, Dr / vater.rep 2021		State Of Alaska		
This form is intended to convey information regarding the d	commisioning of a wate	r well as required	by both DEC an	d DNR.	Add add	ditional datasheets (e.g.,	site schematic and p	hotos) as r	ecessary.
Well Decommissioner or Contractor				Well a	and Own	ner Details *			
Name: John Ray		e and address:	14	of	PI	lot Sta	tion		
Company: Timberline Excavation	Well location - Str	eet & number:							
Address: 3230 Survey DI.	Well location - Subdivis	sion, Lot & Block:							
(continued): Fairbanks AK 99705	Meridian:	Township:	Ra	nge:		Section:	Quarters:		
Phone: 907-957-7716	GPS to 5 places: Latitud	e:		Longi	tude:	0	Datum:		
Email: Timber. incegmail. con	Well Name or AK W	ELTS Number:	well	R	3-				
Please check all boxes that apply and provide all requested in		and the second sec		B					
Details of Former Well	Fc	ormer Well Desc	ription (Not r	equire	d if orig	inal well log attached			
Public water system? (See note ** Yes: No: Original Driller's N	Jame: $\Lambda \wedge$		Sale Ver			Well depth (ft bls): 100	Date of completion:	7 ,20	0,17
If so, PWSID number: 2260163 Well Type	Drilled Yes: No:	Finish	Cased Yes:	No:	N/A Unknown	SWL (ft bls):	Flowing artesian Yes:	No	N/A Unknown
Single Family Domestic Yes: No:	Driven Yes: No:	] (	Capped Yes:	No:	N/A Unknown	Bedrock (ft bls):	Flood prone site Yes:	No	N/A Unknown
Commercial/ Fishery Yes: No:	Jetted Yes: No:	Sc	reened Yes:	No:	N/A Unknown	Casing type: PVC	Well condition Good:	Poor:	N/A Unknown
Irrigation/Agricultural Yes: No:	Dug Yes: No:	Per	forated Yes:	No:	N/A Unknown	Diameter (inches): 411	Grouted Yes:	No:	N/A Unknown
Heating / Cooling Yes: No:	Unknown Yes: No:	Well liner	present Yes:	No:	N/A Unknown	Stickup (ft):	Well house Yes:	No:)	N/A Unknown
** Public Water System decommissioning may requires addit	ional documentation, ple			11					
	ell decommissioning:				De	commissioning process			
Include notes regarding any deviations from state 10	er in use	Casing cut belo	w grade (es:)	No:	N/A Unknown	Well disinfected prior to de	commissioning Yes:	No	N/A Unknown
approved methods of decommissioning as described in 18 AAC 80.015e.		Casing fully r	emoved (Yes:)	No:	N/A Unknown	Plumbing remov	ved from casing res	No:	N/A Unknown
http://dec.alaska.gov/eh/dw/regulations/		Casing filled with b	entonite (Yes;	No:	N/A Unknown		f any) removed (Yes:)	No:	N/A Unknown
AWWA A100 Method Yes: No: Excavati	on and Fill Details	Casing welder	~	No:)	N/A Unknown		noved from site	No:	N/A Unknown
Alaska BMPs Method Ves: No: Placement meth	od		refilled Yes:	No	N/A		original well log Yes:	(No:)	N/A
Other Method (describe below) Yes: No: Excavation Depth		Screen filled wit	~	No	Unknown N/A	A State of the second	g listed at DNR Yes:	No:	Unknown N/A
Type of fill u		Perforations filled wi		No	Unknown N/A		norities notified Yes:	No:	Unknown N/A
Volume of fill (c	•		refilled Yes:	No:	Unknown N/A	in the sets	commissioning Yes:	0	Unknown N/A
# Bags of bentonite in ca	20	-			Unknown N/A			No:	Unknown N/A
# bags of bencome in ca	sing		ounded Yes:	No:	Unknown	DNR notified of de	commissioning Yes:	Mo:	Unknown
		*** Signatures	required						
Owner***:	A.CONRAD, AN		commisioner /	Contrac	:tor***:	Joh Ru	2		
Date: <u>6/6/22</u> / /	ON BEHALF OF	THE CITY			Date:	7 1 28	117		-
<ol> <li>Submit this form to DNR and DEC (see contact info at top of form) within 45 days of dec</li> <li>Attach an original water well log. If not available, a blank water well log form is availabl</li> <li>Attach maintenance or water usage records and provide an adequate locational descrip</li> <li>This form is under development and is subject to change. Please submit suggestions for</li> </ol>	e at http://dnr.alaska.gov/mlw/forn tion, including maps or sketches. Us	ns/#waterother if well det e additional pages as need			this form	h schematics and photos to n. This is particularly impor any other wells that might i	tant for public water	system wells	3-//

# RECORD OF WELL INSTALLATION

## Well B

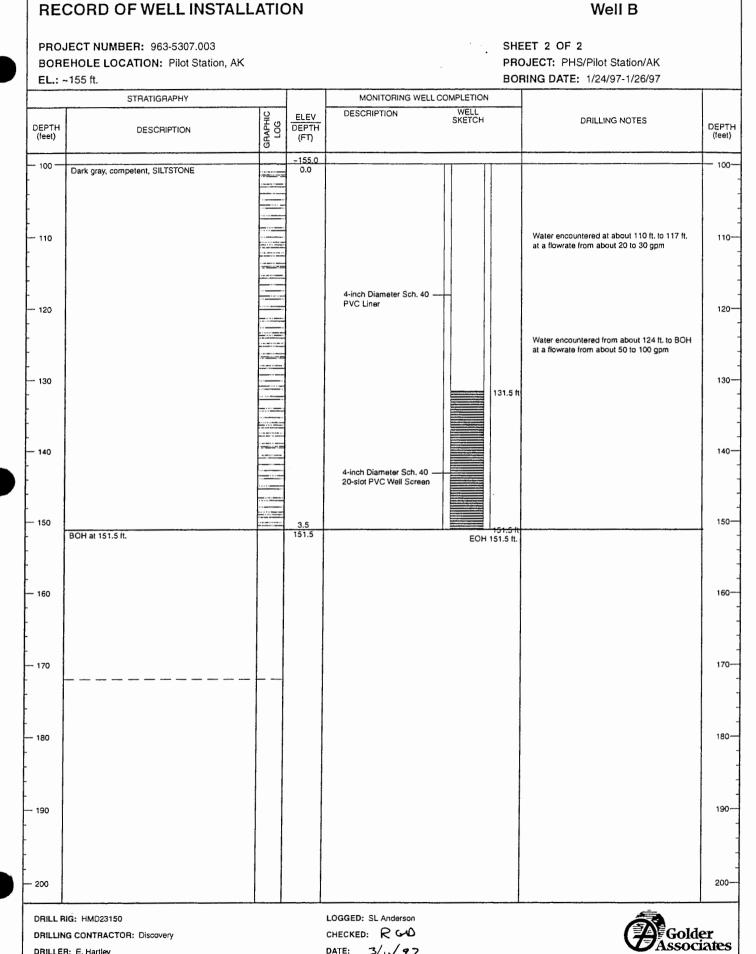
PROJECT NUMBER: 963-5307.003

BOREHOLE LOCATION: Pilot Station, AK

#### PROJECT: PHS/Pilot Station/AK BORING DATE: 1/24/97-1/26/97

SHEET 1 OF 2

DESCRIPTION     End of a construction of construction of a construction of construction of a c	STRATIGRAPHY			MONITORING WE		N			
U       Feeder (Not) (sivel, brown, SULT, depth of frest at 1.5 ft.       Image: Comparison of frest at 1.5 ft.       Image: Comparison of frest at 1.5 ft.       Image: Comparison of frest at 1.5 ft.         10       Water seep encountered at about 10 ft.       Image: Comparison of frest at 22 ft.       Image: Comparison of frest at 22 ft.       Image: Comparison of frest at 22 ft.         00       Tan brown, SANDSTONE       Image: Comparison of frest at 22 ft.       Image: Comparison of frest at 22 ft.       Image: Comparison of frest at 22 ft.         10       Tan brown, SANDSTONE       Image: Comparison of frest at 22 ft.       Image: Comparison of frest at 22 ft.       Image: Comparison of frest at 22 ft.         11       Tan brown, SANDSTONE       Image: Comparison of frest at 22 ft.       Image: Comparison of frest at 22 ft.       Image: Comparison of frest at 22 ft.         12       Tan brown, SANDSTONE       Image: Comparison of frest at 22 ft.       Image: Comparison of frest at 22 ft.       Image: Comparison of frest at 22 ft.         50       Small layer of gray SILTSTONE at about 54 ft.       Image: Comparison of frest at 20 ft.       Image: Comparison of frest at 20 ft.         60       Dark gray, comparison, SILTSTONE       Image: Comparison of ft.       Image: Comparison of ft.       Image: Comparison of ft.         72       Dark gray, comparison, SILTSTONE       Image: Comparison of ft.       Image: Comparis in cutings)       Image: Comparison of ft. </th <th></th> <th colspan="2">DESCRIPTION DESCRIPTION</th> <th>ELEV DEPTH (FT)</th> <th>DESCRIPTION</th> <th>WELL SKETCH</th> <th></th> <th>DRILLING NOTES</th> <th>DEF (fe</th>		DESCRIPTION DESCRIPTION		ELEV DEPTH (FT)	DESCRIPTION	WELL SKETCH		DRILLING NOTES	DEF (fe
al 1.5 ft. al 1.5 ft. Water seep encountered at about 10 ft. Dark gray. SUITSTONE. Upper 7 ft. weathered Dark gray. SUITSTONE. Junger 7 ft. weathered Dark gray. Compatient, SANDSTONE - 41.0 Small layer of gray SUITSTONE at about 54 ft. Dark gray. compatient, SUITSTONE - 41.0 Dark gray. compatient, SUITS	0	Frozen (Nbn) to wet brown. SILT depth of frost				8	<b>k</b>		-
10     Water seep encountered at about 10 ft.       20     Possible gravels at 22 ft.       21     Dark gray, SUTSTORE, upper 7 ft. weathered       22     ft.       23     That brown, SANDSTORE       24     ft.       250     ft.       26 ft.     ft.       27     That brown, SANDSTORE       28     ft.       29     ft.       20     ft.       21     ft.       22     ft.       23.0     ft.       24     ft.       25.0     ft.       26.1     ft.       27     ft.       28.2					6-inch Diameter				
Possible gravels at 22 ft. Dark gray, SILTSTONE, upper 7 ft. weathered 100 Tan brown, SANDSTONE 114.0	10	Water seep encountered at about 10 ft.							
Dark gray, SILTSTONE, upper 7 ft. weathered 25.0 30 Tan brown, SANDSTONE Tan brown, competent, SANDSTONE  122.0 33.0 4.inch Diameter Sch. 40 VC Liner  4.inch Diameter Sch. 40 VC Liner  50 Small layer of gray SILTSTONE at about 54 ft. 50 Dark gray, competent, SILTSTONE  70 Dark gray, competent, SILTSTONE  72 Dark gray, competent, SILTSTONE  73 PC Liner  74.0 PC Liner  75.0 PC Lin	20	Possible gravels at 22 ft.					26 t		
Tan brown, SANDSTONE     33.0       40     Image: Single	30	Dark gray, SILTSTONE, upper 7 ft. weathered						- 	
Reddish brown, competent, SANDSTONE     41.0     4-inch Diameter Sch. 40     Headian Diameter Sch. 40       50     Small layer of gray SILTSTONE at about 54 ft.     Image: State of gray Silt Strone at about 54 ft.     Image: State of gray Silt Strone at about 54 ft.       60     Image: State of gray Silt Strone at about 54 ft.     Image: State of gray Silt Strone at about 50 ft. to 65 ft. at a flowrate from about 40 ft gray Silt Strone at about 40 ft.     Image: State of gray Silt Strone at about 50 ft. to 65 ft. at a flowrate from about 40 ft. to 65 ft. at a flowrate from about 40 ft.       70     Image: State of gray Silt Strone at about 75 ft. (large fragments in cuttings)       80     Image: State of gray Silt Strone at about 75 ft. (large fragments in cuttings)	40	Tan brown, SANDSTONE		33.0					
Small layer of gray SILTSTONE at about 54 ft. 50 Small layer of gray SILTSTONE at about 54 ft. 53.8' 1/28'97 Water encountered from about 60 ft. to 65 ft. at a flowrate from about 4 to 5 gpm 72.0 72.0 72.0 90 Lark gray, competent, SILTSTONE 90 Lark gray, competent, SILTSTONE 91 Lark gray, competent, SILTSTONE 92 Lark gray, competent, SILTSTONE 93 Lark gray, competent, SILTSTONE 94 Lark gray, competent, SILTSTONE 95 Lark gray, competent, SILTSTONE 95 Lark gray, competent, SILTSTONE 96 Lark gray, competent, SILTSTONE 97 Lark gray, competent, SILTSTONE 96 Lark gray, competent, SILTSTONE 97 Lark gray, competent, SILTSTONE 98 Lark gray, competent, SILTSTONE 98 Lark gray, competent, SILTSTONE 99 Lark gray, competent, SILTSTONE 90 Lark gray, competent, SILTSTONE 91 Lark gray, competent, SILTSTONE 92 Lark gray, competent, SILTSTONE 93 Lark gray, competent, SILTSTONE 94 Lark gray, competent, SILTSTONE 94 Lark gray, competent, SILTSTONE 94 Lark gray, competent, SILTSTONE 95 Lark gray, competent, SILTST	50	Reddish brown, competent, SANDSTONE				0			
70     83.0       Dark gray, competent, SILTSTONE     72.0       80     72.0       90     90	60	Small layer of gray SILTSTONE at about 54 ft.				53.8'		Water encountered from about 60 ft. to 65 ft.	
BO SO SO SO SO SO SO SO SO SO S								a, a nowrate norm about 4 to 5 gpm	
90	10	Dark gray, competent, SILTSTONE							
	80								
	90							Water encountered from about 94 ft. to 97 ft.	
100     Log continued on next page     at a flowrate from about 10 to 12 gpm	100	Log continued on next page						at a flowrate from about 10 to 12 gpm	



DATE:

DRILLER: E. Hartley

3/0/97

**RECORD OF WELL INSTALLATION**