



STATE OF ALASKA 84556
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER
Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Started: ____ / ____ / ____ Completed: 6 / 5 / 1993 Pump Install: ____ / ____ / ____

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Kenai Peninsula Borough				Richard Millett ,

Well location: Latitude 60.0394 Longitude -151.678
Meridian S Township 002S Range 014W Section 03 , NE 1/4 of NW 1/4 of NW 1/4 of NW 1/4

BOREHOLE DATA: (from ground surface)

Suggest T.M. Hanna's hydrogeologic classification system*
https://my.ngwa.org/NC_Product?id=a185000000BYub3AAD

	Depth	
	From	To
Clay	0	8
gravel	8	11
? gravel	11	24
water clay sandy	24	26
coal sand	26	37
gravel	37	53
inter beading sand	53	65
blue clay	65	67
water sand and shale	67	74
shale gravel	74	93
shale	93	114
clean coal	114	119
shale	119	145
water sand and shale	145	178

Include description or sketch of well location (include road names, buildings, etc.):

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,
☐ Heating, ☐ Geothermal Exploration, ☐ Other _____

Fluids used: _____

Depth of hole: 178 ft Casing stickup: 2 ft

Casing type: _____ Casing thickness: _____ inches

Casing diameter: 6 inches Casing depth: 115 ft

Liner type: _____ Depth: 178 ft Diameter: 5 inches

Note: _____

Well intake opening type: ☐ Open end, ☐ Open hole, ☒ Other perforated

Screen type: _____, Screen mesh size: _____

Screen start: _____ ft, Screen stop: _____ ft, Perforated ☒ Yes ☐ No

Perforation description: _____ Perf from: 170 ft, Perf

to: 178 ft, Perf from: _____ ft, Perf to: _____ ft

Gravel packed ☐ Yes ☒ No Gravel start: _____ ft, Gravel stop: _____ ft

Note: _____

Static water (from top of casing): 90 ft on ____ / ____ / ____ Artesian well ☐

Pumping level & yield: 84 feet after _____ hours at 8 gpm

Method of testing: _____

Development method: _____ Duration: _____

Recovery rate: 8 gpm

Grout type: _____ Volume _____

Depth: From _____ ft, To _____ ft

Final pump intake depth: _____ ft Model: _____

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: JAY BYRD DRILLING

Mailing address: _____

City: _____ State: AK Zip: _____

Phone number: (_____) _____ - _____

Driller's signature: _____

Date: ____ / ____ / ____

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 within 30 days of well completion.

City Permit Number: _____

Date of Issue: ____ / ____ / ____

Parcel Identification 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 45 days of well completion. Well logs may be submitted using the online well log reporting system available at:

<https://dnr.alaska.gov/welts/>

OR email electronic well logs to

dnr.water.reports@alaska.gov

JAY BYRD DRILLING

P.O. Box 1703

Soldotna, AK. 99669

WELL LOG

907-262-7580

DATE 6/7/93

LOCATION OF WELL		LOT	BLK	AREA
Borough <u>Kenai PENN</u>	Subdivision			

 Mea. Pt. ☐ top of casing ☒ ground surface Well owner
Richard M. Hett

FORMATION	DEPTH		Depth of hole <u>178</u> ft. Depth of casing <u>115</u> ft. Date of completion <u>6/5/93</u>
	FROM	TO	
Clay		08	Method of drilling ☒ cable tool ☐ air rotary ☐ other
GRAVEL	08	11	
sd GRAVEL	11	24	Casing Dia. <u>6</u> in. stub up <u>28</u> in.
GRAVEL	24	26	
Coal Sand	26	37	Well completion ☐ perforated ☐ open end ☒ liner ☐ screen ☐ open hole
GRAVEL	37	53	
Water Bearing Sand	53	65	size <u>5</u> in. length <u>70</u> ft. slot <u>1/8 x 1/2</u> in.
Blue clay	65	67	
Water Sand & Shale	67	74	☒ liner / ☐ screen set at <u>103</u> to <u>178</u> ft.
Shale GRAVEL	74	93	
Shale	93	114	Strata perforated <u>170</u> to <u>178</u> ft.
Clean coal	114	119	
Shale	119	145	Static level <u>90</u> ft Full recovery _____ min. Pump _____ gpm Draw down <u>87</u> ft Ball <u>8</u> gpm Draw down <u>84</u> ft Pump set depth _____ ft _____ hp.
Water Sand & Shale	145	178	
FOR WAIVER ANALYSIS 5/1/95			Drop Pipe ☐ galv. ☐ poly dia. _____ in length _____ ft date installed ____/____/____

 REMARKS
 Stopped by sand water bearing
 with shale 145' 178'
 Soil test & clean up @ 160pm
 8 GPM Recovery

(use continuation sheet for Class A & B)

PROJECT: _____ DATE OF TEST: 7-5-93

LOCATION OF WELL (Legal Description): _____

WELL DEPTH: 178 FT. CASING: 115 FT SCREEN: 4 1/2" #10 PVC

DATE DRILLING COMPLETED: 6-5-93 DRILLER: J. Sydn, Gary Sydn

STATIC WATER LEVEL (Top of Casing): 28 FT DATE: 7.5.93

Clock Time	Elapsed Time Since Pumping Started/Stopped, Min.	Depth to Water, ft.	Drawdown/Recovery	Pumping Rate, GPM	Remarks
	0	(swl)	0	0	Start
<u>1:00 PM</u>	1	<u>90</u>			
	5	<u>131.6</u>	<u>21.6</u>	<u>11</u>	
	10	<u>135.6</u>	<u>14.0</u>		
	15	<u>141.9</u>	<u>9.3</u>		
	20	<u>151.0</u>	<u>6.3</u>		
	25	<u>156.4</u>	<u>5.4</u>		
	30	<u>161.4</u>	<u>5.0</u>		
	35	<u>165.10</u>	<u>4.6</u>		
	40	<u>168.10</u>	<u>3.0</u>		
	45	<u>170.0</u>	<u>1.2</u>		
	50	<u>170.0</u>	<u>0</u>		
	55	<u>170.0</u>	<u>0</u>	<u>8-8 GPM</u>	
	60 (1 hour)				
	90				
	120 (2 hours)				
	150				
	180 (3 hours)				
	210				
<u>3:00 PM</u>	240 (4 hours)	<u>170.0</u>	<u>0</u>	<u>8 GPM</u>	
	RECOVERY				
	t 0	t'			t/t'
	0		<u>170</u>	<u>0</u>	
	5		<u>150</u>	<u>20</u>	
	10		<u>136.6</u>	<u>13.6</u>	
	15		<u>123.8</u>	<u>12.10</u>	
	20		<u>113.6</u>	<u>10.2</u>	
	25		<u>96.0</u>	<u>7.6</u>	
	30		<u>90.0</u>	<u>6.0</u>	
	35				

1920 GALLONS
IN 4 HOURS

Comments: Having failed for clean up & determined
yield @ 8 GPM, pumped yield & drawdown with
1 1/2 HP pump. Choked to 11 GPM.