73094

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

WATER WELL LOG Revised 08/18/2016

Drilling Started: ____/____/_____ Completed: 9 / 29 / 2010 Pump Install: ____/____/_____

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Kenai Peninsula Borough	ARK ESTATES SUB ADDN NO 1 PORTION BLKS	1	16	Duke McGee AK,

Well location: Latitude 60.5144501 **Longitude** -151.239838

Meridian S Township 005N Range 011W Section 20 , NW 1/4 of SW 1/4 of NE 1/4 of NE 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	Depth To
Fine silty sand	0	8
Coarse to fine silty sand	8	14
Coarse sand with gravel	14	25
(water bearing) coarse sand with gravel	25	33

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

North

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: 33 ft Casing stickup: _____ft

Casing type: _____ Casing thickness: _____ inches

Casing diameter: _____ inches Casing depth: _____ ft

Liner type: _____ Depth: _____ ft Diameter: _____inches

Note: _____

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

Screen type: 18 slot, Screen mesh size: 18

Screen start: 33 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): 10 ft on____/____/_____ Artesian well ☐

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

Method of testing: _____

Development method: _____ Duration: _____

Recovery rate: 20 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: ECHO LAKE DRILLING.....

Mailing address:.....

City: _____ State: AK Zip: _____

Phone number: (_____) _____- _____

Driller's signature: _____

Date: _____/_____/_____

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

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: _____-_____-_____

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

ECHO LAKE DRILLING
P.O. B.X. 551
SOLDOTNA, AK. 99669
(907)262-6188

9-29-10

WELL LOG : DUKE MCGEE
VIP PARK EST. SUB AD # 1 BLOCK 1 & 3 LOT 16 BLOCK 1
KENAI, AK. 99611

DOCUMENTED FOOTAGE :

0-8 FT.	FINE SILTY SAND
8-14 FT.	COARSE TO FINE SILTY SAND
14-25 FT.	COARSE SAND WITH GRAVEL
25-33 FT.	(WATER BERRING) COARSE SAND WITH GRAVEL

18 SLOT SCREEN SET AT 33FT. FROM GROUND LEVEL
STATIC HEAD 10FT. FROM GROUND LEVEL
WELL PRODUCES 20 GAL PER MINUTE WITH 1FT. DRAW DOWN

Billy A Cuoy 9-29-10