

STATE OF ALASKA 23836 DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

	ed: <u>12 / 5 / 19</u>	996 Comple	eted: 12 / 6 / 1996 Pump Install://
City/Borough	Subdivision	Block	Lot Property Owner Name & Address
Kuspuk REAA			Donlin Gold Llc 4720 BUSINESS PARK BLVD SUITE G-25 AK, 99503
Well location: Latitude 62.0263405 Longitude -158.217789			
Meridian S Township 022N Range 049W Section 02 , SW 1/4 of SW 1/4 of SE 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			Drilling method: ☐Air rotary, ☐Cable tool, ☐Other
Depth From To			☐ Commercial, ☐ Observation/Monitoring, ☐ Test/Exploratory, ☐ Cooling, ☐ Irrigation/Agriculture, ☐ Grounding, ☐ Recharge/Aquifer Storage,
			☐ Heating, ☐ Geothermal Exploration, ☐ Other
			Fluids used:
			Depth of hole: 530 ft Casing stickup:ft
			Casing type: inches
			Casing diameter: inches Casing depth: 60 ft
			Liner type: Depth: ft Diameter:inches Note: CASED TO 60 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): 94 ft on/ Artesian well
			Pumping level & yield: feet after hours at 7 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,		e road names,	Final pump intake depth: ft Model:
buildings, 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: DATELINE DRILLING
			Mailing address:
No. of the			City: State: <u>AK</u> Zip:
· · · · ·			Phone 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/			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.
OR email electronic well logs to			City Permit Number: Date of Issue://
dnr.water.reports@alaska.gov			Parcel Identification Number:
diff.water.reports e alaska.gov			i discritatifullodisti i valificot.

WELL - 3

Well Completion Log Hole #: DCR96-329 (camp water well #3)

Placer Dome U.S., Inc. Donlin Creek Project - 1996

Drilled by:

Mark Cash

Dateline Drilling, Inc. 3650 N. Grant Creek Road Missoula, MT 59802 (406) 542-1010

Logged by:

Garth Graham / Mike Nerup Placer Dome U.S., Inc.

Location:

T22N, R49W, SE 1/4 of NE 1/4 sec 3

UTM coordinates: N 6877236.30, E 541046.39 Elevation: 740.10 feet (225.57 meters)

Drilling Notes:

Total well depth: 530 feet.

Water table intercepted at 180 feet.

Drilled at a 7.25 inch diameter 0 to 40 feet. Drilled at a 5.5 inch diameter 40 to 530 feet.

Surface casing set to 40 feet. Grouted to approximately 20 feet. Dates drilled: December 5th through 6th.

Threaded 4 Inch schedule 180 pvc pipe set to 520 feet. Slots cut in pvc pipe along a 40 foot section at 420 to 460 feet.

Geologic Notes:

0 to 20 feet : overburden consisting of graywacke fragments. 20 to 530 feet : Competent meta-sedimentary rocks with local areas of fracturing. Meta-sedimentary rocks consist of

graywacke > siltstone > argillite.