



STATE OF ALASKA 49893
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER
Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Started: ____/____/____ Completed: 6 / 1 / 1984 Pump Install: ____/____/____

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Denali Borough	NA		NA	Tundra Tours Inc AK,

Well location: Latitude 63.7476578 Longitude -148.898514
Meridian F Township 013S Range 007W Section 34 NE 1/4 of NW 1/4 of SW 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=a18500000BYub3AAD

	Depth	
	From	To
Fill (rock/clay)	0	18
Frozen peat moss	18	25
Gravel	25	36
Clay gravel	36	42
Rock (lime stone)	42	86
Fault (water ... (hard to read))	86	90
Rock (fractured) (3gpm)	90	126
Rock with fractures and gravel chips	126	190

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: 190 ft Casing stickup: _____ ft
Casing type: _____ Casing thickness: 0.28 inches
Casing diameter: 6 inches Casing depth: _____ ft
Liner type: _____ Depth: _____ ft Diameter: _____ inches
Note: _____

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: 1/8" Perf from: 80 ft, Perf to: 120 ft, Perf from: _____ ft, Perf to: _____ ft
Gravel packed ☐ Yes ☒ No Gravel start: _____ ft, Gravel stop: _____ ft
Note: _____

Static water (from top of casing): 86 ft on ____/____/____ Artesian well ☐
Pumping level & yield: _____ feet after _____ hours at 15 gpm
Method of testing: _____
Development method: _____ Duration: _____
Recovery rate: _____ 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: Jerry Holohan
Company name: Jerry Holohan
Mailing address: P.O. Box 872073
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



January 8, 1985

Stan Justice
Dept. of Environmental Conservation
Northern Regional Office
Pouch 1601
Fairbanks, AK 99707

Dear Sir:

RE: Denali Camp Water Supply PWS 1D-390895

Please find inclosed, a copy of our camp well log, as built site plans and another inadequate outdated water analysis. Its looks like we suffered from too many cooks in the soup, our apologies. Next year one person will be in charge of the site and we will do complete water tests before using the well.

The well is sealed and drained for the winter.

Sincerely,

R.D. Roberts (Dee)
Facilities Maintenance Supervisor

cc: R. Amerson
file (2)

RECEIVED

JAN 10 1985

DEPT. OF ENVIRONMENTAL
CONSERVATION
NRO

WELL DRILLERS REPORT

Please complete this form in its entirety

Log No.
Permit No.
Basin.

1. OWNER YUNDA TOURS INC ADDRESS

2. LOCATION 1/4 Mile - PARKS HIGHWAY Sec. 34 T. 14 N/S R. E County ...
PERMIT NO.

3. TYPE OF WORK
New Well ☒ Recondition ☐
Deepen ☐ Other ☐
4. PROPOSED USE
Domestic ☒ Irrigation ☐ Test ☐
Municipal ☐ Industrial ☒ Stock ☐
5. TYPE WELL
Cable ☐ Rotary ☐
Other ☐

6. LITHOLOGIC LOG				
Material	Water Strata	From	To	Thick-ness
0 Fill (Rock/Clay)		0	18	18
EROSION DEPT MESS		18	25	7
GRAVEL		25	36	11
CLAY - GRAVEL		36	42	6
ROCK (LIME STONE)		42	86	44
FAULT (WATER SEAL)		86	90	4
ROCK (FRACTURED & 3/4")		90	126	36
ROCK WITH FRACTURES		126	190	64
& GRAVEL SHIP'S-				

Approximately 18' max total water.

Line 6" Note w/ 5" Steel casing to 100'.

8. WELL CONSTRUCTION
Diameter hole 6 inches Total depth 190 feet
Casing record 28
Weight per foot 19.4 Thickness 25
Diameter From To
6 inches 0 feet 1.90 feet
Reduction inches feet feet
5" liner inches 0 feet 1.90 feet
inches feet feet
inches feet feet
inches feet feet
Surface seal: Yes ☐ No ☐ Type
Depth of seal feet
Gravel packed: Yes ☐ No ☐
Gravel packed from feet to feet

Perforations:
Type perforation 1/8" Note -
Size perforation 1/8"
From 8.0 feet to 120 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

9. WATER LEVEL
Static water level 86 Feet below land surface
Flow 15 G.P.M.
Water temperature ° F. Quality

10. DRILLERS CERTIFICATION
This well was drilled under my supervision and the report is the best of my knowledge.

Name JERRY HOLTAN
Address P.O. Box 872073

Nevada contractor's license number JAN 10 1985

Nevada driller's license number DEPT. OF ENVIRONMENTAL CONSERVATION

Signed J. R. Holtan

Date 6-1-84

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
	<u>15</u>		

BAILER TEST

G.P.M. Draw down feet hours
G.P.M. Draw down feet hours
G.P.M. Draw down feet hours

P.C. E 9
3587+63.5

$\Delta = 51^{\circ} 07' 30''$
 $D = 03^{\circ} 30' 00''$
 $T = 783.01'$
 $L = 1460.71'$
 $R = 1637.02'$

the built site plan Tundra Town

"L" 3592+66.20 P.O.C.
 LINE (CALCULATED)

$\Delta = 51^{\circ} 07' 30''$
 $TSW = \text{TOILET, SHOWER, WASHROOM}$

