13138

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: 10 / 3 / 1984 Pump Install: ____/____/_____

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Denali Borough	USS 5545		L1	ARA/OUTDOOR WORLD ,

Well location: Latitude _____ **Longitude** _____

Meridian F Township 013S Range 007W Section 33 , NE 1/4 of _____ 1/4 of _____ 1/4 of _____ 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

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

North

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

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: 78 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 _____

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): _____ ft on____/____/_____ Artesian well ☐

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

Company name: WESTERN STATES ASSOCIATION.....

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: _____-_____-_____

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

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WATER WELL RECORD
STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURES
Division of Geological & Geophysical Surveys

ADLWM file LAS 6744

Drilling Permit No. _____
A.D.L. No. _____

LOCATION OF WELL (Please complete either 1a, 1b or 1c.)

1a Borough	Subdivision	Lot	Block	1b ¼ qtrs.	Section No.	Township N☐ S☐	Range E☐ W☐	Meridian
N. STAR				___ of ___ of ___ of ___				

1c DISTANCE AND DIRECTION FROM ROAD INTERSECTIONS
McKinley Chalets hotel well #2
Denali Park
Street Address and Area of Well Location

3. OWNER OF WELL: ARA/Outdoor World Ltd.
Address: Denali Park

2. WELL LOG

Material Type	Feet Below Surface Top	Bottom
Boulders, & Sandy Gravel	0	20
Gravel w/ Cobbles	20	34
WET Gravel w/ Cobbles	34	39
Water bearing Gravel w/ cobbles	39	80

4. WELL DEPTH: (final) 80 ft.

5. DATE OF COMPLETION 10 - 18 - 84

6. ☐ Cable tool ☑ Rotary ☐ Driven ☐ Dug ☐ Auger ☐ Jetted ☐ Bored ☐ Other:

7. USE: ☐ Domestic ☐ Public Supply ☐ Industry ☐ Irrigation ☐ Recharge ☑ Commerical ☐ Test Well ☐ Other:

8. CASING: ☐ Threaded ☑ Welded
diam. 8 in. to 70 ft Depth Weight 24 lbs./ft
diam. ___ in. to ___ ft. Depth Stickup 1 ft.

9. FINISH OF WELL:
Type: Screen Diameter: 8" Telescoping
Slot/Mesh Size: 0.200 Length: 10'
Set between 70 ft. and 80 ft
Backfilling ___ Gravel pack ___

10. STATIC WATER LEVEL: 22 ft. 10/18/84 Date
☐ Above or ☑ Below land surface
Equipment used: Well Sounder

11. PUMPING LEVEL below land surface and YIELD
26'10" ft. after 5 hrs. pumping 100 g.p.m.
___ ft. after ___ hrs. pumping ___ g.p.m.

12. GROUTING Well Grouted ☑ Yes ☐ No
Material: ☑ Neat Cement ☐ Other:

13. PUMP: (if available) HP ___
Length of Drop Pipe ___ ft. capacity ___ g.p.m.
☐ Subm. ☐ Jet ☐ Centrifical ☐ Other

14. REMARKS:

15. Water Temperature ___ ° ☐ F ☐ C

16. WATER WELL CONTRACTOR'S CERTIFICATION:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief;

Western States Assoc
Registered Business Name
Contract License Number
Address: 633 E 81st Ave Anch AK 99502
Signed: Jeff Stuhl
Authorized Representative
Date: 10-22-84

Form 22-WWR (11/81) Copy Distribution: WHITE - State DGGS, PINK - Driller, CANARY - Customer

FC 13-7-33A

/3138

Rodney P. Kinney Associates
P.O. Box 1102 Eagle River, Alaska 99577
Consulting Engineers (907) 694-2332

ADLWM file LAS 6744

ARA/Outdoor World Ltd. Mckinley Chalets hotel

Date 10/23/84

Name LOWER CHALET WELL NO. 2 Location MT. McKINLEY

Hole No. – Gr. El. – Type of Boring ROTARY/AIR Rig WESTERN STATES

Datum SEE FIG. 1 Engr RK Wt. Ham. –

DP.	GROUND SURFACE DESCRIPTION	Sa. No.	Pen.	% Rec.	Bl. Ct.	Soil Profile	REMARKS
	GREY COARSE GRAVEL WITH COBBLES & LARGE BOULDERS – DRY				11' 10" CASING		
5'							
10'							
	Tract A, lot 1, US Survey 5545						
15							AFTER DRILLING
	E½NE¼ section 33, T.13S, R.7W, FM						22'
20							
25							
	DAMP						
30							
	GRADING FINER WITH COARSE SAND						
35							
	WATER → 38' 1ST ENCOUNTERED HERE						
40							TIME OF DRILLING
45							
50							
55							
60							
65							
70					80' - 8" ϕ CASING (2 FT. ABOVE GROUND SURFACE)		
75							
78'							30-50 GPM FROM BOTTOM OF CASING & CLEANED UP FAIRLY GOOD
80							
85							

SET SCREEN, PULLED CASING, DEVELOPED & PUMPED 10/17/84

FIGURE 4