

M-W DRILLING, Inc.

P.O. Box 110378 • 10330 Old Seward Highway
(907) 349-8535
ANCHORAGE, ALASKA 99511

24711

DRILLING LOG

Well Owner NATIONAL GUARD Use of Well CLASS "C"

Location (address of: Township, Range, Section, if known; or distance main road _____
E PORTION S $\frac{1}{2}$, SECTION 36, T18N, R1W, SM: 3501 BOGARD ROAD
ARMORY MAINT BLDG: WASILLA, AK

Size of casing 6" Depth of Hole 100 feet Cased to 100.34 feet

Static water level 54 ft. (~~above~~ below) land surface. Finish of well (check one) open end ();
Screen (); Perforated ().

Describe screen or perforation N/A

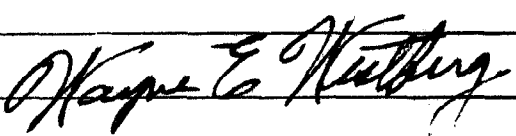
Well pumping test at 30 gallons per (~~hour~~) (minute) for 2 hours with 95 ft.
of drawdown from static level.

AS BUILT NOTES: WELL DRY GROUTED WITH 4 SACKS
BENTONITE GRANULES

Date of completion 16 OCTOBER 1998

WELL LOG

Depth in feet from ground surface	Give details of formations penetrated, size of material, color and hardness
<u>0 TO 2</u>	<u>CASING STICK UP</u>
<u>2 TO 15</u>	<u>GRAVEL: SILTY</u>
<u>15 TO 33</u>	<u>GRAVEL: SILTY, CLAYEY, DAMP</u>
<u>33 TO 40</u>	<u>GRAVEL: GREY, SILTY, SANDY, DAMP</u>
<u>40 TO 57</u>	<u>CLAY: BROWN, SILTY</u>
<u>57 TO 75</u>	<u>GRAVEL: SILTY</u>
<u>75 TO 83</u>	<u>GRAVEL: SILTY, SANDY, WET</u>
<u>83 TO 100</u>	<u>WATER BEARING GRAVEL: SANDY</u>
<u>TO</u>	
<u>TO</u>	
<u>TO</u>	
<u>TO</u>	
<u>TO</u>	
<u>TO</u>	
<u>TO</u>	
<u>TO</u>	



NWWA Certified Contractor
Certificate No's. 814 & 973

SB 18-1-36D

Alcantra Well Location

Wasilla, AK

Legend

- AK
- Alcantra Well Location
- Feature 1

X

Section	938 T18N R1W
Meridian	Seward
State	Alaska
Source	USGS
GLO	SLO Township Records

Calculated Values

Acres	640
Centroid	61 0087767, 149 3746074
Corners	NW61 0139876, -149 3897772 NE 61 0139871, -149 3594478 SE 61 5995559, 149 3594469 SW 61 5995561, -149 3897021

Quarters This section has 0 quarters/quadrants plotted

For illustration only. User to verify all information. www.eatpro.com/us

X

Alcantra Well Location

61°30'5.25"N
149°2'14.27"W

Developer: ID: 1006 - E10011000000



2000 ft



State of Alaska

User Guide Support Recorders Office ASGDC Visiting Alaska SDMI

Natural Resources > IRM GPU > Alaska Mapper > Map Selection > [v] Switch to Lite Mapper Logout (Logged in as: sjclusiau)

Tools **Layers** **Legend**

Base Map
SDMI BDL [v]

Map Functions

Navigation Tools

Query by Feature (none)

Feature Modify / Other

Run Query [Partial v]

Map Info

Mouse position (DD):

Lat:

Long:

Map Center Township
TWP Links (S018N001W)



STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND AND WATER
Water Resources Section

Anchorage Office
550 West 7th Avenue,
Suite 1020
Anchorage, AK 99501
(907) 269-8600
Fax: 269-8904

Juneau Office
P.O. Box 111020
400 Willoughby Avenue
Juneau, AK 99811-1020
(907) 465-3400
Fax: 586-2954

Fairbanks Office
3700 Airport Way
Fairbanks, AK 99709
(907) 451-2790
Fax: 451-2703

Well Log Not Available Form

The purpose of this questionnaire is to document the best available information to assist with the management of Water Resources within the State of Alaska and *should only be used when an applicant is unable to submit a well log.*

Please complete this form to the best of your ability. Definitions and a well diagram are provided at the end of this form to assist with completion. If you do not know, or cannot gather the requested information respond with "Unknown."

Date: 2-2-2016

Case File Type and Number
 TWUA TWUP
 ADL LAS # 30778

Name of Person Completing this form: Stephanie Clusiau

Phone # 249-0899

Company: DMLW Water Section

Relationship to Property where Well is Located:

- Owner Well Driller Agent Engineer Realtor
 Other Application

Well location:

• Latitude/Longitude (GPS coordinates)
61° 36' 6.25" N 149° 21' 42.27" W

• Meridian, Township, Range, Section (MTRS):
S T18N R1W 36 NESE

- Property legal description where well is located (*this can be found on the property deed, patent, lease agreement or other possessory interest document*):

WELL INFORMATION:

- Please list the name of the drilling company that drilled the well(s), if applicable (*the drilling company name may be listed on the top of the well cap*).

- Approximate Date Well was completed (*some drilling companies list this information on the underside of the well cap*):

10-16-1998 (mm/dd/yy, mm/yy or yyyy)

- Type of well (*select one*):

Driven Drilled Dug Unknown

- Approximately how deep is the Well (*some drilling companies list this information on the underside of the well cap*) 100 feet Unknown

- Is the well cased? (*some drilling companies list this information on the underside of the well cap*)
Select One:

YES NO

- If Yes; How deep is the Well Cased (*some drilling companies list this information on the underside of the well cap*):

_____ feet

- What is the diameter of the Well casing? _____ inches

- Is/are there Open Interval(s) in the Well casing (*select one*)?

YES NO Unknown

- If Yes, from _____ feet to _____ feet
 _____ feet to _____ feet
 _____ feet to _____ feet
 _____ feet to _____ feet

- Identify the Open Interval Type (*check all that apply*):
 - Screened Perforated Slats
 - Open-Ended Unknown
- How far above ground level does the Well Casing stick up? _____
 - feet inches

- Does the Well penetrate Bedrock (*select one*)?
 - YES NO Unknown
- Depth to static water level from top of Well Casing (*some drilling companies list this information on the underside of the well cap*): _____ feet
- How many gallons can be stored in the well? _____
- Pumping Method (*select one*):
 - Electric Manual Fuel powered
- Average Pumping Rate (*some drilling companies list this information on the underside of the well cap*): 20 gallons per minute
- Maximum Pumping Rate: _____ gallons per minute
- Tested well yield (*may be derived from a water/septic inspection completed before sale of property*): _____ gallons per minute
- Describe the water quality: (*Fresh, Salty, Mineralized, Cloudy, etc.*)

- Describe how the water from the well is to be used and where:

AK National Guard Facility

DEC: PWSID 220286

- Contact or source of information - how did you obtain the above information? (*well cap, previous owner, neighbor, realtor, etc.*)

- **Map of well location(s) on property:**
Attach a map, hand sketch or drawing with the well location(s) clearly identified.

Project: Alcantra Armory Well House Replacement

DEC Info: PWSID 220286

Location: North of the intersection of Seward Meridian Road and Bogard Road, Wasilla, AK

Project Description: This project utilizes the existing well and replaces the existing well house with a 400 square foot well house. The proposed well house will contain two 2,500 gallon polyethylene water storage tanks, pressure pump, water meter, and salvaged pressure tanks and appurtenant piping.

In the absence of water use data, a Statement of Beneficial Use of Water will be submitted to the DNR after project completion. Once the well house is operational, data will be collected through a water meter and submitted to DNR for Review. The Projected water use is 3,000 per day.