



STATE OF ALASKA 24098  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINING, LAND & WATER  
Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Started: \_\_\_\_/\_\_\_\_/\_\_\_\_ Completed: 2 / 25 / 1997 Pump Install: \_\_\_\_/\_\_\_\_/\_\_\_\_

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Municipality of Anchorage				US DOD, AIR FORCE, ELMENDORF AFB ,HOSPITAL ,

Well location: Latitude 61.23314500000001 Longitude -149.742125  
Meridian S Township 013N Range 003W Section 12 SE 1/4 of NE 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=a185000000BYub3AAD](https://my.ngwa.org/NC_Product?id=a185000000BYub3AAD)

	Depth	
	From	To
Sandy gravel	0	57
Gravelly clay-wet	57	74
Silty gravel	74	80
Sandy gravel	80	97
Clay-sticky	97	100
Sand	100	105
Silty, gravelly sand	105	111
Gravelly, sandy silt	111	125
Sandy gravel-water	125	137
Sandy gravelly silt	137	182
Gravelly silt-wet layers	182	222
Sandy gravel w/clay lenses-water	222	247
Gravelly, sandy silt- occasional wet streaks	247	255
Gravelly clay	255	260
Clay-sticky	260	280

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: 225 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): 106.3 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: WAYNE WESTBERG

Company name: M-W DRILLING

Mailing address: PO BOX 110378

City: ANCHORAGE State: AK Zip: 99511

Phone number: (907) 945 - 3287

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](mailto:dnr.water.reports@alaska.gov)

24098

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

PRELIMINARY

PW-1A. PW-3

**DRILLING LOG**Well Owner U.S. AIR FORCE Use of Well PRODUCTION

Location (address of: Township, Range, Section, if known; or distance main road \_\_\_\_\_  
NEW ELMENDORF HOSPITAL - S.E. CORNER OF POWER PLANT  
8' +/- SOUTH OF TW-1

Size of casing 12" Depth of Hole 280 feet Cased to 225.13 feet

Static water level 106.3 ft. (above) (below) land surface. Finish of well (check one) open end (    );  
Screen ( ☒ ); Perforated (    ).

Describe screen or perforation \_\_\_\_\_

Well pumping test at \_\_\_\_\_ gallons per (hour) (minute) for \_\_\_\_\_ hours with \_\_\_\_\_ ft.  
of drawdown from static level

Date of completion \_\_\_\_\_

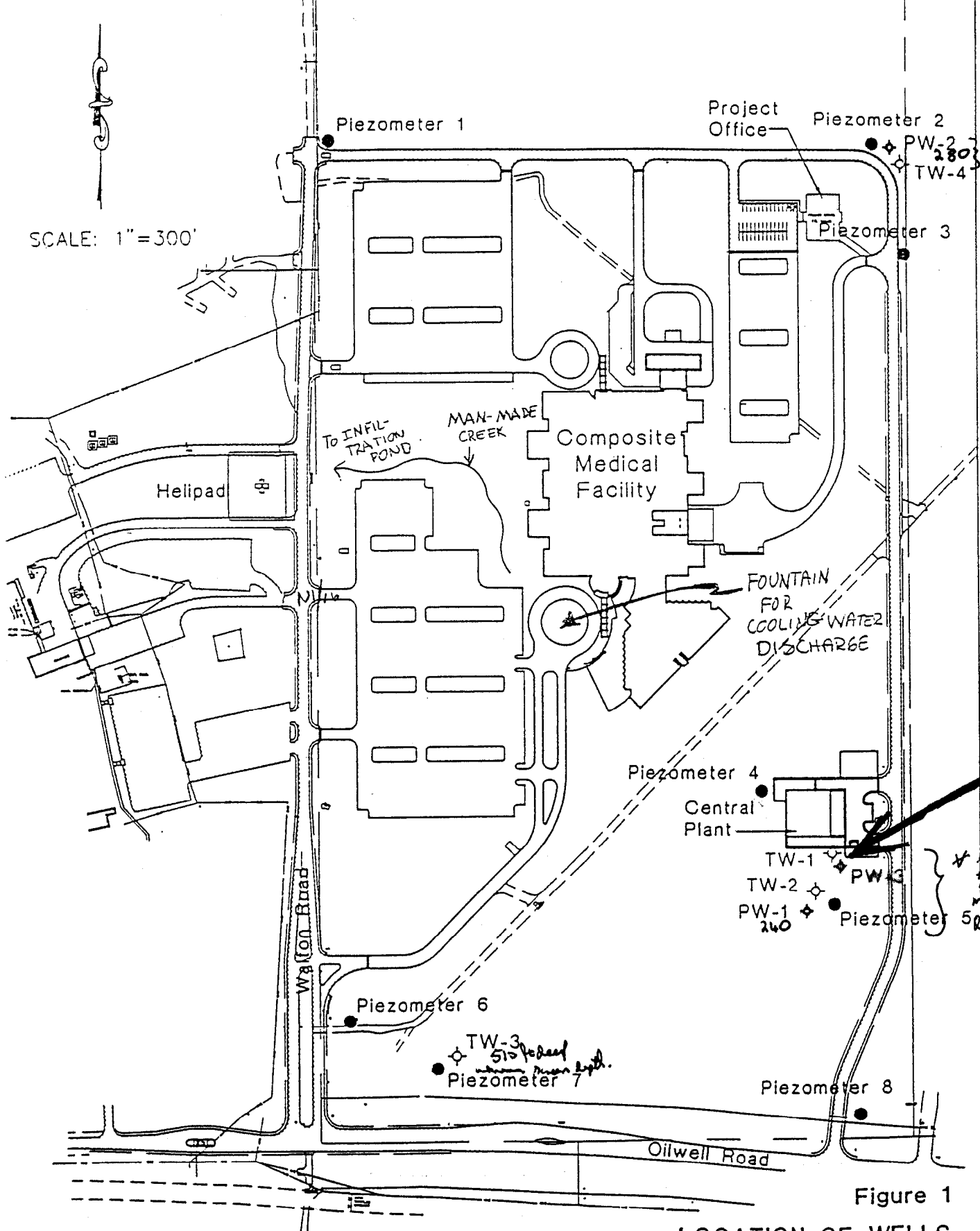
**WELL LOG**

Depth in feet from ground surface	Give details of formations penetrated, size of material, color and hardness
0 TO 57	SANDY GRAVEL
57 TO 74	GRAVELLY CLAY - WET
74 TO 80	SILTY GRAVEL
80 TO 97	SANDY GRAVEL
97 TO 100	CLAY - STICKY
100 TO 105	SAND
105 TO 111	SILTY, GRAVELLY SAND
111 TO 125	GRAVELLY, SANDY SILT
125 TO 137	SANDY GRAVEL - WATER
137 TO 182	SANDY GRAVELY SILT
182 TO 222	GRAVELLY SILT - WET LAYERS
222 TO 247	SANDY GRAVEL W/ CLAY LENSES - WATER
247 TO 255	GRAVELLY, SANDY SILT - OCC. WET STREAKS
255 TO 260	GRAVELLY CLAY
260 TO 280	CLAY - STICKY

SITE ID

LOCAL NO.

SB 13-3-12 BcDA



ATTACHMENTS

SB13-3-12BCDA

Figure 1

LOCATION OF WELLS

DOWL ENGRS / HOSPITAL WELLS / ELMENDORF AFB