33444

# 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: 2 / 26 / 2008 Pump Install: ____/____/_____

| City/Borough | Subdivision | Block | Lot | Property Owner Name & Address |
|---|---|---|---|---|
| Municipality of Anchorage | VILLAGE SOUTH | | | SOUTH CENTRAL FOUNDATION , |

**Well location: Latitude** 61.45756699999998 **Longitude** -149.35126

Meridian S Township 016N Range 001E Section 19 , SE 1/4 of NW 1/4 of SE 1/4 of SW 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 |
|---|---|
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Include description or sketch of well location (include road names, buildings, etc.):

North

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: 72 ft Casing stickup: _____ft

Casing type: _____ Casing thickness: _____ inches

Casing diameter: _____ inches Casing depth: 55 ft

Liner type: _____ Depth: _____ ft Diameter: _____inches

Note: CASED TO 55 FT, 10 FT SCREEN AND TAILPIPE TO 70.5 FT

Well intake opening type: ☐ Open end, ☐ Open hole, ☒ Other screened

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

Pumping level & yield: _____ feet after _____ hours at 175 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: _____/_____/_____

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

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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# M-W Drilling, Inc.

P.O. Box 110378
Anchorage, AK 99511
p. 907-345-4000 f. 907-345-3287

Job Number: 08-109

## GROUNDWATER WELL AS-BUILT

Well Owner: South Central Foundation Use of Well: Class A Public
Legal Description: NW Corner, Tract 2, Village South Subdivision, Plat # 80-199, Anchorage Recording District

### CONSTRUCTION

Hole Depth: 72' Casing Size: 8" x 0.322" Cased To: 55' Material: A 53 Steel
Drill Method: Air Rotary Liner Size: N/A Lined To: Material:

Well Completion:
Open End ____ Screen X Perforated ____ Perforation Method:
Screen Description: K Packer & 7" Riser, 49.3' to 55'; 8T, 304SS Screen to 65.5', 7" Tailpipe w/plate to 70.5'
Grout Notes: ( 4.5 ) Sack(s) of No. 8 Bentonite Granules
Additional Notes: 10" hole drilled to 20' & dry grouted
Disinfected: Yes Method: Chlorine
Well Development Method: Air Surge Notes: Cleaned up with one hour.
Static Water Level (SWL) 33' below Top Of Casing (TOC).
Well yield test at 175 gallon(s) per minute (GPM) for 24 hour(s) with 11.78' of drawdown (DD) from SWL.
Method: Submersible Pump
Start Date: 2/26/2008 Completion Date: 2/29/2008 Pump Install Date: Test 2/28/08

### WELL LOG

| Depth in feet from T.O.C. | | | Details of formations penetrated, size of material, color, and misc. |
|---|---|---|---|
| 0 | to | 3 | Casing Stick-up |
| 3 | to | 17 | Cobble Gravel: grey, dry, loose, sandy |
| 17 | to | 39 | Cobble Gravel: grey, dry, loose, sandy, damp |
| 39 | to | 45 | Cobble Gravel: grey, loose, sandy, wet |
| 45 | to | 51 | Water Gravel: coarse, sandy, 7-10 GPM |
| 51 | to | 65 | Water Gravel: coarse, sandy, 50 GPM |
| 65 | to | 70 | Water Gravel: coarse, silty sandy, 20-50 GPM |
| 70 | to | 72 | Sand: fine, wet, silty |
| | to | | |
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DEPT. OF NATURAL RESOURCES
DIV. OF MINING, LAND & WATER
JUN 12 2009
DIRECTOR'S OFFICE
ANCHORAGE

**WAYNE E. WESTBERG**
President, M-W Drilling, Inc.
NGWA Certified Master Groundwater Contractor
Contractors License No. 1000