

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

M-W Drilling, Inc.

♦ P.O. Box 110378 ♦ Anchorage, AK 99511 ♦
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Job No.: 05-122 Parcel No.: N/A Permit No. N/A

Groundwater Well As-Built & Log

♦ **Well Owner:** City of Wasilla ♦ **Use of Well:** Class A Public
♦ **Legal Description:** Village Heights Subdivision, Tract D-situated in the center of the Tract
Horvath Drive- Wasilla, Alaska

Construction

♦ **Hole Depth:** 304' ♦ **Casing Size:** 8" ♦ **Cased To:** 173' ♦ **Material:** A 53 Steel
♦ **Drill Method:** Air Rotary 12" 20'
♦ **Well Completion-** Open end Screen X Perforated Perf. Method:
♦ **Screen/ Perforation description:** K-packer & 7" Riser: 169.36 to 173'; 0.020" Slot SSS to
183.25'; 7" Blank and Plate bottom to 193.27'
♦ **Grout Notes:** 12" Surface casing installed to 20', pulled and grouted with (5) Sacks- No. 8
bentonite granules
♦ **As-Built Notes:** 8" Casing cut at 191' and hole backfilled to 193' here screen assembly is set
♦ **Well Development:** Method: Air surge Notes:
♦ **Static water level (SWL)** 99.25' (above) (below) top of casing (TOC).
♦ **Well yield test at** 302 gallons per minute (GPM)/ gallons-per-hour (GPH) for 5 hours
with 27.03' of drawdown (DD) from static level (SWL).
♦ **Method:** Submersible Pump
♦ **Date of completion:** 15 July 2005 ♦ **Pump Install:**

Well Log

Depth in feet from top of casing.	Details of formations penetrated, size of material, color and hardness.	DEPARTMENT OF NATURAL RESOURCES DIV. OF MINING, LAND & WATER DEC - 6 2005 DIRECTOR'S OFFICE ANCHORAGE
0 TO 2	Casing stickup	
2 TO 20	Silty sand: gravelly, cobbly	
20 TO 30	As above: less cobbles and gravelly silt	
30 TO 70	Gravelly silt: gray, damp	
70 TO 97	Silty sand: gravelly	
97 TO 115	Sandy gravel: wet	
115 TO 127	As above: silt layers, wet	
127 TO 140	Silt: occasional cobbles	
140 TO 150	Sandy gravel: tight	
150 TO 155	Gravel: wet	
155 TO 159	Gravel: tight, damp	
159 TO 168	Silt	
168 TO 183	Water gravel	
183 TO 199	Gravelly silt: making little water	
199 TO 202	Silty gravel: more water	
202 TO 278	Silty sand: gravelly, less gravel after 220'	
278 TO 304	Silt-stone	

WAYNE E. WESTBERG
President, M - W Drilling, Inc.
NGWA Certified Contractor
Certificate Nos. 199666
Contractors License No. 1000