



# M-W Drilling, Inc.

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Job No. 12-137

## GROUNDWATER WELL AS-BUILT & LOG

**Well Owner:** Copper River Native Association      **Use of Well:** Commercial  
**Legal Description:** Tract 2 & 3  
Taziina Acres Subdivision

### CONSTRUCTION

**Drill Method:** Air Rotary      **Hole Size:** 6"      **Hole Depth:** 140'  
**Casing Size:** 6"      **Cased to:** 111.5      **Material:** A53B      **Wall:** .250

**Well Completion:**      **Open end**      **Screen** x      **Perforated**      **Method:**  
K-packer & riser: 107.1 to 111.5, .60 slot screen: 111.5 to 116.6, tail pipe: 116.6 to 120'

**Screen/Perforation description:** 120'

**Grout Notes:** (5) Sack(s) of Bentonite installed while pulling 20' of 10" surface casing

**Well Development:** Air surge

**Well Disinfected:** Y/N      **Method:**  
**Yield test at:** 60 GPM for 7 hour(s) with 12' of drawdown (DD) from static level (SWL).  
**Method:** Submersible pump      **Static Water Level (SWL):** 26.4'

**Start Date:** 11-15-12      **Completion Date:** 2-17-13  
**Test Pump Date:** 2-17-13      **Final Pump Install Date:**

### WELL LOG

Depth in feet from top of casing.			Details of formations penetrated, size of material, color and miscellaneous details.
0	TO	3	Casing Stick Up
3	TO	17	Gravel: sandy, medium
17	TO	24	Sand: some gravel
24	TO	30	Sand & gravel: wet
30	TO	44	Gravel: coarse, some sand, wet
44	TO	115	Water gravel: medium, some sand, 15-20 gpm up to 70 gpm
115	TO	128	Water gravel: medium, some sand, more sand, 20-30 gpm
128	TO	140	Clay: silty, glacial till, pipe driving very hard, and pulled extremely hard
	TO		
	TO		
	TO		
	TO		
	TO		
	TO		
	TO		
	TO		
	TO		

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

**M-W Drilling, Inc.**  
**MONITOR REPORT**

Sheet 1 of 1  
Date: 2-17-13

Conducted By: M-W Drilling, Inc. M-W Job No. 12-137  
 Owner: Copper River Native Association Address: Tract 2&3 Tazlina Acres  
 Well Location: \_\_\_\_\_

Well Information: Total Depth: 140 Depth of Casing: 111.5 Screen: From 111.5 To 116.6  
 Casing Size: 6" Screen Diameter: 5" Screen Slot: 0.060"slot  
 Remarks: \_\_\_\_\_

Pump Information: Intake depth: 83' Pump Size: 5HP Water Level Meas.: Electric  
 Static water level: 26.4' Avg. discharge: 60 GPM, max, Drawdown: 11.88'

Misc. Pump Info.: Pump On: Date: 2-17-13 Time: 0835 Mtr. Reading: N/A Timed bucket  
 Pump Off: Date: 2-17-13 Time: 1500 Mtr. Reading: measurement

Time		Water Level	Flow GPM	Remarks	Time		Water Level	Flow GPM	Remarks
Clock	Elpsd				Clock	Elpsd			
0835		26.45	60		1502		28.44		
0836		27.41	60		1503		28.31		
0837		27.68			1504		28.22		
0838		27.99			1505		28.01		
0839		28.14			1510		27.77		
0840		28.31			1515		27.56		
0845		32.33			1520		27.50		
0850		34.65			1530		27.22		
0855		36.21			1540		27.11		
0900		37.61			1550		27.06		
0915		38.16			1600		26.85		
0930		38.31							
0945		38.55							
1000		38.49							
1030		38.55							
1100		38.51							
1200		38.49							
1300		38.21							
1400		38.31							
1500		38.33		Shut pump off & Recovery					
1501		29.37							