

\*Guide for Using the Hydrogeologic Classification System for Logging Water Well Boreholes by Thomas M. Hanna NGWA Press

**M-W Drilling, Inc.**

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**Job No. 17-123-2**

City Well #2

**GROUNDWATER WELL LOG**

**Well Owner:** Village Safe Water – City of Teller      **Use of Well:** Public  
**Legal Description:** Section 8, Township 3 South, Range 37 West, Kateel River Meridian, Cape Nome Recording District  
 Long: W166° 17' 38.80", Lat: N065° 14' 50.46"

**CONSTRUCTION**

**Drill Method:** Air Rotary      **Hole Size:** 12"      **Hole Depth:** 32'  
**Casing Size:** 12"      **Cased to:** 26.54'      **Material:** A53B      **Wall:** .375  
**Well Completion:** Open end      Screen X      Perforated      Method:  
**Screen/Perforation description:** K packer & riser pipe (10"): 20.7' to 26.7', 10 ps ss 0.030, slot well screen: 26.7' to 32',  
 steel plate welded to bottom of screen  
 ( ) Sack(s) of Bentonite - 16" casing installed to 10', annulus between 16" & 12" casing grouted with  
**Grout Notes:** bentonite, 16" casing pulled  
**Well Development:** Air Surge  
**Well Disinfected:** No      **Method:**  
**Yield test at** 100 **GPM for** 24 **hour(s) with** 3.57' **of drawdown (DD) from static level(SWL).**  
**Method:** 5HP submersible pump      **Static Water Level (SWL):** 8.5'  
**Start Date:** 10/11/2017      **Completion Date:** 10/16/2017  
**Test Pump Date:** 10/13/2017      **Final Pump Install Date:** n/a

**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 5	Pad fill		
5 TO 8	Gravel: frozen, silty		
8 TO 18	Gravel: silty, damp, grey to black		
18 TO 25	Water gravel: medium, very silty, 5-10 GPM		
25 TO 29.5	Water gravel: medium to coarse, 30-50 GPM		
29.5 TO 32	Bedrock: very fractured, water bearing, black rock, 30-50 GPM		
TO			
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**WAYNE E. WESTBERG**

President, M-W Drilling, Inc.

NGWA Certified Master Groundwater Contractor

Ak Gen Contr Lic No 1000

# M-W Drilling, Inc.

## MONITOR REPORT

Sheet 1 of 2  
Date: 10-13-17

Conducted By: M-W Drilling

Owner: USW / City of Tulsa Address: \_\_\_\_\_

M-W Job No. 17-123-2

Well Location: Well #2

Well Information: Total Depth: 32' Depth of Casing: 26.5' Screen: From 32.0' To 26.7'  
Casing Size: 10" Screen Diameter: 12" Screen Slot: 0.030  
Remarks: \_\_\_\_\_

Pump Information: Intake depth: 23 Pump Size: 5 Water Level Meas.: \_\_\_\_\_  
Static water level: 8.5 Avg. discharge: \_\_\_\_\_ GPM, max, drawdown: \_\_\_\_\_

Misc. Pump Info: Pump On: Date: 10-13 Time: 1711 Mtr. Reading: \_\_\_\_\_  
Pump Off: Date: 10-14 Time: 1711 Mtr. Reading: \_\_\_\_\_

Time		Water Level	Flow GPM	Remarks	Time		Water Level	Flow GPM	Remarks
Clock	Elpsd				Clock	Elpsd			
1711		8.5	100		0200		11.71	100	
12		11.31	100		0300		11.73	100	
13		11.42	100		0400		11.76	100	
14		11.54	100		0500		11.84	100	
15		11.50	100		0600		11.84	100	
<del>1600</del>		11.51	100		0700		11.87	100	
<del>1700</del>		11.51	100		0800		11.90	100	
1800		11.51	100		0900		11.92	100	
19		11.54	100		1000		11.91	100	
20		11.56	100		1100		11.96	100	
25		11.51	100		1200		11.99	100	
30		11.52	100		1300		12.04	100	
45		11.53	100		1400		12.06	100	
1800		11.55	100		1500		12.06	100	
1830		11.57	100		1600		12.06	100	
1900		11.61	100		1700		12.06	100	
2000		11.61	100		1711		12.07	100	Shut Pump
2100		11.62	100		12		9.02		OFF, Recovery
2200		11.62	100		13		8.93		
2300		11.65	100		14		8.86		
2400		11.68	100		15		8.79		
0100		11.68	100		20		8.61		
					30		8.59		