

MUNICIPAL WATER UTILITY CHALLENGES
NM WATER DATA ACT; “WET WATER” VS WATER
RIGHTS; MANAGEMENT EXPERTISE; AGED
INFRASTRUCTURE/DEFERRED MAINTENANCE &
INVESTMENT



CITY OF DEMING
DAVID MCSHERRY, PE

CITY OF DEMING

-Population: 14,758

-Total Area: 16.7 square miles (43.3 km²)

-WATER SYSTEM --About 150 miles of water distribution piping, 12 potable wells, three storage tanks; no pressure zones!

-DEMING lies within the Gadsden Purchase; at the SILVER SPIKE junction of Santa Fe and Southern Pacific Railroads; at the junction of the MIMBRES RIVER and STARVATION DRAW; just southwest of MASSACRE PEAK on the BUTTERFIELD TRAIL

-Fun fact: Miss Kitty, from *Gunsmoke*, was supposedly based on Lottie Deno, once a notorious gambler, who retired to Deming where she founded St. Luke's Episcopal Church and her husband helped start First NM Bank, both still fixtures in the community.

PUBLIC WORKS DIRECTOR DAVID MCSHERRY

**NATURAL GAS; SOLID WASTE;
WASTEWATER; WATER SUPPLY**

7 Water Supply field staff

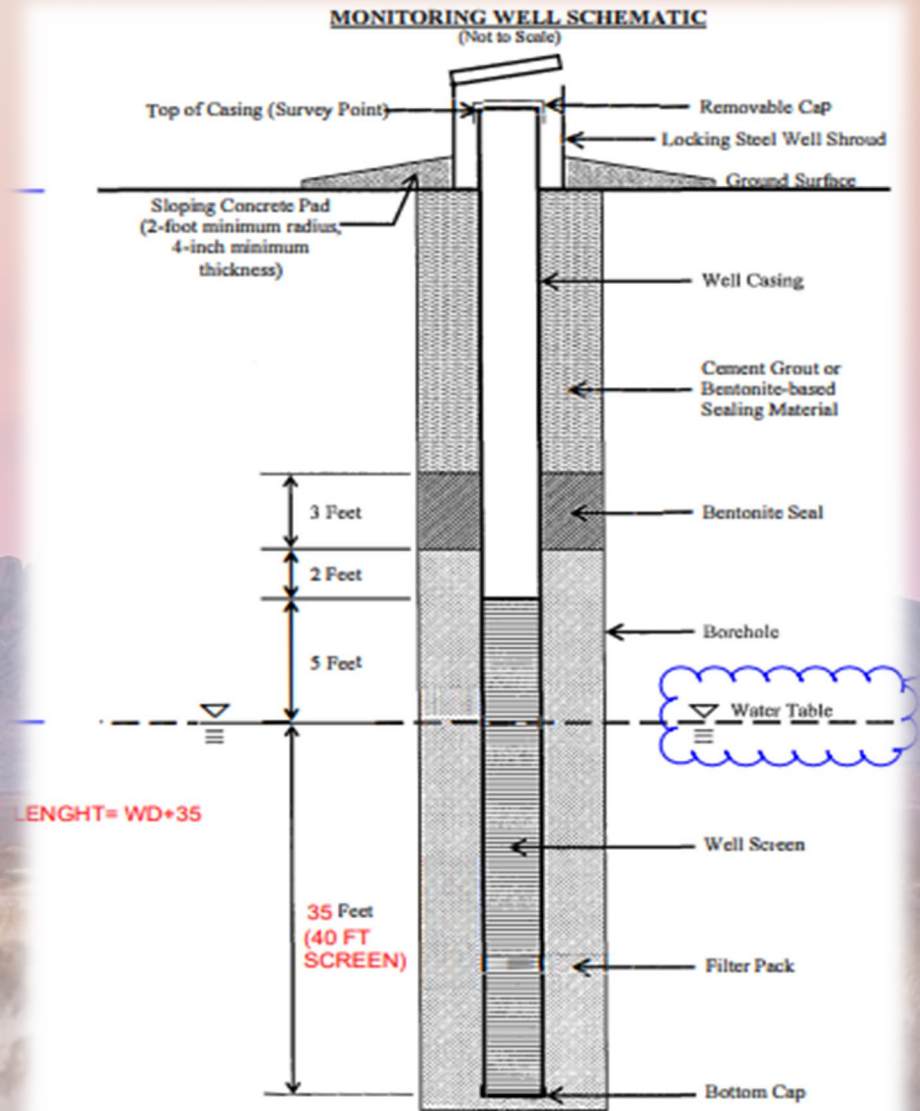
1 Departmental Warehouse Expediter

1 Departmental Superintendent

2 Departmental Office Staff



POTABLE SUPPLY WELLS AGRICULTURAL WELLS MONITOR WELLS



Monitoring Well Guidelines
Revision 1.1, March 2011

FIELD MEASUREMENTS OF OUR MONITORING WELL STATIC LEVELS
2023-2025
ARE NOW ONLINE AT
NMWATERDATA.ORG



2023 Wastewater First Quarter		2024 Wastewater First Quarter		2025 Wastewater First Quarter	
Well	Static Levels	Well	Static Levels	Well	Static Levels
MW-1	N/A	MW-1	111.70 ft	MW-1	112 ft
MW-10	92 ft	MW-10	92 ft	MW-10	N/A
MW-11R-B	115 ft	MW-11	115 ft	MW-11	114 ft
MW-12-R	120 ft	MW-12	120 ft	MW-12	117 ft
MW-13R	40 ft	MW-13	40 ft	MW-13	118 ft
MW-14	80 ft	MW-14	117 ft	MW-14	116 ft
MW-15	110 ft	MW-15	110 ft	MW-15	110 ft
MW-16	160 ft	MW-16	160 ft	MW-16	107 ft
MW-17	123 ft	MW-17	123 ft	MW-17	86 ft

ROUTINELY COLLECTED DATA IS NOW POSTED ON NM WATER DATA SITE



🏠 / Organizations / City of Deming / **City of Deming Water Level Data**

City of Deming Water Level Data

Followers
1

Dataset Groups Activity Stream

City of Deming Water Level Data

The city of Deming collects water level measurements twice a year from irrigation, monitoring, and wastewater wells.

Data and Resources

- City of Deming Water Level Measurements**
This CSV contains depth to water measurements collected by the City of Deming.
- City of Deming Well Locations**
This CSV contains City of Deming well locations.

Explore ▾

Explore ▾

Deming groundwater levels groundwater monitoring water wells

Information

Field	Value
Division	Public Works



City of Deming

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY
GEORGE OTIS SMITH, DIRECTOR

WATER-SUPPLY PAPER 345—C

UNDERGROUND WATER OF LUNA COUNTY
NEW MEXICO

BY

N. H. DARTON

WITH

RESULTS OF PUMPING TESTS

By A. T. SCHWENNESEN

Contributions to the Hydrology of the United States, 1914—C



City of Deming
Preliminary Engineering Report for
Water System Improvements

Prepared for City of Deming, New Mexico

October 2, 2017



Daniel B. Stephens & Associates, Inc.

6020 Academy NE, Suite 100 • Albuquerque, New Mexico 87109

WEAKNESSES

HALF-EMPTY?

THREATS



STRENGTHS

HALF-FULL?

OPPORTUNITIES

NEITHER!



***Why use the
wrong size glass?***



YOU CAN'T
DRINK
WATER
RIGHTS

Water Right Summary

WR File Number:	M 00328	Subbasin:	M
Primary Purpose:	IRR IRRIGATION		
Primary Status:	ADJ Adjudicated		
Total Acres:	105.200	Subfile:	6326 25.9.10
Total Diversion:	315.600	Cause/Case:	6326
Owner:	CITY OF DEMING A NEW MEXICO MUNICIPAL CORP.	Owner Class:	Owner

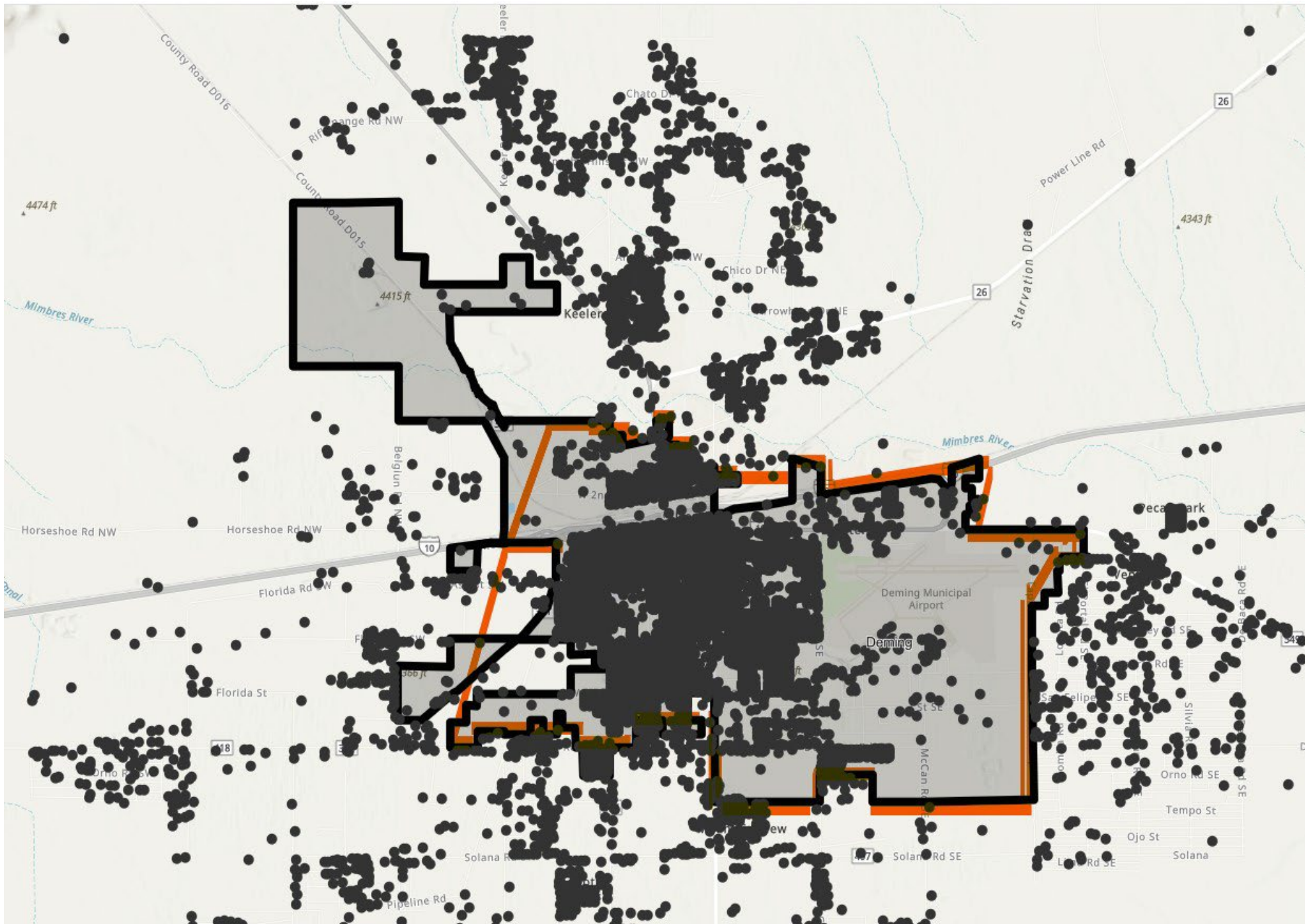


“WET
WATER
”



ON LINE OF
SOUTHERN PACIFIC.

PUMPING PURE WATER
FOR IRRIGATION
DEMING, NEW MEX.



ENVIRONMENTAL
CONCERN:
THREATS from
nearby residential
SEPTIC TANK sites

WATER SYSTEM DEFERRED MAINTENANCE/INVESTMENT GAP

1. Nationwide, ASCE projects a \$3.7 trillion **gap between current planned infrastructure investments and what must be done to have the nation's infrastructure in good working order.**
2. A review of City of Deming 2017 PER **indicates a \$28 million gap (in 2017 dollars)** to overcome deficiencies.
3. CoD FY25 capital replacement budget = \$550,000

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Introduction

America's infrastructure is the foundation on which our national economy, global competitiveness, and quality of life depend. While often taken for granted when it is working properly, every American household or business immediately feels the impact of just one inefficiency or failure in our built environment. Our infrastructure includes an interconnected system of highways, streets, public buildings, mass transit, ports, airports, inland waterways, water systems, waste facilities, the electric grid, broadband networks, dams, levees, and other public and private facilities. Maintaining these networks is essential to meet economic demands and protect public health and safety. For American families and businesses to thrive, we need a first-class infrastructure system that moves people and goods safely, sustainably, efficiently, and affordably by land, water, and air; energy transmission systems that deliver clean, dependable, low-cost power; and water systems that reliably and safely drive industrial processes, as well as the daily functions of our communities.

UTILITY OPERATOR CERTIFICATION

UOCP works in collaboration with **New Mexico Water Quality Control Commission** and the UOCP Advisory Board.

To become certified, operators must meet certification requirements and pass the New Mexico certification exams.

STATE OF NEW MEXICO Water Quality Control Commission

This certifies that

David X McSherry, PE

Has met the requirement for the Utility Operator Certification adopted by the New Mexico Water Commission pursuant to the Utility Certification Act. NMAC 20.17.4.1 and is hereby certified as a Utility Operator authorized to perform as a

Water Supply 4

Certificate No.: 24970

Operator Certified since: 04/05/2024

Expiration Date: 02/29/2028



Signed for Chairman, WQCC

Pursuant to the NMED Delegation Order dated February 19, 2024, the Cabinet Secretary has delegated the authority to issue Utility Operator Certificates to DWB Bureau Chief. The DWB Bureau Chief has further delegated this authority to Utility Operator Certification Program Team Lead Eric Hall.

I LOVE MY JOB --- UNLIKE THE PARKS & STREET DEPARTMENT, MY INFRASTRUCTURE IS HIDDEN UNDERGROUND!

