Doña Ana
Mutual Domestic Water Consumers Association
40-Year Water Plan

November, 2017

Souder, Miller & Associates
Engineering • Environmental
Surveying

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EXECUTIVE SUMMARY

The Doña Ana Mutual Domestic Water Consumers Association (MDWCA) provides potable water for a population of 15,302 connections) in an area extending about 90 square miles north and west of the City of Las Cruces in Doña Ana County, New Mexico. The Association was formed in 1974 and has a total pumping capacity based on estimated well yields of 11,495,000 gallons per day (12,877 acre-feet per annum) from thirteen wells. In the last five years, the Association recently added the Fairview, Picacho Hills and Radium Springs areas to its service area through the acquisition of the Fort Seldon Water Company, Fairview Estates Water System and the Picacho Hills Utility Company. These purchases added 1,382 customers, 7.4 square miles of service area and 5,851.53 acre-feet of water rights to the Doña Ana MDWCA service area.

Total gallons per capita day usage has been relatively stable the last several years averaging 106 gallons per capita day in 2016, including an estimated 5.1% water loss across the system. Usage levels are likely lower than average due to the rural, underdeveloped nature of the area and a tiered rate structure which promotes conservation.

The population growth for the service area was modelled using growth rates based on historic Doña Ana county growth rates. Using the combined population model based on the historic county growth rate and a consistent 106 gallons per capita usage rate, the vested groundwater rights currently owned by Doña Ana MDWCA will most likely be fully utilized in 2039. With over 2,500 undeveloped residential lots already platted within the service area, Doña Ana MDWCA appears very likely to meet or even possibly exceed the growth projections.

To address the shortfall in water rights within the period covered in this Plan (2016-2056), Doña Ana MDWCA is pursuing the vesting and acquisition of additional groundwater rights. To this end, the Association has dedicated a substantial portion of the fee for each new meter connection to a fund specifically to purchase water rights.

While no additional system improvements are necessary to fully utilize the existing water rights, a series of system improvements are underway to improve the reliability, connectivity and overall function of the system. These projects are in various degrees of planning, design or construction and rely upon funding from a variety of state and local sources, as well as internally generated (usage fee generated) funds. Doña Ana MDWCA diligently pursues funding opportunities to assist with improved service to its existing and prospective members, including those people that reside in the Fort Seldon, San Ysidro, Doña Ana, or Fairacres colonias within the Association's service area.

ABBREVIATIONS AND ACRONYMS

AFPA	acre-feet per annum
AWWA	American Waterworks Association
BECC	Border Environment Cooperation Commission
EBID	Elephant Butte Irrigation District
EPA	Environmental Protection Agency
FmHA	Farmers Home Administration
FONSI	Finding of No Significant Impact
GPCD	gallons per capita day
gpm	gallons per minute
HH	household
IBWC	International Boundary and Water Commission
LRGWUO	Lower Rio Grande Water Users Organization
MDWCA	Mutual Domestic Water Consumers Association
MG	million gallons
NEPA	National Environmental Policy Act
NMDOT	New Mexico Department of Transportation
NMED	New Mexico Environment Department
NMFA	New Mexico Finance Authority
NMOSE	New Mexico Office of the State Engineer
NVRWRP	North Valley Regional Water Reclamation Plant
NPDES	National Pollution Discharge Elimination System
PER	preliminary engineering report
psi	pounds per square inch
PVC	polyvinyl chloride
SMA	Souder, Miller & Associates
STAG	State and Tribal Assistance Grant
ULFT	ultra-low flush toilet
USDA	United States Department of Agriculture
WTB	Water Trust Board

1. BASELINE OF CURRENT WATER USE

1.1. Overview of Present Water Delivery System

The Doña Ana Mutual Domestic Water Consumers Association (Doña Ana MDWCA) provides potable water for a population of 15,302 (5,500 connections) in an area extending more than 90 square miles north and west of the City of Las Cruces in Doña Ana County, New Mexico. Prior to 1976, the Doña Ana Water system was owned and operated as a private system. The system was acquired in 1976 by Doña Ana MDWCA, which had formed previously in 1974. Through a loan with the Farmers Home Administration (FmHA), Doña Ana MDWCA acquired the system, purchased additional water rights and expanded the system. By 1977, the water system grew to serve 570 connections. The original system consisted of a transmission and distribution system, two wells and pumping stations, which produced 520 gallons per minute (gpm), and a 500,000-gallon storage reservoir. The New Mexico Environment Department (NMED) approved a loan to the Association in 1982 for additional transmission lines, a new storage reservoir and a new well. More recently, the Association has constructed additional transmission lines for the western and northern portions of the service area, a new (replacement) supply well and a booster station to provide additional flow and pressure capacity within the upper pressure zone.

In April 2013, Doña Ana MDWCA acquired the assets of the Fort Seldon Water Company (397 connections, 978 people). The Radium Springs service area includes three water supply wells, a booster station and two 110,000-gallon storage tanks. The Association is currently completing the design for improvements to the Radium Springs distribution system. The Association also acquired the assets of the Picacho Hills Utility Company water and wastewater systems (931 connections, 2,402 people) in December 2013. The Picacho Hills service area included three supply water wells, two booster stations and a 367,000-gallon storage tank. The Association is near completion of construction of two additional 900,000-gallon storage tanks in Picacho Hills. In December 2013, the Association acquired the Fairview Estates Water System (48 accounts, 168 people). The Fairview service area includes two water supply wells. The Association completed improvements to upgrade the distribution system and physically connect the Fairview system to the remainder of the system in 2016. This connection is fully functional. The Association plans to install piping to connect the Fairview system to the Picacho Hills system in 2017.

The following chart shows the Doña Ana Service Area Weighted Average of Persons Per Household.

Doña Ana MDWCA Service Area Weighted Average of Persons Per Household (HH)				
Service Area	**Persons per HH (2010 census)**	**Connections**	**Population**	**Weighted Average Persons per HH**
Doña Ana	2.85	4,124	11,753	
Fairview	3.5	48	168	
Picacho Hills	2.58	931	2,402	
Radium Springs	2.464	397	978	
		5,500	15,302	**2.78**

Doña Ana MDWCA has a total of nine water storage tanks. In Doña Ana, the water storage tanks are in two locations east of Interstate 25, with two welded steel water storage tanks at each location. The north tanks (2.5 MG capacity) are east of the Doña Ana interchange and the south tanks (1.5 MG capacity) are approximately 1 mile east of the intersection of Hatfield Road and Elks Drive. The 367,000-gallon Picacho Hills storage tank is constructed of welded steel and is located along the western end of Barcelona Ridge Road. The tank has a leak from a welded seam that is located 40-feet above the tank floor. A recent inspection of the tank revealed that the tank is highly degraded, with extensive shell plate discontinuities with thin steel plating that does not meet current construction standards. The two new 900,000-gallon storage tanks in Picacho Hills are located west of the service area and are constructed of welded steel. The Radium Springs service area is served by two 110,000-gallon welded steel storage tanks. Tank 1, referred to as Soldier Tank, is located near the north end of the service area on the west side of Interstate 25, while Tank 2, referred to as Indian Tank, is located on the east side of I-25.

As detailed in the following table, the Association's distribution system consists of over 144 miles of polyvinyl chloride (PVC), ductile iron (DI) and asbestos-cement (AC) pipeline that ranges from 1- to 18-inches in diameter. System pressure varies from 20 to 95 pounds per square inch (psi) depending upon the elevation of the residence. In Doña Ana, system pressure for the lower pressure zone is provided by static pressure from the four storage reservoirs and from pumping pressure from the six wells located throughout the system. In Fairview, pressure is provided by the new connection to the Doña Ana portion of the system. In Radium Springs, system pressure is provided by the booster station and two storage tanks. In Picacho Hills, pressure is provided by the storage tanks and two booster stations.

Doña Ana MDWCA Distribution System Pipeline Characteristics					
Pipe Size and Type	**Main System (LF)**	**Picacho Hills (LF)**	**Radium Springs (LF)**	**Fairview (LF)**	**Total (LF)**
2" PVC (or smaller)	55,931		19,937		75,868
3" PVC	3,352				3,352
4" DI		212			212
4" AC	3,647				3,647
4" PVC	76,348	1,782	27,840		105,970
6" DI		1,610			1,610
6" AC	21,693				21,693
6" PVC	135,354	2,108	37,516	6,430	181,408
8" DI		76			76
8" AC	5,013				5,013
8" PVC	116,751	122,796	11,245		250,792
10" PVC	52,466	10,229			62,695
12" PVC	35,537				35,537
18" PVC	15,737				15,737
Total	521,829	138,813	96,538	6,430	**763,610**

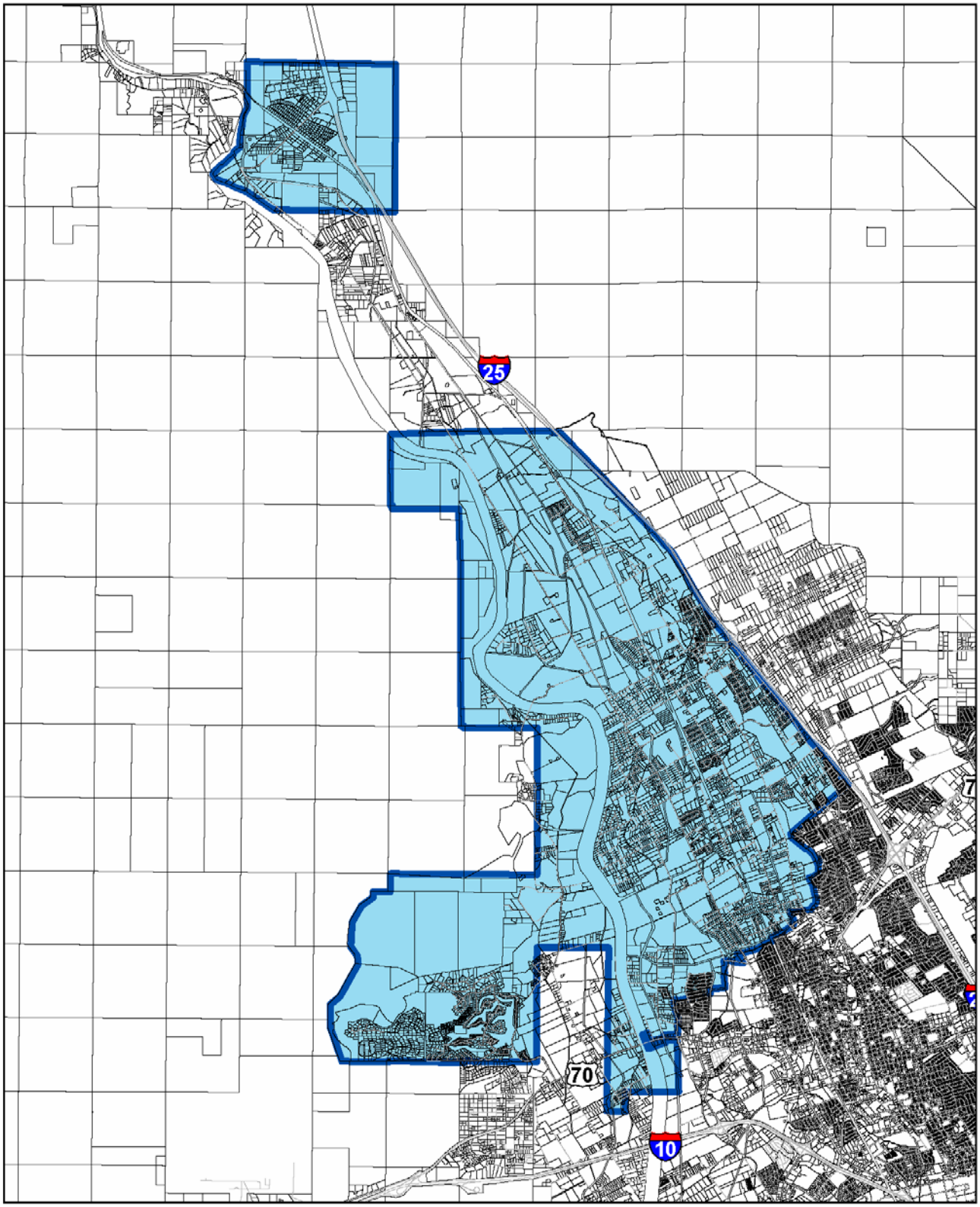
Doña Ana MDWCA Meter Count	
Meter Size	**Meter Count**
5/8" x ¾"	5,395
1"	22
1.5"	1
2"	76
3"	2
4"	4

The Association has a total of five booster stations. Two of the booster stations are located in the upper Doña Ana pressure zone, which is comprised of residences west of Interstate 25. The first Doña Ana booster station is located at Well #2, immediately east of the Doña Ana MDWCA administrative complex; while the second Doña Ana booster station is located at the intersection of Hatfield Road and Elks Drive at the southeast corner of the service area. The Radium Springs booster station is located near the system wells immediately northeast of the Fort Seldon State Monument. Picacho Hills is served by the Anthem and Barcelona Ridge booster stations. The Barcelona Ridge booster station is located at the west end of Barcelona Ridge Road and supplies the Coronado Ridge

subdivision, while the Anthem booster station is located on the north end of Anthem Road and, after the recent improvements, conveys water from the lower tank and wells to the new storage tanks.

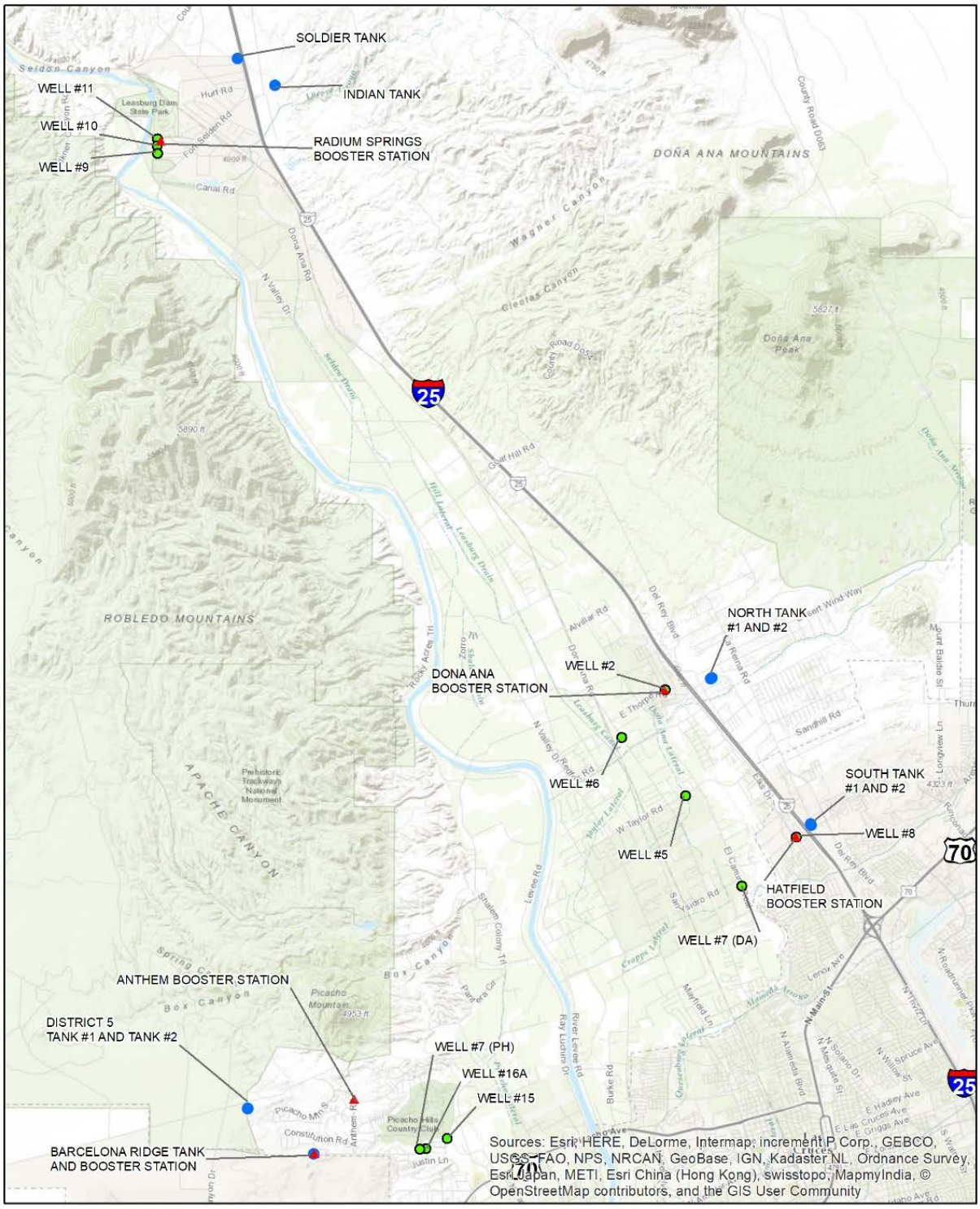
As of June 2017, Doña Ana MDWCA serves 5,224 water meters for approximately 14,522 residents within a service area in excess of 90 square miles. The current Water Service Area Map for Doña Ana MDWCA is provided as Figure 1.

FIGURE 1 – DOÑA ANA MDWCA WATER SERVICE AREA MAP



The current Doña Ana MDWCA Facilities Map showing existing wells, tanks and booster stations is provided as Figure 2.

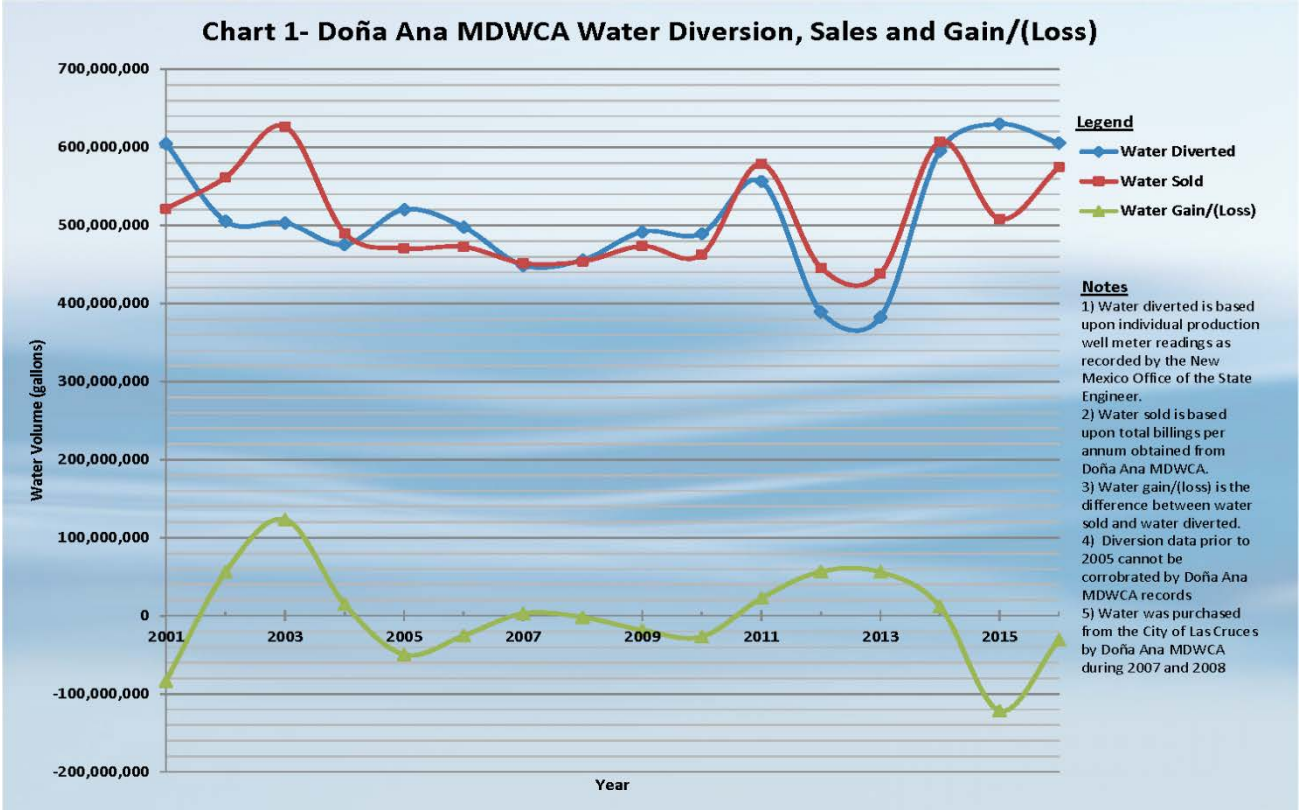
FIGURE 2 – DOÑA ANA MDWCA FACILITIES (Existing Wells, Tanks and Booster Stations)



This report will assess the water use and population demand projections for the entire Doña Ana MDWCA service areas since the water rights for the system are being combined and comingled.

1.2. Current Water Use

Annual water diversions from 2001 through 2016 for the Doña Ana MDWCA distribution system is illustrated on Chart 1; and Table A-1 in Appendix A. A summary of annual well production for all four service areas is shown as Table B-1 in Appendix B. Values for diversion were derived from well master readings (Appendix B) reported to the New Mexico State Engineers Office (NMOSE), while sales records were obtained from Doña Ana MDWCA. Sales records indicate that a recent maximum was achieved in 2014. Total sales volume has a generally increasing trend over the past several years.

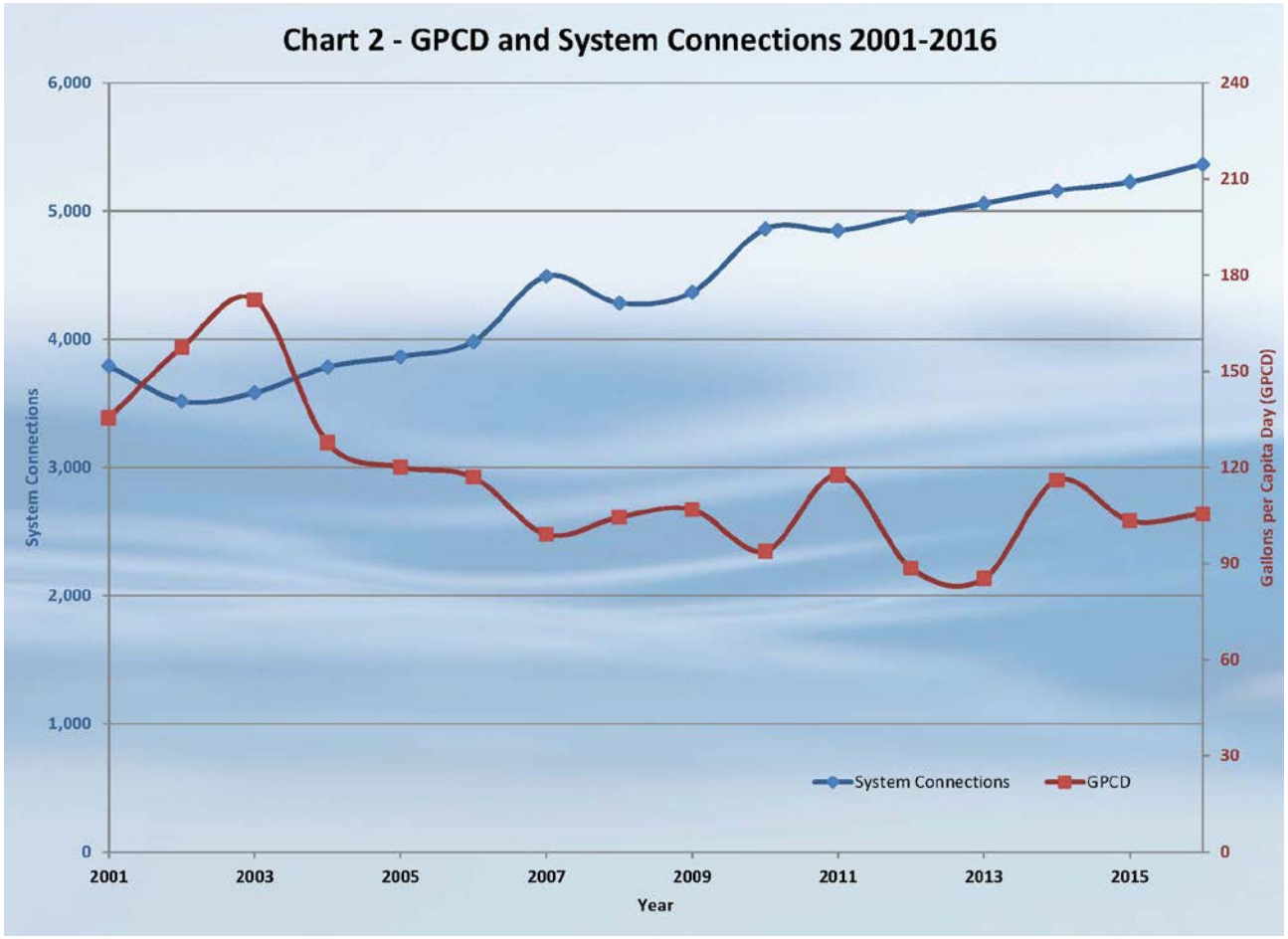


Calculated system losses have varied significantly, with a number of years showing gains (sales exceeding diversion). This variability is likely attributable to a combination of occasional purchase of water from an interconnected system (City of Las Cruces), aged meters and sales methodology (rounding). Over the past few years, Doña Ana MDWCA completed several projects that have improved accuracy and address the discrepancy between sales and diversion. More recent data indicates a system loss of 13.0% in 2015 and 5.1% in 2016.

1.3. Gallons per Capita per Day Analysis

1.3.1. Gallons per Capita per Day Analysis

Gallons per capita day (GCPD) analysis was completed using the NMOSE GCPD v2.05 spreadsheet tool for the Doña Ana MDWCA service area. The results of analysis using the NMOSE model for 2016 was an estimate of 111 GCPD based on total diverted volume and 106 GPCD based on consumption (metered sales). This analysis was based on a total of 5,500 connections and an estimate of 2.78 persons per household for a population of 15,302. The household size estimate is based on an average of the household sizes for Doña Ana, Radium Springs, Picacho Hills and Fairview Estates. A copy of the GCPD v2.04 Beta model output is included as Appendix C. As shown on Table A-2 in Appendix A and Chart 2 below, per capita use based on consumption has been relatively consistent since around 2005.



2. EXISTING AND FUTURE CONSERVATION EFFORTS

2.1. Existing Water Conservation Programs

2.1.1. Supply-Side Conservation Programs

In the original Doña Ana service area, Doña Ana MDWCA has developed an efficient water distribution system that has demonstrated water loss typical of a well-run municipal water system. Water loss calculations prior to 2015 are not reliable, principally due to a combination of occasional purchase of water from an interconnected system (City of Las Cruces), aged meters and sales methodology (rounding). Losses from 2016 were measured at a reasonable level of 5.1% and were not impacted by any of the prior factors (e.g. no water purchases, new meters have been installed, sales software has been upgraded, etc.). These losses are most likely kept reasonable as the result of extensive and rapid system repairs to reduce leakage.

Doña Ana MDWCA has a conservative rate schedule that promotes conservation and is a likely driver for the favorable consumption levels in the system. The fee schedule includes a monthly base charge that varies from $17.70 per month for a 5/8-inch meter up to $761.64 per month for a 6-inch meter. The fee schedule has the following progressively tiered fee schedule for usage:

- $2.09 for every 1,000 gallons used between 0 and 4,999-gallons,
- $2.78 for every 1,000-gallons used between 5,000 and 9,999-gallons,
- $3.72 for every 1,000 gallons used between 10,000 and 19,999-gallons,
- $4.96 for every 1,000-gallons used over 20,000-gallons.

All consumption is also subject to a conservation fee of $0.03 per 1,000 gallons of use.

2.1.2. Demand-Side Conservation Programs

Specific water conservation programs, such as requirements for the installation of water conserving plumbing fixtures or financial incentives for water conserving plumbing fixtures, are either not feasible or not available to Doña Ana MDWCA because, as a mutual domestic, Doña Ana MDWCA lacks any legal authority to enact binding ordinances or similar legislative measures. Doña Ana MDWCA's only viable demand-side conservation measure is to adopt appropriate rate structures and encourage voluntary conservation. However, much of the new construction that is developed within the service area will incorporate conservation principles due to plumbing code enforcement by local and state agencies. Features such as Ultra-Low Flush Toilets (ULFTs) that use 1.6 gallons per flush or less and showerheads that use less than 2.5 gallons per minute (gpm) are common examples of modern residential construction. Likewise, most new construction incorporates the use of refrigerated air cooling units rather than the more traditional evaporative coolers, which by themselves can consume more than 12,000 gallons of water per year. By way of example, assuming that 70% of the connections within the current Doña Ana MDWCA system utilize evaporative coolers, nearly 35 MG of water per year (over 6% of the total Doña Ana MDWCA consumption) are lost each year to evaporation.

Ultimately, no demand-side conservation program will be successful without sufficient public education with targeted goals. These goals are somewhat complicated for a rural water system in an agricultural setting such as Doña Ana MDWCA since water can at times appear to be in abundance. However, certain key elements of an educational program have been presented as part of the New Mexico Lower Rio Grande Regional Water Plan produced by the Lower Rio Grande Water Users Organization (LRGWUO) in 2003. An updated New Mexico Lower Rio Grande Regional Water Plan was completed in March 2017. The first goal, awareness of the value and importance of water, has already become largely ubiquitous within the region. The second goal, emphasizing the limitation and the variability of precipitation from year to year is largely addressed by specifying drought conditions and conservation requirements on regular monthly billings. The second goal has also been well implemented with information on annual precipitation widely available and routinely discussed in the media. Regardless of the requirements and specific goals of an educational program, further public information regarding the limited water resources of the area should provide for continued conservative use.

2.1.3. Results from Implemented Programs

The data for the Doña Ana MDWCA service area shows that diversions have held steady and individual use has slowly declined over the past fifteen years. At such low usage rates, other variables such as precipitation, temperature, construction use and new housing have an increasingly more significant impact, somewhat obscuring relatively minor changes from conservation education.

2.2. Description of Future Water Conservation Programs

The need for, or at least the likelihood of, substantial positive results from further conservation efforts is questionable when comparing regional water per capita consumption to that of Doña Ana MDWCA members. In 2016, Doña Ana MDWCA members utilized 106 GPCD based on consumption (metered sales). Average daily use in the southwest varies from a low of below 100 GPCD up to 300 GPCD. Other water providers in Doña Ana County are reported to have a per capita water consumption ranging from approximately 97 to 131 GPCD (Chamberino, Anthony, and Las Cruces). However, the Association may want to consider some of the following ideas in the future to enhance and maintain the already austere water conservation ethic of its members.

2.2.1. Implementation Schedules (Short and Long-Term) of Planned Conservation Activities

Doña Ana MDWCA will be implementing a conservation plan that includes the following elements:

1. Improve water system efficiency by reducing losses due to leakage, line breaks, vandalism and theft.
   a. Conduct source water metering replacement, testing and calibration
   b. Implement a program to test, calibrate, repair & replace meters systematically
   c. Implement automated sensors and telemetry
2. Reduce consumption by utilizing inclining block water rate structure.
   a. Review water rate structure on an annual basis
3. Reduce demand by encouraging residential water conservation.
   a. Regularly complete water system audits and GPCD analyses

b. Regularly review water bills to ensure adequate and pertinent data is included regarding use
c. Create informative water bill inserts
d. Promote landscape and appliance efficiency

Since the City of Las Cruces has an established water conservation education program in area schools, Doña Ana MDWCA will not be implementing a school outreach program. The Association partners with the City of Las Cruces on educational outreach events including an annual Water Festival for grade school children. Ongoing member education, combined with the annual water fair, provide the most cost-effective avenue to educate large numbers of future Association members.

The Association has already made significant improvements to the water system, including the installation of new meters system-wide. The Association is also in the process of planning, designing and constructing improvements in the recently acquired Radium Springs, Fairview and Picacho Hills service areas. As part of this effort, the Association recently replaced all production meters and installed remote telemetry at each of the system wells. The Association will also develop a program for production meter testing, calibration and repair, as needed. Further, the Association will also begin completing annual audits of the system for using the AWWA and NMOSE tools to evaluate unaccounted for water and opportunities for continuous improvement.

The last action proposed to be taken during the first year of the Association's water conservation program includes developing water conservation information and education processes including reviewing the design of the water bill and creating conservation information as water bill inserts including information on promoting landscaping water efficiency.

The Doña Ana MDWCA Board of Directors reviews the existing rate structure on an annual basis. Part of this process is to ensure that the rate structure is adequately promoting water conservation.

Long term (five-year time frame) water conservation efforts will also include:

- Ongoing revisions of the water bill to provide informative information.
- Educational material will be placed in the Association office and inserted into water bills.
- Evaluate available telemetry to integrate with the existing SCADA system to monitor system pressures and flows to allow for faster response to leaks.
- Initiate a customer meter testing and calibration program to complement the existing replacement program.

Planned Water Conservation Activities					
Water Conservation Measure	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**
Source meter replacement, testing and calibration	Begin	Continue	Continue	Continue	Continue
Distribution meter testing & calibration	-	-	-	Begin	Continue
Annual review water rate structure	Continue	Continue	Continue	Continue	Continue
AWWA water system audits and GPCD analyses	Impleme nt	Continue	Continue	Continue	Continue
Review water bills	Review	Begin	Continue	Continue	Continue
Water bill inserts	Develop	Begin	Continue	Continue	Continue
Promote landscape and appliance efficiency		Begin	Continue	Continue	Continue
Implement automated sensors and telemetry (SCADA)	-	-	-	Begin	Continue

2.2.2. Financing Methods of Implementing Future Water Conservation Programs

The need for financial support for future water conservation programs will center on what if any program(s) Doña Ana MDWCA elects to pursue.

Estimated Water Conservation Program Costs					
Water Conservation Measure	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**
Source meter testing and calibration	$7,000	$2,000	$2,000	$2,000	$2,000
Distribution meter testing & calibration	-	-	-	$4,000	$2,000
Review water rate structure	$1,000	$1,000	$1,000	$1,000	$1,000
AWWA water system audits and GPCD analyses	$2,000	$2,000	$2,000	$2,000	$2,000
Review water bills	$2,000	$2,000	-	-	-
Water bill inserts	$2,000	$1,000	$1,000	$1,000	$1,000
Promote landscape efficiency	-	$1,000	$1,000	$1,000	$1,000
Implement automated sensors & telemetry (SCADA)	-	-	-	$2,000	$20K
Yearly Cost	$14,000	$9,000	$7,000	$13,000	$29,000
Total Five-Year Program Cost	**$72,000**				

As noted earlier, water system improvements that are being implemented to replace older, leaking portions of the system have already been anticipated under the standard capital planning and that funding is not included in the Water Conservation Plan estimated costs. This table shows the actual additional effort required to implement this Water Conservation Plan only. These efforts will be performed by existing Association staff as part of their normal duties. Most of the costs shown are labor costs necessary to implement the water conservation item.

2.2.3. Anticipated Results of Each Program

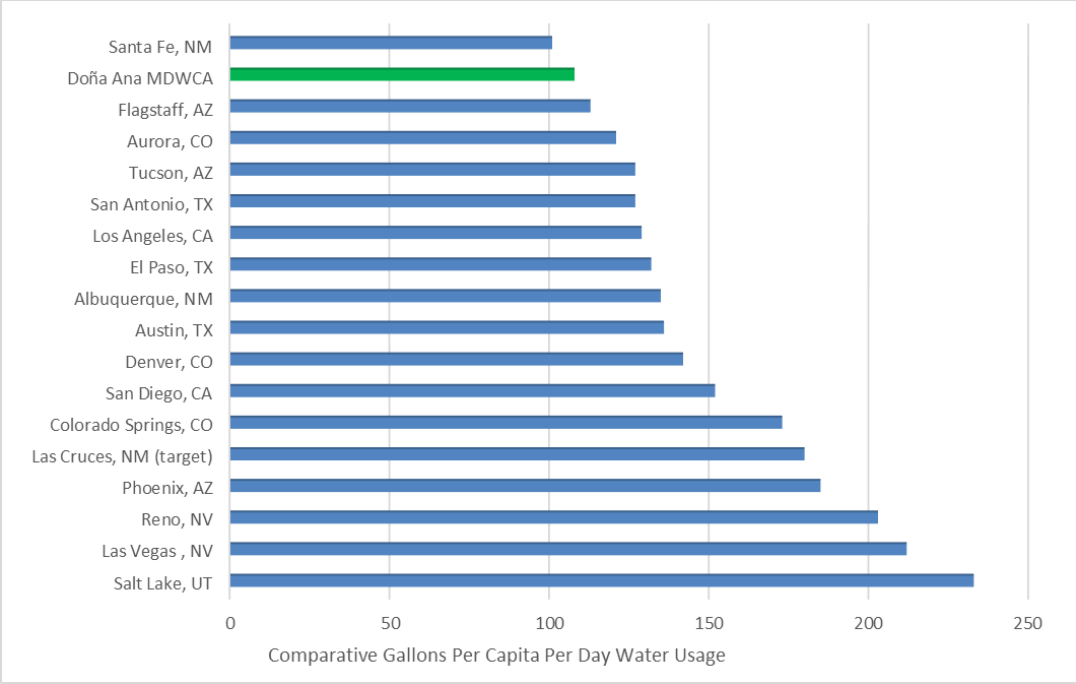
The 2016 baseline GPCD of 106 suggests that future water conservation efforts are unlikely to result in significant (>10%) additional reductions. Modest reductions of less than 10% are likely still possible due to ongoing education and community outreach by keeping the message of conservation in front of the members, which in turn will aid in sustaining the laudable members' GPCD. In addition, the 2016 unaccounted for water for the entire system is relatively modest at 5.1%.

Based on this information, Doña Ana MDWCA set the following goals for its water conservation program:

- Quantify and maintain nonrevenue water to below 10% by 2025
- Maintain residential GPCD below 110 by 2025,
- Educate the public about water conservation, and
- Increase the water audit data validity score from 74 to 80 by 2025.

2.3. Future GPCD Projections

Goals for other regional communities are highly variable and reflect a diversity of residential and industrial water uses. Doña Ana MDWCA, in contrast, is almost entirely residential in nature. Changes that impact this singular customer base, such as fee schedule changes, will likewise tend to influence the overall GPCD. With consideration of the current GPCD value of 106 GPCD based on consumption (metered sales), substantial reduction will likely not be possible. However, minor changes in behavior and continued implementation of a rate structure that stresses conservation should result in a long-term planning average of 100 GPCD. The present (2016) GPCD value of 106 for Doña Ana MDWCA ranks second in GPCD when compared to regional peer communities. Comparable GPCD data is shown below:



3. PROJECTED FUTURE POPULATION

3.1. Population Projections

Population projections for the Doña Ana MDWCA service area was evaluated using three separate approaches. For each of the service areas, growth rates were produced by evaluating:

- long-term historic growth of service connections,
- short-term growth of service connections, and
- historic population growth for all Doña Ana county.

3.1.1. Doña Ana MDWCA System Growth Projection

Historic Service Connections: An estimate of future growth was generated using the most recent fifteen years (2001-2015) of the actual Doña Ana MDWCA service area water system connections and a constant of 2.78 persons per household, based on the average of household size from the 2010 census for the Doña Ana, Fairview, Picacho Hills and Radium Springs service areas. Graphically evaluating data from these years using trend line analysis results in the following best-fit linear equation for growth:

$y = 324.54 * x – 638,943$
Where x is the plan year and y is the corresponding projected population

This linear growth projection results in an estimate of 10,184 connections (population of 28,311) in 2056. This estimate is the mid-range growth rate estimation for the Doña Ana service area.

Recent Service Connections: An estimate of future growth was generated using more verifiable records of the actual Doña Ana MDWCA service area water system connections growth since September 2015 and a constant of 2.78 persons per household. Graphically evaluating data from these years using trend line analysis results in the following best-fit linear equation for growth:

$y = 194.76* x – 384,635$
Where x is the plan year and y is the corresponding projected population

This linear growth projection results in an estimate of 8,311 connections (population of 23,104) in 2056. This estimate is the low-range growth rate estimation for the Doña Ana service area.

County-Wide Census Data: The population of Doña Ana County had an annual compounding growth rate of approximately 1.82% from a population of 174,682 in 2000 to 209,233 in 2010. Using the number of connections in 2016 (5,500) and a 1.82% compounding growth rate, the Doña Ana service area would serve 11,316 connections or 31,458 people in 2056. This estimate is the high-range growth rate estimation for the Doña Ana MDWCA service area.

The compounding growth method based on historic county growth rates produces the high-range projection (31,458 in 2056.) This method was selected because it is based upon county-wide data

and is the conservative high-range estimate. The projection has also been normalized at the start of the planning period (2016) to match the exact number of current connections.

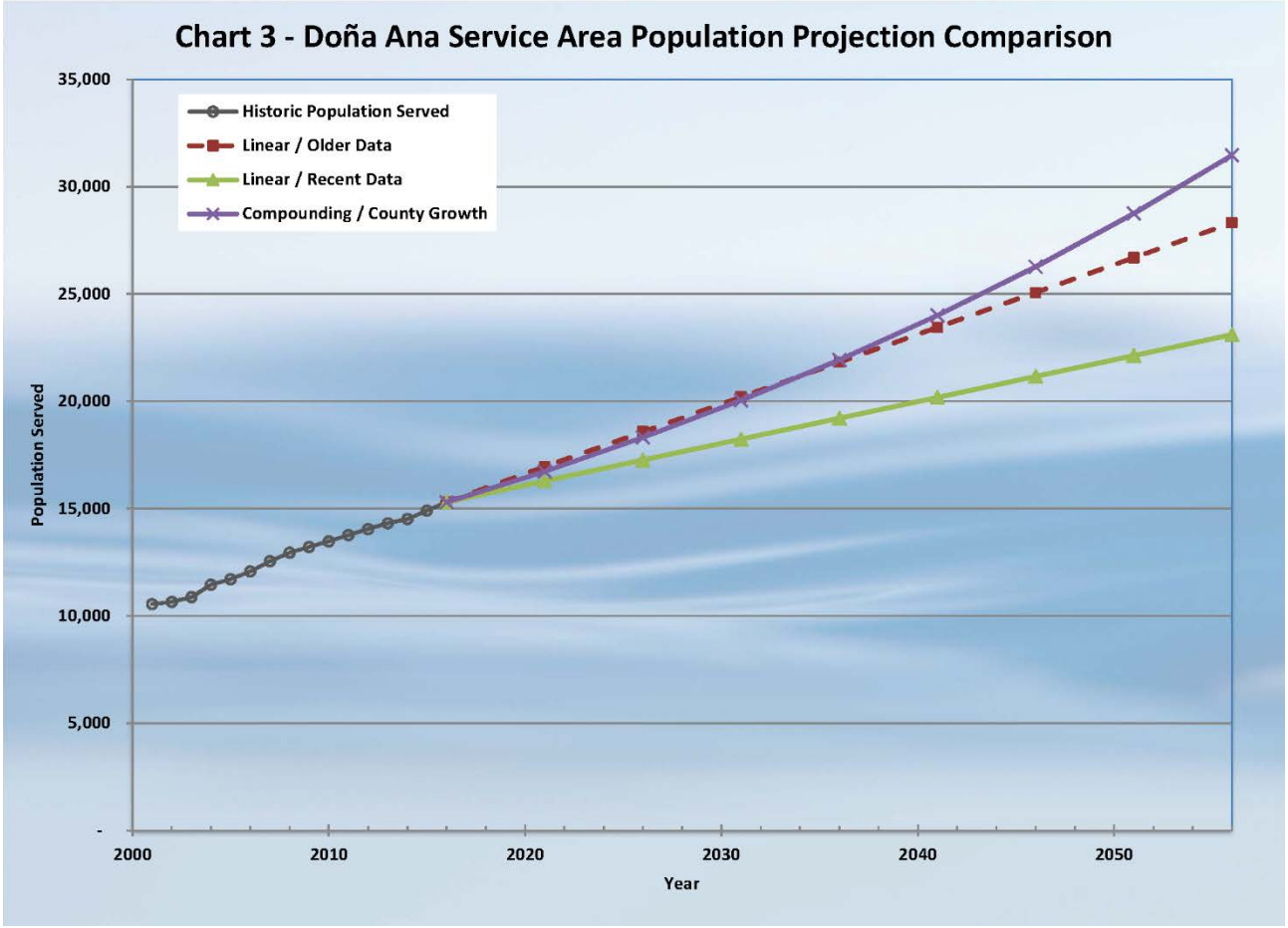
3.2. Statement of Future Population

3.2.1. Doña Ana MDWCA Service Area Statement of Future Population

The current population, predicted growth rate, 2056 projected connections and population for the service area is summarized below.

Service Area	2016 Population	Growth Rate	2056 Connections	2056 Population
Combined System	15,302	1.82%	11,316	31,458

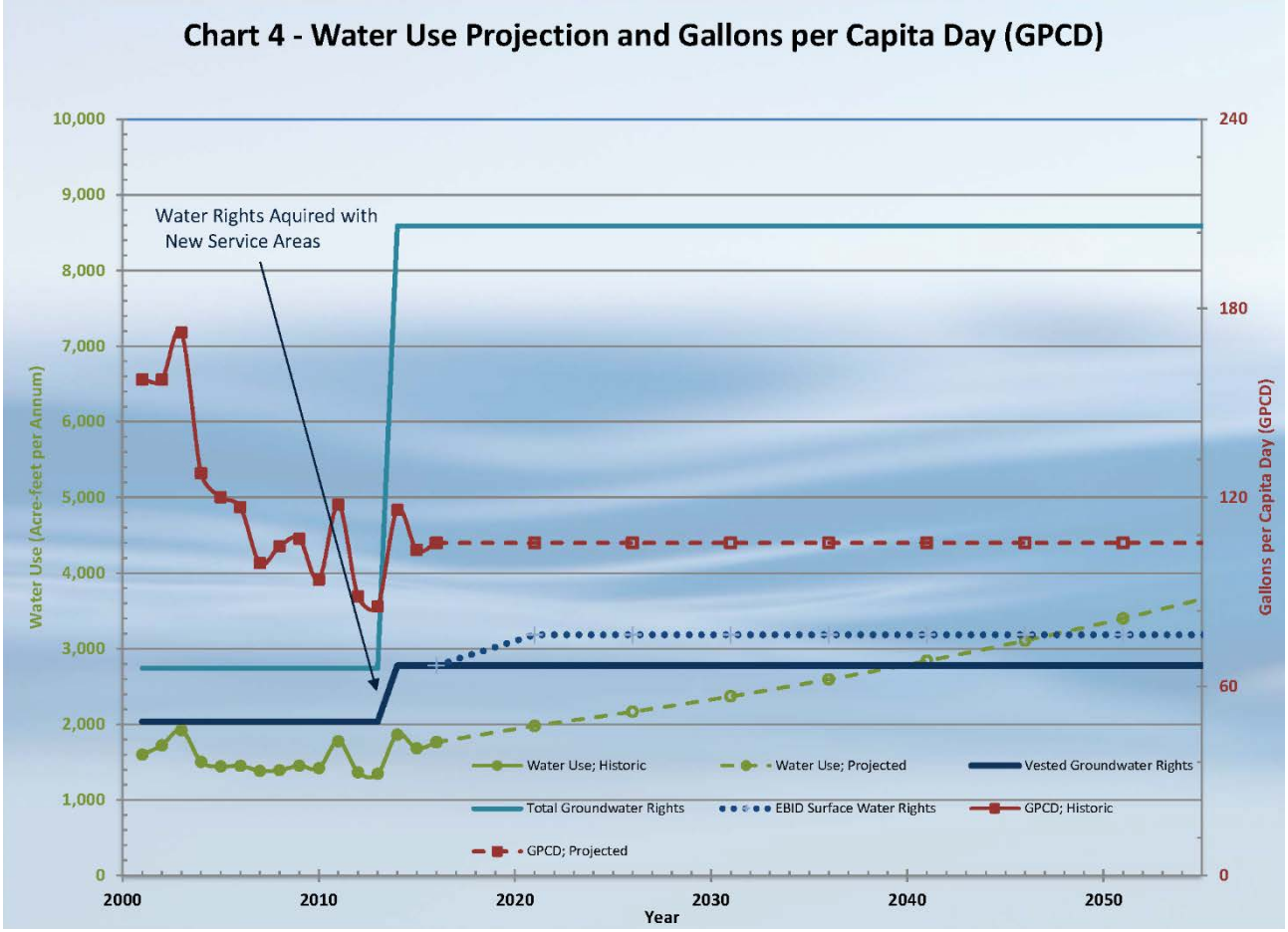
Growth curves representative of all three projection methods are presented in Chart 3; and Table A-3 in Appendix A. As a representative mid-range projection, the compounding growth projection based on historic county growth was utilized for the purposes of this planning document. This methodology yields a population of 18,312 (6,587 connections) in 2026, 21,932 (7,889 connections) in 2036, 26,266 (9,448 connections) in 2046 and 31,458 (11,316 connections) in 2056.



4. STATEMENT OF ANTICIPATED DEMAND

4.1. Calculation of Future Demand

Assuming a constant future usage rate of 106 GPCD and using the population projections discussed under Section 3.2 of this report, future water demand is anticipated to be 2,166 acre-feet per annum (AFPA) in 2026, 2,594 AFPA in 2036, 3,106 AFPA in 2046 and 3,720 AFPA in 2056. These values are presented in Table A-4 in Appendix A and are depicted versus GPCD and available water rights in Chart 4.



4.1.1. Mandates Requiring Developers to Obtain Water Rights for Development

All new residential connections made to the Doña Ana MDWCA system require a minimum $2,750 connection fee, which includes $1,750 attributable to the purchase of additional water rights. This water rights fund is set aside and used to acquire new adjudicated water rights as they become available on the local market.

4.2. Demonstration that Absence of Water is a Limitation on Growth

With respect to the projected growth within the existing Doña Ana MDWCA service area, additional water rights must be secured over the next 15 years to be prepared for the second half of the planning period. Because of the location of the Doña Ana MDWCA system in the upper end of the Mesilla Bolson, availability of actual "wet" water will be limited during the planning period due to continuing drought with limited recharge from the Rio Grande and pumping for agriculture.

Present *total* water demand includes domestic requirements supplied predominantly by Doña Ana MDWCA and agricultural requirements supplied by a combination of surface water obtained through the Elephant Butte Irrigation District (EBID) and private groundwater diversion. The rural nature of the area is reflected by significant irrigated cropland within the project area. Principal crops include pecans and alfalfa; additional crops also include onions, cabbage, corn, cotton and chile peppers. Typical annual water demand for pecans is approximately 6.0 feet per acre and for alfalfa it is approximately 5.0 feet per acre. Annual water use for the remaining crops (assuming a fall and spring crop planting) is approximately 4.0 feet per acre. In comparison, assuming a 10-acre average rural lot size, a residential population of 2.78 persons per household and 106 GPCD, residential use will result in a water demand of approximately 0.03 feet per acre, which is about one-hundredth of the crop demand.

5. DISCUSSION OF WATER AVAILABILITY

5.1. Water Rights Information

Doña Ana MDWCA currently owns or is otherwise perfecting ownership of 5,812.776 per annum acre-feet of groundwater water rights shown in Table A-5 in Appendix A. Of these water rights, 2,777.836 acre-feet have been vested. In addition to these groundwater rights, Doña Ana MDWCA currently owns 155.978 acres of surface water rights shown in Table A-6 in Appendix A. These surface water rights are under the jurisdiction of EBID and represent 467.934 acre-feet assuming a full seasonal allocation of three feet per irrigable acre. Several recent allocations, due to drought conditions, have been notably less than three feet, and historically several allocations have been less than one foot. The lesser allocation would result in a corresponding reduction of available surface water and a greater reliance upon groundwater rights.

If the 467.934 acre-feet of surface water rights were to be converted to groundwater rights an offset would have to be applied. This offset could reduce the surface water rights from 467.934 acre-feet to 405.6 acre-feet of ground water rights. An offset of 0.867 was used to calculate the amount of ground water rights.

Chart 4 identifies that circa year 2039 all vested groundwater rights currently owned by Doña Ana MDWCA will be fully utilized. The currently held EBID surface water rights provide an additional 405.668 acre-feet of water, extending the sustainable window an additional nine years to 2048, also as illustrated in Chart 8. A summary of documents pertaining to groundwater and surface water rights held by Doña Ana MDWCA is provided as Appendix D.

5.1.1. Availability of Additional Water Rights

The scarcity of water rights within the Lower Rio Grande area has caused prices for water rights to increase over the past decades. The value is higher for those rights that have proven beneficial use and early priority (as compared to those that are purely claimed rights and/or have a more recent priority date). Doña Ana MDWCA is acutely aware of the need to proactively acquire additional adjudicated water rights and hence has established a specific fund for this purpose. As water rights are identified as potential strategic acquisition targets negotiations are undertaken to establish a fair market value.

5.1.2. Effect on Tribal, Pueblo and Native Water Right Interests

Doña Ana MDWCA is located a minimum of 30 miles from any existing known tribal, pueblo or native water right interests. Hence, no effect is anticipated from use of water by Doña Ana MDWCA during the planning period of this report.

5.2. Hydrology Information

5.2.1. Surface Water Availability Analysis

The only notable source of surface water in the area is the Rio Grande; however, it is now common for this river to record zero flow in the Doña Ana reach outside of the irrigation season. During the

summer months, water is released from the upriver Caballo and Elephant Butte dams and distributed to agricultural users through a series of canals and laterals. Without a surface water treatment plant, Doña Ana MDWCA is not able to utilize surface water rights. However, the lack of consistently available surface water limits the economic practicality of building and operating a surface water treatment plant at this time. Doña Ana MDWCA has no current plans to build a surface water treatment plant.

5.2.2. Groundwater Availability Analysis

According to Transboundary Aquifers of the El Paso/Ciudad Juarez/Las Cruces Region (1997), the Doña Ana MDWCA service area and well field lies predominantly in the Rio Grande Floodplain Alluvium and the Mesilla Bolson of the Mesilla Basin groundwater aquifer system. The Mesilla Basin is bounded locally by the Robledo Mountains to the west, Fort Selden Canyon to the north and the Doña Ana Mountains to the east. The primary sources of recharge for the basin are seepage from the Rio Grande and infiltration from irrigation, of which approximately 1/3 is credited as resulting in aquifer recharge. An additional small amount of recharge is provided by occasional surface flow through arroyos.

The Rio Grande Floodplain Alluvium is an unconfined aquifer with both clay and fluvial facies. The depth of the alluvium is variable but is generally not more than 80 feet, suggesting that, because the Doña Ana MDWCA wells are screened beginning below 100 feet, the alluvium is likely not a significant source for groundwater into the system.

The Mesilla Bolson is generally comprised of sediments from the Santa Fe Group, including sequences of clay and silt interfingered with fluvial facies. The depth to the water producing facies varies significantly from 280 feet in the northern reaches to over 2,000 feet towards the center of the Bolson. Conductivity, depending on the zone encountered, ranges from 2 to 100 ft/day and transmissivity ranges from 2,600 to over 6,000 feet^2/day. Quality is generally considered very good (<300 total dissolved solids), although some degradation of the deeper portions of the aquifer is occurring, possibly due to groundwater pumping activities, and elevated levels of some naturally occurring contaminants such as radionuclides and arsenic are known to exist. The total volume of water within the main body of the Mesilla Bolson is estimated to be approximately 66 million acre-feet. However, only 13-14 million acre-feet may be available for potable use.

To meet anticipated customer base growth Doña Ana MDWCA will likely be required to drill and install additional water production wells. With the continued groundwater exploitation, water quality issues such as excessive TDS, uranium, radium, nitrate and/or arsenic are likely to be encountered. The extent of withdrawal from the aquifer is likely to influence the degree of water quality degradation. O&M costs will likely increase as the groundwater table continues or accelerates its decline, now averaging more than one foot per year in the shallow aquifer within the City of Las Cruces.

5.2.3. Return Flow Planning/Reuse Availability

Doña Ana

At the present time, wastewater from a portion of the unincorporated village of Doña Ana is collected via a gravity wastewater system and conveyed via a pressure transmission line to the northern boundary of the City of Las Cruces. From there the wastewater travels via gravity to the City of Las Cruces' Jacob Hands wastewater treatment plant. Doña Ana MDWCA currently has an agreement with the City of Las Cruces to receive return flow credits associated with wastewater generated from within the Association's service area. Presently, there are approximately 900 homes with wastewater connections to the City of Las Cruces system. Current return flow credits are 0.2 acre-feet/household, although the amount of any realized credit will likely to be subject to offsets to be determined by NMOSE. At this time, the method to provide Doña Ana MDWCA return flow credits has not been formalized. A copy of this agreement has been included as Appendix E. Further expansion of wastewater collection will be treated in a like manner until such times as economic or political conditions exist that would support a separate treatment plant or reclamation facility.

Fairview

Wastewater in the Fairview service area is treated in on-site systems (septic tanks) and is not collected by Doña Ana MDWCA. Collection of wastewater in this area is not anticipated in the near future.

Picacho Hills

Wastewater from the Picacho Hills service area is collected via a gravity wastewater system and conveyed to the Picacho Hills wastewater treatment plant owned and operated by Doña Ana MDWCA. The Association transfers treated effluent from the plant to the adjacent Picacho Hills Country Club golf course for irrigation reuse.

Radium Springs

Wastewater in the Radium Springs service area is treated in on-site systems (septic tanks) and is not collected by Doña Ana MDWCA. Collection of wastewater in this area is not anticipated in the near future.

6. PROPOSED PLANNING PERIOD

6.1. Planning Period Generally Used by the Applicant

The planning period used by Doña Ana MDWCA is entirely dependent upon the audience and the report being developed. Some planning periods, such as those for funding requests, are relatively near term and reflect 5-10-year periods. Mid-term planning periods of 20 years are typically used for engineering studies such as facility plans and Preliminary Engineering Reports (PERs).

6.2. Extent of Public input in Applicant's planning process

The draft 40-Year Water Plan was presented at the August 3, 2017 Board of Directors regular meeting to gather input from the Doña Ana MDWCA Board and staff members. The presentation focused on the results of consumption calculations, population projections and general approach to addressing concepts of the 40-Year Water Plan.

6.2.1. Adoption of 40-Year Water Plan

The Board of Doña Ana MDWCA approved a resolution adopting this 40-Year Water Plan document at their meeting on November 2, 2017. A copy of this resolution is included in Appendix F.

6.2.2. Discussion of Regional Water Planning

Several documents are available discussing regional water planning efforts. An updated New Mexico Lower Rio Grande Regional Water Plan was completed in March 2017 by NMOSE and is available for review.

Vision 2040, a regional planning project document developed as a cooperative effort of Doña Ana County, the City of Las Cruces and other local public partners, has characterized the unincorporated village of Doña Ana as a "Rural Center with Growth", and the balance of the Doña Ana service area to the west, east and north as an "Agricultural Corridor." The area to the south of the existing Doña Ana service area is characterized as "Existing Urban" with growth, as it encompasses the City of Las Cruces. The Fairview and Radium Springs service areas are characterized as "Rural Subdivisions," while the Picacho Hills service area is characterized as "Suburban."

According to Vision 2040, a Rural Center is described as follows:

> *"Rural Growth Areas are not expected to grow as quickly or become as dense as others. They include the historic communities of Radium Springs, the Town of Mesilla, and Doña Ana Village. Mixed-use centers may extend only for a couple of blocks. Mixed-use buildings should have one floor of commercial and one floor of residential space. Rural residential developments with an average density of one unit per acre surround these areas. The Growth Area itself should be less dense than all the other Growth Areas to protect agriculture. The future populations in these Growth Areas range between 5,000 and 10,000 each."*

This definition is somewhat broad and does not fully characterize prior growth patterns around the Village of Doña Ana, nor the Census information used in preparing the growth projection of the Vision 2040 plan.

Vision 2040 describes "Rural Subdivisions" as follows:

> *These communities are very low density and mostly single family housing with the occasional mobile home park. They may have some neighborhood institutions like churches or schools, but there is no center to the community, like the plazas of the historic town sites. Some commercial uses exist, usually in the form of small strip centers or standalone stores or gas stations. Frequently these communities developed on the more arid mesa, and except for Radium Springs, and some of the historic Villages with subdivision extensions, few were located adjacent to farmland.*

The "Subdivision" place type is described in Vision 2040 as follows:

> *The quintessential pattern of growth driven by local and federal policies from the 1940's through today. Suburban Place Types include housing in single type and intensity. Businesses and commercial activity assembles into strip shopping centers, requiring cars for access.*

6.3. Statement of Planning Period Used in this Application

For the purposes of this document, the planning period will be 40 years.

6.4. Basis for Holding Unused Water Rights

Doña Ana MDWCA provides a safe and reliable supply of potable water to over five thousand households. Many of these consumers represent low income and/or minority groups, and the overall service area includes several colonias areas representing historically disadvantaged residents with inadequate community infrastructure. Retention of the existing water rights would allow available funds to be focused on improved infrastructure rather than future water rights acquisitions.

In addition, Doña Ana MDWCA customers have demonstrated a consistently low GPCD usage rate for several consecutive years. Efforts to maintain and possibly further this conservative use are best managed through an established water system such as Doña Ana MDWCA.

6.5. Basis for Planning Period

Planning periods need to provide sufficient forward consideration to allow for the unforeseen in a community's future. Planning windows of less than 20 years can significantly over or under predict growth and consumption trends in our dynamic socio-economic environment. Longer planning periods allow for the absorption of short cyclic growth trends, which viewed in a limited time window, might result in over reaction, and inadvertently, speculation-based decisions. With respect to these concepts, Doña Ana MDWCA is qualified under Section 72-1-9, New Mexico Statutes Annotated 1976, to plan water rights acquisitions and to hold water rights and "preservation of a … water supply" for 40 years.

Further, reviewing water plans for neighboring communities indicates that most use a 40-year period to look forward. This multi-generational time span provides sufficient time to assess needs, avoid reactionary decisions and provide adequate time for acquisition of additional water supplies, if needed. Longer periods require broad trend estimations, hence becoming an unreliable forecaster of actual demands.

6.6. Ability to Obtain Other Sources of Water in the Future

As discussed in previous portions of this 40-Year Water Plan, Doña Ana MDWCA is pursuing other water rights and physical sources of water in a concerted and planned manner. This effort begins with a fund established explicitly for the purchase of additional water rights as new connections are established, and continues with requirements for developers to obtain and provide adequate water rights for their planned units. Doña Ana MDWCA possesses both the financial management skill and technical abilities to develop and manage both facilities, which together represent additional future water resources for the region.

7. APPLICATION IS NON-SPECULATIVE

7.1. Ability to Physically Store, Divert or Otherwise put Water to Beneficial Use

As noted elsewhere in this document, Doña Ana MDWCA currently has the physical capability of diverting its entire existing groundwater rights from its current supply wells. This entire volume can be stored and distributed using the existing system infrastructure, although certain elements of the system should be improved to increase efficiency, which is why the Association is pursuing a variety of upgrades.

The majority of Doña Ana MDWCA's physical water resources are groundwater based, supplemented with surface water rights. This helps alleviate the costly expense of providing physical storage facilities as the groundwater is in a natural reservoir.

7.2. Specific Project or Plan for Beneficial Use

Doña Ana MDWCA has experienced a relative stable growth curve for the past several years. The current service area is well established and includes many large tracts of land used for agriculture. Several of these are no longer being regularly cultivated and some have already been subdivided for eventual residential development. Existing subdivisions that have not yet been fully developed within the Association's service area include (but are not limited to) Grey Fox, Rancho del Gallo, Legends West, Zia Shadows, Paseo de Oro and Picacho Mountain Development. In total, these existing subdivisions alone represent in excess of 2,500 undeveloped residential lots, which is equivalent to over five years of projected system growth or 30% of the currently remaining water right owned by Doña Ana MDWCA (but not yet put to beneficial use).

Expanding upon the concept of in-filled growth utilizing existing water rights, the 2000 Census data suggested a service area population of approximately 14,000 people compared to the connected population of 8,300 (about 60% of available population served). Considering a similar ratio for year 2015 in the Doña Ana and Radium Springs services areas (all residents in Fairview and Picacho Hills are connected) suggests the population could grow by approximately 3,960 from existing homes. This is a population nearly sufficient to utilize the 80% of Doña Ana MDWCA's remaining groundwater rights.

Lastly, while the present national economic situation would suggest slow residential growth broadly within the country, the fact remains that the population is increasing, particularly in the border regions. The Doña Ana MDWCA service area straddles the northern and western boundaries of the City of Las Cruces and the notably more rural northern Mesilla Valley. This area provides opportunities for industrial and agricultural job growth as well as low income housing, making it an ideal location for regionally significant growth. Future regional growth is likely to be associated with border logistics and manufacturing, aerospace and agriculture. In addition, the Spaceport America facility, when operational, will require significant personnel infrastructure and Doña Ana (and Fort Selden) are ideally located to capitalize on this growth.

7.3. Specific Requirements for Non-Municipal Entities

7.3.1. Legal Interest in Lands to be Served

Doña Ana MDWCA has a service area in excess of 90 square miles shown on Figure 1. Previous disputes over this service area resulted in the service area being contested via lawsuit with the City of Las Cruces and the neighboring Moongate water system. All service area-related lawsuits have now been settled resulting in a well-defined service area.

In addition, by virtue of an existing loan through the United States Department of Agriculture (USDA), Doña Ana MDWCA is provided protection of their service area under Title 7, United States Code, §1926(b). This code is a United States statute which grants federally indebted rural water districts/associations the "absolute" right to be the exclusive seller of water within their "service area". To qualify for this federal protection, the water district must satisfy two (2) primary requirements: (1) show indebtedness to the federal government or to some entity which purchased the district's federal loan, (2) demonstrate that water service has been "made available" by the district.

7.3.2. Actual Customer(s) and Documents of Intent from Customers

As noted above in Section 7.2, several existing subdivisions have already been platted but have not yet been fully developed within the Association's service area. These subdivisions represent more than 2,500 undeveloped residential lots. Although connections have not yet been established for these undeveloped lots, their anticipated usages have successfully been incorporated into the Doña Ana MDWCA diversion, storage and distribution model.

7.4. Legal, Administrative and Licensing for Projects

The variety of projects proposed by Doña Ana MDWCA is broad reaching and includes new and improved distribution, new and improved storage, new supply wells, and development of ~~a~~ wastewater collection system. Because of the broad nature of these projects, a correspondingly wide variety of permits will be necessary.

The first step for many of these projects is the development of a PER; PERs have already been completed for virtually all the aforementioned projects. All projects that utilize federal funding then also require compliance with the National Environmental Policy Act (NEPA). NEPA documentation, including habitat surveys, cultural resources surveys and public participation has been documented and submitted to NMED for review and generation of a Finding of No Significant Impact (FONSI).

For projects that involve right-of-way from Doña Ana County, the New Mexico Department of Transportation (NMDOT) or the City of Las Cruces additional permits also must be obtained. With regard to right-of-way owned by EBID, Doña Ana MDWCA is currently in the early stages of negotiation to simplify/expedite permitting. For projects currently in construction, these parties have been contacted and the appropriate permits have been issued. For projects involving private property not owned by Doña Ana MDWCA, easements have been and will continue to be obtained.

Doña Ana MDWCA consistently uses the support services of qualified and/or licensed professionals for engineering, environmental and surveying services. In addition, Doña Ana MDWCA consults with legal counsel to proactively evaluate the appropriateness of actions and the need for permits. Finally, Doña Ana MDWCA employs licensed water and wastewater system operators consistent with the level of treatment and distribution systems being planned at this time.

7.5. Financial Capability for Services

Doña Ana MDWCA has demonstrated abilities to obtain and manage funding for water and wastewater infrastructure projects, having received grants and loans from a variety of state and federal sources over the past decade. Sources of external funding utilized by Doña Ana MDWCA include USDA Rural Development, NMED, New Mexico Finance Authority (NMFA), New Mexico Water Trust Board (WTB), New Mexico Governor's Colonias Funding, Border Environment Cooperation Commission (BECC) grants and United States Environmental Protection Agency (EPA) State and Tribal Assistance Grants (STAG).

As an established entity for over forty years, Doña Ana MDWCA also maintains adequate reserve funds for equipment purchases necessary for regular system operation. These funds can be and have been accessed for routine issues such as pump replacement and repairs to pipelines, and for specific improvement projects.

Finally, Doña Ana MDWCA has established a public/private partnership program that requires new developers to bear the financial burden of system expanding improvements. This innovative approach enables Doña Ana MDWCA to work with developers to not only provide the minimum allowable infrastructure to support the new customers, but also allows for build-out of system components specified in the Association's long-term plans to be cost recovered by developers. In this manner, Doña Ana MDWCA has been able to install larger diameter transmission lines and wastewater collection systems that will meet future system needs rather than installing minimum-sized infrastructure with short-term obsolescence.

7.5.1. Anticipated Financial Needs Timeline

As noted earlier, the Doña Ana MDWCA system is presently capable of managing all current groundwater rights owned (or currently in negotiation); hence, there is no immediate need for improvements to exercise the groundwater rights. However, Doña Ana MDWCA is currently in various stages of development and/or implementation of several significant system improvements that will enhance management of these rights for their consumers. A general summary of several of these projects is provided below:

Project	Financial Need	Period of Need
Southeast Wastewater Collection System	*$14,800,000*	*2018-2023*
Picacho Hills Arroyo Sewerline Improvements	*$350,000*	*2019*
Forcemain & Lift Station Improvements	*$920,000*	*2017*
Westwind Water Distribution System Improvements	*$850,000*	*2019*
South Doña Ana Road Water System Improvements	*$950,000*	*2019*
Barela Loop Water System Improvements	*$829,000*	*2019*
Riverwalk Water System Improvements	*$525,000*	*2019*

7.5.2. Methods of Finance for Projects throughout Timelines

Of those projects listed above, many already have funding associated with them. In some cases, this funding is sufficient while in others it will need to be augmented by additional sources. A listing of projects respective of current or likely funding sources is provided below:

Project	Anticipated Source(s) of Funding
Fairview Water System Improvements – Phase II	*Colonias Infrastructure Fund*
Radium Springs Water System Improvements	*Colonias Infrastructure Fund, USDA*
Southeast Wastewater Collection System	*Colonias Infrastructure Fund, USDA*
District 5 Wastewater Treatment Plant Improvements	*NMED Rural Infrastructure Program*
Via Norte Waterline Improvements	*NMED Rural Infrastructure Program*
Picacho Hills Arroyo Sewerline Improvements	*NMED Rural Infrastructure Program, Colonias Infrastructure Fund*
Forcemain & Lift Station Improvements	*NMED Rural Infrastructure Program, Colonias Infrastructure Fund*
Westwind Water Distribution System Improvements	*NMED Rural Infrastructure Program, Colonias Infrastructure Fund*
South Doña Ana Road Water System Improvements	*NMED Rural Infrastructure Program, Colonias Infrastructure Fund*
Barela Loop Water System Improvements	*NMED Rural Infrastructure Program, Colonias Infrastructure Fund*
Riverwalk Water System Improvements	*NMED Rural Infrastructure Program, Colonias Infrastructure Fund*

7.6. Planning, Design and Infrastructure for Proposed Projects

With specific regard to the water needs of the Association, Doña Ana MDWCA already has the physical capability of diverting, storing and distributing all future water rights owned or in negotiation within its existing system for the duration of the planning period.

However, as noted earlier in this document, PERs have been developed that identify many water and wastewater initiatives to be undertaken by Doña Ana MDWCA during a portion of the next 40 years. These projects focus on improved capabilities, source and distribution redundancy, conservation and service. Two of the largest of these projects are described in further detail below:

- The Southeast Collection System design is complete and a funding application is pending with USDA. Funding for the first phase of the collection system was awarded from the Colonias Infrastructure Fund. This project provides the vacuum and gravity sewer collection system to the first portion of the expansion of the Doña Ana service area outside of the village.
- The Forcemain Project design is complete, NMED approval was granted and the project is presently in construction . This project provides the transmission main backbone for future sewer collection systems bringing future Doña Ana Village sewer connections to the City of Las Cruces' collection and treatment system.

8. APPLICATION IMPLEMENTATION

8.1. Proposed Timeframe for Demonstrating Beneficial Use

Doña Ana MDWCA has proactively managed system construction to correspond and even anticipate the growth requirements of the system. As noted, the current diversion, storage and distribution system capacity is capable of fully handling the water rights currently held (and in negotiation). Projections of population and use presented in Sections 3 and 4 of this Plan suggest that all groundwater rights will be utilized circa 2039. Given the exceptions of those conditions described below in Section 8.2, this is the timeframe proposed for demonstrating beneficial use.

8.2. Reasonable Diligence

8.2.1. Consistent Effort to Complete Appropriation in a Timely Manner

Doña Ana MDWCA is actively engaged in project development and funding consistent with the practices outlined in the 40-Year Water Plan. The current level of activity and development within the system is the demonstrated result of progress towards the goal of effective beneficial use of existing (and future) water rights. Doña Ana MDWCA will continue towards higher levels of achievement as budget allows, as funding is acquired and as prudent with respect to conservation of water resources.

8.2.2. Matters Out of the Control of the Applicant

While all present indications are for continued progress towards full utilization of existing water rights in the immediately foreseeable future, several factors may arise that impact Doña Ana MDWCA's ability to proceed in strict accordance with the anticipated timelines. The most significant of these are economics and funding availability and short-term climate variation (excessive heat and drought).

As noted earlier in the Plan, sufficient infrastructure presently exists to allow full utilization of the existing water rights. However, extensions of the system to reach customers within the service area (but outside of the reach of existing distribution) may prove economically non-viable without alternate funding sources. Similarly, since Doña Ana MDWCA (at this time) lacks the ability to enforce connection to the existing system; potential water users even within the existing distribution system may choose not to connect.

8.2.3. Updates to NMOSE

Doña Ana MDWCA will provide updates to NMOSE as may be requested from time to time to demonstrate "reasonable diligence" toward the goals established in this 40-Year Water Plan.

8.3. Identification of completion of project milestones

Because the Doña Ana MDWCA system is capable of diversion, storage and distribution of all existing groundwater rights, no project milestones are required. However, several projects are in progress to better manage water with respect to anticipated consumer needs. Many of these projects, such as the District 5 Water System Improvements Project, Phases I and II of the Fairview Water System

Improvements Project and the Radium Springs Water System Improvements Project are currently either in construction or likely to be in construction within the next 6-18 months.

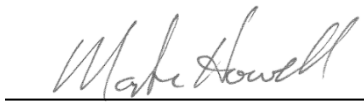
9. CONCLUSIONS

The Doña Ana MDWCA system shows acceptable losses (5.1% in 2016) and a consistently low GPCD usage rate. At the same time, system growth by virtue of population increases and connection of existing residences within the service area are driving an overall increase in water usage. The combination of these factors suggests that all groundwater rights presently owned by Doña Ana MDWCA will be utilized by 2039. In response, the Association has devoted a substantial portion of each new connection fee to the purchase of additional water rights.

The current Doña Ana MDWCA system can adequately accommodate full utilization of its existing groundwater rights. Additional infrastructure currently being planned, designed and/or constructed will further enhance the utilization of these groundwater rights primarily through improved storage and distribution.

9.1 Certification

The undersigned acknowledges personal familiarity with the information contained in this report.



Marty Howell, P.E.
Senior Engineer

10. REFERENCES

Peter J. Smith & Company, Inc. 2010, Comprehensive Plan for the City of Las Cruces.

Peter J. Smith & Company, Inc. 2010, Comprehensive Plan for Doña Ana County.

Peter J. Smith & Company, Inc. 2010, Vision 2040: Regional Planning Project for Doña Ana County and the City of Las Cruces.

Terracon, John Shomaker & Associates, Inc., Livingston Associates, LLC, Inc., Zia Engineering and Environmental, Inc. and Sites Southwest, 2004, New Mexico Lower Rio Grande Regional Water Plan: consultants report for the Lower Rio Grande Water Users Organization.

Texas Water Development Board and New Mexico Water Resources Research Institute, 1997, Transboundary Aquifers of the El Paso/Ciudad Juarez/Las Cruces Region.

United States Department of Commerce, 1980, 1990, 2000 Census Data.

Appendix A
Tables

Table A-1- Doña Ana MDWCA Water Diversion, Sales and Gain/(Loss)

Total Service Area		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Diversion	(gallons)	604,952,543	505,362,070	503,321,100	475,384,590	520,314,190	497,741,960	448,745,910	455,749,970	491,763,222	489,537,299	556,103,938	389,221,306	382,456,929	595,409,910	629,810,230	605,378,415
	(ac-ft)	*1,857*	*1,551*	*1,545*	*1,459*	*1,597*	*1,528*	*1,377*	*1,399*	*1,509*	*1,502*	*1,707*	*1,194*	*1,174*	*1,827*	1,933	1,858
Sales	(gallons)	521,213,224	561,536,832	626,620,562	490,238,797	470,744,236	472,427,603	451,587,660	453,883,144	473,453,531	462,807,375	578,566,581	445,806,178	438,348,926	607,223,736	548,247,744	574,615,025
	(ac-ft)	*1,600*	*1,723*	*1,923*	*1,504*	*1,445*	*1,450*	*1,386*	*1,393*	*1,453*	*1,420*	*1,776*	*1,368*	*1,345*	*1,863*	*1,683*	*1,763*
"Gain"/(Loss)	(gallons)	-83,739,319	56,174,762	123,299,462	14,854,207	-49,569,954	-25,314,357	2,841,750	-1,866,826	-18,309,691	-26,729,924	22,462,643	56,584,872	55,891,997	11,813,826	-81,562,486	-30,763,390
Unaccounted Water	(%)	-13.8%	n/a	n/a	n/a	-9.5%	-5.1%	n/a	-0.4%	-3.7%	-5.5%	n/a	n/a	n/a	n/a	-13.0%	-5.1%

Dona Aña Service Area		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Diversion	(gallons)	604,952,543	505,362,070	503,321,100	475,384,590	520,314,190	497,741,960	448,745,910	455,749,970	491,763,222	489,537,299	556,103,938	389,221,306	382,456,929	425,154,373	471,860,747	435,665,036
	(ac-ft)	*1,857*	*1,551*	*1,545*	*1,459*	*1,597*	*1,528*	*1,377*	*1,399*	*1,509*	*1,502*	*1,707*	*1,194*	*1,174*	*1,305*	*1,448*	*1,337*
Sales	(gallons)	521,213,224	561,536,832	626,620,562	490,238,797	470,744,236	472,427,603	451,587,660	453,883,144	473,453,531	462,807,375	578,566,581	445,806,178	438,348,926	409,758,192	397,435,322	357,408,453
	(ac-ft)	*1,600*	*1,723*	*1,923*	*1,504*	*1,445*	*1,450*	*1,386*	*1,393*	*1,453*	*1,420*	*1,776*	*1,368*	*1,345*	*1,258*	*1,220*	*1,097*
"Gain"/(Loss)	(gallons)	(83,739,319)	56,174,762	123,299,462	14,854,207	(49,569,954)	(25,314,357)	2,841,750	(1,866,826)	(18,309,691)	(26,729,924)	22,462,643	56,584,872	55,891,997	(15,396,181)	(74,425,425)	(78,256,583)
Unaccounted Water	(%)	-13.8%	n/a	n/a	n/a	-9.5%	-5.1%	n/a	-0.4%	-3.7%	-5.5%	n/a	n/a	n/a	-3.6%	-15.8%	-18.0%

Fairview Service Area		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Diversion	(gallons)														6,281,932	4,948,241	3,457,200
	(ac-ft)														*19*	*15*	*11*
Sales	(gallons)														4,393,266	4,077,278	4,077,278
	(ac-ft)														*13*	*13*	*13*
"Gain"/(Loss)	(gallons)														(1,888,666)	(870,963)	620,078
Unaccounted Water	(%)														-30.1%	-17.6%	n/a

Picacho Service Area		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Diversion	(gallons)														117,965,052	111,955,372	123,432,856
	(ac-ft)														*362*	*344*	*379*
Sales	(gallons)														159,158,706	114,829,582	114,829,582
	(ac-ft)														*488*	*352*	*352*
"Gain"/(Loss)	(gallons)														41,193,654	2,874,210	-8,603,274
Unaccounted Water	(%)														n/a	n/a	-7.0%

Radium Springs Service Area		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Diversion	(gallons)														46,008,553	41,045,870	42,823,323
	(ac-ft)														*141*	*126*	*131*
Sales	(gallons)														33,913,572	31,905,562	31,905,562
	(ac-ft)														*104*	*98*	*98*
"Gain"/(Loss)	(gallons)														(12,094,981)	(9,140,308)	(10,917,761)
Unaccounted Water	(%)														-26.3%	-22.3%	-25.5%

Notes:

Diversion data obtained from NMOSE information listing

Sales data obtained from Dona Aña MDWCA

Dona Aña MDWCA purchased supplemental water in 2007 and a small period in 2008 during construction of a new booster system

Diversion data prior to 2005 cannot be corrobrated by Doña Ana MDWCA records

Table A-2- Doña Ana MDWCA GPCD and Connections

		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Diversion; Annual	(gallons)	604,952,543	505,362,070	503,321,100	475,384,590	520,314,190	497,741,960	448,745,910	455,749,970	491,763,222	489,537,299	556,103,938	389,221,306	382,456,929	595,409,910	629,810,230	605,378,415
Diversion; Daily	(gallons)	1,657,404	1,384,554	1,378,962	1,302,424	1,425,518	1,363,677	1,229,441	1,248,630	1,347,296	1,341,198	1,523,572	1,066,360	1,047,827	1,631,260	1,725,507	1,658,571
Sales; Annual	(gallons)	521,213,224	561,536,832	626,620,562	490,238,797	470,744,236	472,427,603	451,587,660	453,883,144	473,453,531	462,807,375	578,566,581	445,806,178	438,348,926	607,223,736	548,247,744	574,615,025
Sales; Daily	(gallons)	1,427,981	1,538,457	1,716,769	1,343,120	1,289,710	1,294,322	1,237,226	1,243,515	1,297,133	1,267,965	1,585,114	1,221,387	1,200,956	1,663,627	1,502,049	1,574,288
Connections		3,793	3,516	3,583	3,783	3,864	3,982	4,490	4,281	4,367	4,859	4,848	4,959	5,059	5,158	5,227	5,364
Persons/Household	(persons)	2.78													2.78		
GPCD; diversion, by year	(gallons)	157	142	138	124	133	123	98	105	111	99	113	77	75	114	119	111
GPCD; diversion, average	(gallons)	115															
GPCD; sales, by year	(gallons)	135	157	172	128	120	117	99	104	107	94	118	89	85	116	103	106
GPCD; sales, average	(gallons)	117															

Note:

GPCD= gallons per capita day

GPCD= [sales; daily] / ([connections] * (1 - [occupancy rate]) * [persons/household])

n/a used when data is either unavailable or otherwise unreliable

Table A-3 - Combined Doña Ana MDWCA Population Projection

Year	Doña Ana Service Area Historic Population		Growth Model					
			Linear / Older Data[1]		Linear / Recent Data[2]		Compounding / County Growth[3,4]	
	Connections	Population	Connections	Population	Connections	Population	Connections	Population
2001	3,793	10,555						
2002	3,834	10,661						
2003	3,911	10,872						
2004	4,121	11,461						
2005	4,213	11,712						
2006	4,343	12,073						
2007	4,512	12,545						
2008	4,655	12,947						
2009	4,752	13,211						
2010	4,848	13,477						
2011	4,959	13,776						
2012	5,059	14,049						
2013	5,158	14,320						
2014	5,227	14,514						
2015	5,364	14,911						
2016	5,500	15,302	5,500	15,302	5,500	15,302	5,500	15,302
2021			6,088	16,924	5,855	16,276	6,019	16,733
2026			6,672	18,547	6,205	17,250	6,587	18,312
2031			7,255	20,170	6,555	18,224	7,209	20,040
2036			7,839	21,792	6,906	19,197	7,889	21,932
2041			8,423	23,415	7,256	20,171	8,634	24,001
2046			9,006	25,038	7,606	21,145	9,448	26,266
2051			9,590	26,661	7,956	22,119	10,340	28,745
2056			10,174	28,283	8,307	23,093	11,316	31,458

Notes:

1. y = (324.54 * x) - 638,971 (x=plan year; y=corresponding population)
2. y = (194.76 * x) - 377,334 (x=plan year; y=corresponding population)
3. y = $(y_1*(1+0.0182)^{(x_1-x_2)}$ (x_1=plan year; x_2=reference year; y_1=reference population; y=corresponding population)
4. Compounding Growth based on Doña Ana County population selected as representative projection.

Table A-4 - Doña Ana MDWCA Water Use Projection

Year	Historic					Projected		
	Population	Use	MG per Annum	Ac-Ft per Annum	GPCD	Population	MG per Annum	Ac-Ft per Annum
2001	*10,555*	*521,213,224*	*521*	*1,600*	157			
2002	*10,661*	*561,536,832*	*562*	*1,723*	157			
2003	*10,872*	*626,620,562*	*627*	*1,923*	172			
2004	*11,461*	*490,238,797*	*490*	*1,504*	128			
2005	*11,712*	*470,744,236*	*471*	*1,445*	120			
2006	*12,073*	*472,427,603*	*472*	*1,450*	117			
2007	*12,545*	*451,587,660*	*452*	*1,386*	99			
2008	*12,947*	*453,883,144*	*454*	*1,393*	104			
2009	*13,211*	*473,453,531*	*473*	*1,453*	107			
2010	*13,477*	*462,807,375*	*463*	*1,420*	94			
2011	*13,776*	*578,566,581*	*579*	*1,776*	118			
2012	*14,049*	*445,806,178*	*446*	*1,368*	89			
2013	*14,320*	*438,348,926*	*438*	*1,345*	85			
2014	*14,514*	*607,223,736*	*607*	*1,864*	116			
2015	*14,911*	*548,247,744*	*548*	*1,683*	103			
2016	*15,302*	*574,615,025*	*575*	*1,763*	106	15,302	575	1,763
2021					106	16,733	645	1,979
2026					106	18,312	706	2,166
2031					106	20,040	772	2,370
2036					106	21,932	845	2,594
2041					106	24,001	925	2,838
2046					106	26,266	1,012	3,106
2051					106	28,745	1,108	3,399
2056					106	31,458	1,212	3,720

Notes:
MG= million gallons
Ac-Ft= acre-feet

Souder, Miller and Associates
www.soudermiller.com

Table A-5 - Current Groundwater Rights

Original Permit	Current Permit	Transaction	NMOSE Priority Date	Other Priority Date(s)	Vested	Inchoate	Total	Owner (*Prior Owner*)
LRG 00667	LRG 1905	156909	1948	--	48.25	0	48.25	(*Antoinette Greenwood Hurley*) (1)
LRG 04921-A	LRG 1905	163022	1951	1967	45	0	45	(*Kishor and Bharti Lalloo*) (1)
		391229	--	--	0	0	0	(*Gerald A Strauss*) (1)
LRG 04921-C	LRG 1905	167121	1951	1967	40	0	40	(*Sidco Corporation*) (1,2)
LRG 04593	LRG 1905	156887	1953	--	38.69	0	38.69	(*Frank & Corina Luchini*) (1)
LRG 8513-B	LRG 1905	156963	1955	--	10.63	0	10.63	(*Gerald P. Backen*) (1)
LRG 06014-A	LRG 1905	156889	1965	--	8.87	0	8.87	(*Juan Jaquez*) (1)
LRG 8513-A	LRG 1905	156915	1955	1930(3)	4.83	0	4.83	(*Mariano and Heidi Martinez*) (1)
LRG 4245	LRG 1905	156965	1941	--	2.18	0	2.18	(*John D. & June McKibben*) (1)
LRG 08018	LRG 1905	156885	1976	--	3.5	0	3.5	(*Margarita Medrano*) (1)
LRG 1905	LRG 1905	n/a	1960	--	1822.7	693.58	2516.28	Doña Ana MDWCA; revised claim
LRG 00023	LRG 00023	516945 501548	1954	--	10.426	10.426	20.852	(*Hust*) (4)
LRG 80	LRG 80	526779 526788	1948		198.43	3349.95	3548.38	*(Fort Selden Water Company)*
LRG 4250-B	LRG 4250-B	540791	1960		501.18	1758.82	2260	*(Picacho Hills Utility Company)*
LRG 15880-1	LRG 15880-1	558149	1974		43.15	0	43.15	*(Fairview Estates Water Company)*
				Subtotals	**742.76**	**5108.77**	**5851.53**	acre-feet
				Total	**2777.836**	**5812.776**	**8590.612**	acre-feet

Notes:

All Information obtained from NMOSE files unless otherwise indicated

(1) NMOSE website indicates diversion, not consumptive right (contrary to other NMOSE files)

(2) Priorty denoted differently on NMOSE website than in other NMOSE documentation; oldest priority date shown

(3) Priority date provided by Doña Ana MDWCA

(4) Volume of water right provided by Doña Ana MDWCA

Table A-6 - Surface Water Rights

Subfile	Purchase Date	Leased	Purchased	Prior Owner
n/a	2004	11.25	0	Cosimati
LRN-28-004-0070-A	2006	29.568	0	Hettinga/Grey Fox
n/a	2009	27.42	39.18	Katerina
n/a	2008	8.16	0	MDM-One/Pruett
n/a	2009	7.46	0	San Ban
n/a	2009	22.95	0	Picacho Valley Group
n/a	2009	0	9.99	Hust
	Subtotals	**106.808**	**49.17**	irrigable acres
	Total	**155.978**		irrigable acres

Notes:
Information obtained from Doña Ana MDWCA

Appendix B
Well Master Meter Readings

Table B-1
Doña Ana Mutual Domestic Water Consumer's Association
Annual Well Production Summary (gallons)[1]

	2001	2002	2003	2004	2005	2006	2007	2008
Doña Ana Wells								
Well #2A (LRG-1905S)	20,820,043	57,619,170	44,234,900	53,624,190	54,597,390	56,875,460	54,879,510	42,562,570
Well #3 (LRG-1905S2)	119,325,600	17,511,400	17,672,600	22,619,800	-	-	-	-
Well #5 (LRG-1905S4)	174,867,900	106,528,500	68,598,600	82,637,600	85,354,800	100,985,500	73,971,400	84,901,400
Well #6 (LRG-1905S5)	95,601,000	109,065,000	79,359,000	187,924,000	161,732,000	97,067,000	28,235,000	46,373,000
Well #7 (LRG-1905)	194,338,000	214,638,000	293,456,000	128,579,000	218,630,000	224,212,000	219,687,000	185,738,000
Well #8 (LRG-1905S3)	-	-	-	-	-	18,602,000	71,973,000	96,175,000
Radium Springs Wells								
Well #9 (LRG-80-S2)	23,613,500	32,316,900	29,170,900	32,840,500	31,205,500	25,322,200	16,806,200	16,009,400
Well #10 (LRG-80-S4)	26,467,700	18,444,700	22,957,900	17,632,000	23,062,400	27,828,200	24,994,700	16,233,400
Well #11 (LRG-80-POD6)	-	-	-	-	-	-	13,657,000	27,128,000
Picacho Hills Wells								
Well #7 (LRG-04250S)	39,666,913	1,287,500	-	21,700	-	44,586,000	39,776,208	57,882,617
Well #16A (LRG-04250S2)	5,800	7,429,300	69,651,200	105,155,600	81,577,600	73,319,400	79,196,450	69,251,276
Fairview Wells[2]								
Southview (LRG-15880-1)								
Appleview (LRG-15880-2)								
Total	694,706,456	564,840,470	625,101,100	631,034,390	656,159,690	668,797,760	623,176,468	642,254,663

	2009	2010	2011	2012	2013	2014	2015	2016
Doña Ana Wells								
Well #2A (LRG-1905S)	50,894,622	31,876,999	41,670,688	24,687,563	62,683,660	125,091,340	73,409,580	125,327,860
Well #3 (LRG-1905S2)	-	-	-	-	-	-	-	-
Well #5 (LRG-1905S4)	86,790,600	32,083,300	150,497,394	117,178,127	126,250,693	153,913,039	148,156,425	44,834,176
Well #6 (LRG-1905S5)	113,011,000	106,290,000	169,169,856	89,651,986	88,295,070	37,638,235	13,542,697	54,404,000
Well #7 (LRG-1905)	135,345,000	251,269,000	139,636,000	52,845,630	82,008,506	83,847,759	221,505,045	156,784,000
Well #8 (LRG-1905S3)	105,722,000	68,018,000	55,130,000	104,858,000	23,219,000	24,664,000	15,247,000	54,315,000
Radium Springs Wells								
Well #9 (LRG-80-S2)	23,131,200	19,640,000	23,687,700	15,520,600	8,962,653	36,521,507	24,409,780	16,027,079
Well #10 (LRG-80-S4)	-	36,075,000	12,708	32,316,599	32,713,883	9,327,046	16,636,090	26,796,244
Well #11 (LRG-80-POD6)	22,224,000	14,863,000	13,163,000	7,579,000	7,787,000	160,000	-	-
Picacho Hills Wells								
Well #7 (LRG-04250S)	124,113,119	66,154,156	60,439,226	92,973,040	68,274,988	74,373,536	103,944,204	55,970,072
Well #16A (LRG-04250S2)	2,276,158	32,083,310	86,682,720	43,201,632	58,958,940	43,591,516	8,011,168	67,462,784
Fairview Wells[2]								
Southview (LRG-15880-1)				8,000,000	8,000,000	8,000,001	4,948,241	3,457,200
Appleview (LRG-15880-2)							249,820	-
Total	663,507,699	658,352,765	740,089,293	588,812,177	567,154,393	597,127,979	630,060,050	605,378,415

Notes:
1 - pumping data based on New Mexico Office of the State Engineer well meter records
2 - reliable pumping data for Fairview wells is unavailable prior to 2015. Pumping data for 2012-2014 is estimated

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	LRG 00080 S-2	3	1	1	14	21S	01W	319434	3596100

Driller License:		Driller Company:			
Driller Name:	C. BALLARD				
Drill Start Date:	12/31/1968	Drill Finish Date:	12/31/1968	Plug Date:	
Log File Date:		PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	200 GPM
Casing Size:	12.00	Depth Well:	120 feet	Depth Water:	

Meter Number:	12221	Meter Make:	SIEMENS
Meter Serial Number:	7ME6910	Meter Multiplier:	1.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
06/20/1997	1997	94487	A	mm		0
07/18/1997	1997	58379	R	mm	Meter Rollover	295.808
09/19/1997	1997	58379	A	mm		0
07/21/1998	1998	148111	A	mm		27.538
08/20/1998	1998	148111	A	mm		0
09/22/1998	1998	211484	A	mm		19.448
01/21/1999	1999	299695	A	mm		27.071
02/19/1999	1999	299695	A	mm		0
03/22/1999	1999	299695	A	mm		0
04/23/1999	1999	299695	A	mm		0
05/20/1999	1999	300219	A	mm		0.161
06/21/1999	1999	301132	A	mm		0.280
07/21/1999	1999	303334	A	mm		0.676
08/20/1999	1999	303334	A	mm		0
09/23/1999	1999	303334	A	mm		0
10/21/1999	1999	303334	A	mm		0
11/22/1999	1999	303334	A	mm		0
12/22/1999	1999	303334	A	mm		0
01/21/2000	2000	303334	A	mm		0
02/21/2000	2000	303334	A	mm		0
03/22/2000	2000	303334	A	mm		0
04/25/2000	2000	303334	A	mm		0

05/23/2000	2000	23043	A	mm		0
06/23/2000	2000	67899	A	mm		13.766
07/24/2000	2000	72428	A	mm		1.390
08/21/2000	2000	96170	A	mm		7.286
09/21/2000	2000	124107	A	mm		8.574
10/23/2000	2000	154331	A	mm		9.275
11/20/2000	2000	169674	A	mm		4.709
12/20/2000	2000	189227	A	mm		6.001
01/21/2001	2001	210641	A	mm		6.572
02/21/2001	2001	231187	A	mm		6.305
03/21/2001	2001	248827	A	mm		5.414
04/21/2001	2001	269180	A	mm		6.246
05/21/2001	2001	270807	A	mm		0.499
06/21/2001	2001	307224	A	mm		11.176
07/20/2001	2001	339462	A	mm		9.893
08/21/2001	2001	367173	A	mm		8.504
09/21/2001	2001	390594	A	mm		7.188
10/19/2001	2001	407066	A	mm		5.055
11/20/2001	2001	412502	A	mm		1.668
12/19/2001	2001	425362	A	mm		3.947
01/21/2002	2002	438480	A	mm		4.026
02/21/2002	2002	451665	A	mm		4.046
03/21/2002	2002	470720	A	mm		5.848
04/19/2002	2002	498158	A	mm		8.420
05/21/2002	2002	523012	A	mm		7.627
06/21/2002	2002	524490	A	mm		0.454
07/23/2002	2002	561202	A	mm		11.266
08/21/2002	2002	609730	A	mm		14.893
09/19/2002	2002	661272	A	mm		15.818
10/19/2002	2002	707758	A	mm		14.266
11/20/2002	2002	730842	A	mm		7.084
12/10/2002	2002	748531	A	mm		5.429
01/21/2003	2003	771201	A	mm		6.957
02/20/2003	2003	789927	A	mm		5.747
03/20/2003	2003	813501	A	mm		7.235
04/22/2003	2003	839606	A	mm		8.011
05/21/2003	2003	873438	A	mm		10.383
06/23/2003	2003	908366	A	mm		10.719
07/22/2003	2003	937686	A	mm		8.998
08/21/2003	2003	967978	A	mm		9.296
09/25/2003	2003	1812	R	mm	Meter Rollover	10.383
10/21/2003	2003	13842	A	mm		3.692
11/20/2003	2003	28600	A	mm		4.529
12/19/2003	2003	40240	A	mm		3.572
01/21/2004	2004	53447	A	mm		4.053
02/19/2004	2004	65837	A	mm		3.802
03/19/2004	2004	84440	A	mm		5.709

04/22/2004	2004	101220	A	mm		5.150
05/20/2004	2004	126353	A	mm		7.713
06/10/2004	2004	185325	A	mm		18.098
07/21/2004	2004	235710	A	mm		15.463
08/20/2004	2004	276681	A	mm		12.574
09/24/2004	2004	328771	A	mm		15.986
10/21/2004	2004	346717	A	mm		5.507
11/19/2004	2004	360340	A	mm		4.181
12/17/2004	2004	368645	A	mm		2.549
01/20/2005	2005	384997	A	mm		5.018
02/22/2005	2005	398679	A	mm		4.199
03/10/2005	2005	410841	A	mm		3.732
04/10/2005	2005	430196	A	mm		5.940
05/10/2005	2005	462427	A	mm		9.891
06/10/2005	2005	512228	A	mm		15.283
07/10/2005	2005	561481	A	mm		15.115
08/10/2005	2005	599574	A	mm		11.690
09/21/2005	2005	631248	A	mm		9.720
10/10/2005	2005	650175	A	mm		5.808
11/10/2005	2005	666667	A	mm		5.061
12/21/2005	2005	680700	A	mm		4.307
01/19/2006	2006	692746	A	mm		3.697
02/23/2006	2006	706930	A	mm		4.353
03/20/2006	2006	722905	A	mm		4.903
04/19/2006	2006	746528	A	mm		7.250
05/22/2006	2006	777700	A	mm		9.566
06/19/2006	2006	841610	A	mm		19.613
07/24/2006	2006	854490	A	mm		3.953
08/21/2006	2006	874160	A	mm		6.037
09/19/2006	2006	891740	A	mm		5.395
10/20/2006	2006	907424	A	mm		4.813
11/20/2006	2006	921121	A	mm		4.203
12/21/2006	2006	933922	A	mm		3.928
01/23/2007	2007	946155	A	mm		3.754
02/19/2007	2007	956031	A	mm		3.031
03/10/2007	2007	970883	A	mm		4.558
04/23/2007	2007	996714	A	mm		7.927
05/21/2007	2007	15819	R	mm	Meter Rollover	5.863
06/25/2007	2007	32560	A	mm		5.138
07/25/2007	2007	48816	A	mm		4.989
08/23/2007	2007	58798	A	mm		3.063
09/20/2007	2007	62791	A	mm		1.225
10/24/2007	2007	81920	A	mm		5.870
11/23/2007	2007	88588	A	mm		2.046
12/19/2007	2007	101984	A	mm		4.111
01/23/2008	2008	118466	A	mm		5.058
02/26/2008	2008	133474	A	mm		4.606

03/21/2008	2008	140667	A	mm		2.207
04/21/2008	2008	150919	A	mm		3.146
05/21/2008	2008	164489	A	mm		4.164
07/22/2008	2008	193685	A	mm		8.960
08/22/2008	2008	212843	A	mm		5.879
09/19/2008	2008	222814	A	mm		3.060
10/20/2008	2008	236959	A	mm		4.341
11/19/2008	2008	251970	A	mm		4.607
12/16/2008	2008	262078	A	mm		3.102
01/07/2009	2009	269706	A	mm		2.341
01/12/2010	2009	493390	A	mm		68.646
04/06/2010	2010	535668	A	mm		12.975
07/05/2010	2010	577390	A	mm		12.804
10/04/2010	2010	646352	A	mm		21.164
01/06/2011	2010	689790	A	rs		13.331
04/07/2011	2011	765464	A	rs		23.223
07/05/2011	2011	802393	A	mm		11.333
10/03/2011	2011	877676	A	mm		23.104
01/04/2012	2011	926667	A	mm		15.035
07/17/2012	2012	43579	R	mm	Meter Rollover	35.879
10/08/2012	2012	81873	A	mm		11.752
01/14/2013	2012	81873	A	mm		0
04/04/2013	2013	81873	A	sm		0
05/01/2013	2013	81873	A	sm		0
06/01/2013	2013	81873	A	mm		0
07/08/2013	2013	81873	A	cw		0
10/01/2013	2013	0	A	ad		0
02/13/2014	2013	8962653	A	ad		27.505
03/01/2014	2014	10536474	A	ad		4.830
04/01/2014	2014	13779320	A	ad		9.952
05/01/2014	2014	17026437	A	dc		9.965
06/01/2014	2014	21097021	A	dc		12.492
07/01/2014	2014	25859969	A	dc		14.617
08/01/2014	2014	29958006	A	dc		12.576
09/01/2014	2014	33169946	A	dc		9.857
10/01/2014	2014	35808799	A	dc		8.098
11/01/2014	2014	38459653	A	dc		8.135
12/01/2014	2014	40319352	A	cw		5.707
01/01/2015	2014	40319352	A	ad		0
02/01/2015	2014	44065105	A	ad		11.495
03/01/2015	2014	45484160	A	ad		4.355
04/01/2015	2015	47582514	A	ad		6.440
05/01/2015	2015	49966871	A	dc		7.317
06/01/2015	2015	52493600	A	dc		7.754
07/01/2015	2015	55531297	A	dc		9.322
08/01/2015	2015	58653492	A	ad		9.582
09/01/2015	2015	61162424	A	dc		7.700

10/06/2015	2015	63791486	A	dc	8.068
11/05/2015	2015	65569040	A	bf	5.455
12/03/2015	2015	67077242	A	dc	4.629
02/01/2016	2015	69893940	A	bf	8.644
03/01/2016	2016	71612635	A	bf	5.274
04/01/2016	2016	73687488	A	dc	6.367
05/01/2016	2016	75868145	A	bf	6.692
06/01/2016	2016	79334069	A	dc	10.637
07/01/2016	2016	82737966	A	dc	10.446
08/01/2016	2016	82749085	A	dc	0.034
09/01/2016	2016	83535550	A	dc	2.414
10/01/2016	2016	84029049	A	dc	1.514
11/01/2016	2016	84647166	A	dc	1.897
12/01/2016	2016	85190042	A	dc	1.666
01/01/2017	2016	85921019	A	bf	2.243
02/01/2017	2017	86384614	A	dc	1.423
03/01/2017	2017	86809994	A	bf	1.305
04/01/2017	2017	87681349	A	dc	2.674
05/01/2017	2017	88781348	A	bf	3.376
06/01/2017	2017	90875775	A	bf	6.428
07/01/2017	2017	93991955	A	dc	9.563
08/01/2017	2017	93991955	A	dc	0
09/01/2017	2017	93992574	A	dc	0.002
10/02/2017	2017	96686785	A	cb	8.268

**YTD Meter Amounts:	Year	Amount
	1997	295.808
	1998	46.986
	1999	28.188
	2000	51.001
	2001	72.467
	2002	99.177
	2003	89.522
	2004	100.785
	2005	95.764
	2006	77.711
	2007	51.575
	2008	49.130
	2009	70.987
	2010	60.274
	2011	72.695
	2012	47.631
	2013	27.505
	2014	112.079
	2015	74.911
	2016	49.184
	2017	33.039

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LRG 00080 S-4	3	1	1	14	21S	01W	319432	3595952

Driller License:		Driller Company:			
Driller Name:	C. BALLARD				
Drill Start Date:	08/31/1978	Drill Finish Date:	08/31/1978	Plug Date:	
Log File Date:		PCW Rcv Date:		Source:	Shallow
Pump Type:	TURBIN	Pipe Discharge Size:		Estimated Yield:	400 GPM
Casing Size:	16.00	Depth Well:	90 feet	Depth Water:	20 feet

Meter Number:	10234	Meter Make:	SEIEMENS
Meter Serial Number:	7ME6911	Meter Multiplier:	1.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/20/1997	1997	590428	A	mm		0
02/20/1997	1997	590428	A	mm		0
03/19/1997	1997	593784	A	mm		1.030
04/19/1997	1997	626870	A	mm		10.154
05/21/1997	1997	676264	A	mm		15.158
06/20/1997	1997	724852	A	mm		14.911
07/18/1997	1997	780676	A	mm		17.132
08/10/1997	1997	823834	A	mm		13.245
09/19/1997	1997	873929	A	mm		15.374
10/21/1997	1997	910403	A	mm		11.193
11/20/1997	1997	935492	A	mm		7.700
12/19/1997	1997	966036	A	mm		9.374
01/21/1998	1998	4525	R	mm	Meter Rollover	11.812
02/20/1998	1998	29366	A	mm		7.623
03/19/1998	1998	53065	A	mm		7.273
04/21/1998	1998	95129	A	mm		12.909
05/23/1998	1998	144530	A	mm		15.161
06/19/1998	1998	160225	A	mm		4.817
07/21/1998	1998	173464	A	mm		4.063
08/20/1998	1998	216061	A	mm		13.073
09/22/1998	1998	216362	A	mm		0.092
11/24/1998	1998	216362	A	mm		0

01/21/1999	1999	249007	A	mm	10.018
02/19/1999	1999	274998	A	mm	7.976
03/22/1999	1999	305530	A	mm	9.370
04/23/1999	1999	343570	A	mm	11.674
05/20/1999	1999	383691	A	mm	12.313
06/21/1999	1999	141476	A	mm	0
07/21/1999	1999	170229	A	mm	8.824
08/20/1999	1999	170294	A	mm	0.020
09/23/1999	1999	470294	A	mm	92.067
10/21/1999	1999	470294	A	mm	0
11/22/1999	1999	470294	A	mm	0
12/22/1999	1999	470294	A	mm	0
01/21/2000	2000	470294	A	mm	0
02/21/2000	2000	470294	A	mm	0
03/22/2000	2000	470294	A	mm	0
04/25/2000	2000	470294	A	mm	0
05/23/2000	2000	3215	A	mm	0
06/23/2000	2000	15465	A	mm	3.759
07/24/2000	2000	81533	A	mm	20.276
08/21/2000	2000	82671	A	mm	0.349
09/21/2000	2000	111096	A	mm	8.723
11/20/2000	2000	127211	A	mm	4.946
12/20/2000	2000	130457	A	mm	0.996
01/21/2001	2001	133037	A	mm	0.792
02/21/2001	2001	137205	A	mm	1.279
03/21/2001	2001	146413	A	mm	2.826
04/21/2001	2001	173731	A	mm	8.384
05/21/2001	2001	222658	A	mm	15.015
06/21/2001	2001	255203	A	mm	9.988
07/20/2001	2001	285775	A	mm	9.382
08/21/2001	2001	313046	A	mm	8.369
09/21/2001	2001	336826	A	mm	7.298
10/19/2001	2001	355360	A	mm	5.688
11/20/2001	2001	382689	A	mm	8.387
12/19/2001	2001	395134	A	mm	3.819
01/21/2002	2002	407192	A	mm	3.700
02/21/2002	2002	417361	A	mm	3.121
03/21/2002	2002	427252	A	mm	3.035
04/19/2002	2002	443958	A	mm	5.127
05/21/2002	2002	476330	A	mm	9.935
06/21/2002	2002	541912	A	mm	20.126
07/23/2002	2002	568403	A	mm	8.130
08/21/2002	2002	568403	A	mm	0
09/21/2002	2002	568403	A	mm	0
10/22/2002	2002	568403	A	mm	0
11/20/2002	2002	570856	A	mm	0.753
12/10/2002	2002	579581	A	mm	2.678

01/21/2003	2003	581193	A	mm		0.495
02/20/2003	2003	589636	A	mm		2.591
03/20/2003	2003	595437	A	mm		1.780
04/22/2003	2003	615589	A	mm		6.184
05/21/2003	2003	633873	A	mm		5.611
06/23/2003	2003	667693	A	mm		10.379
07/22/2003	2003	697665	A	mm		9.198
08/21/2003	2003	731804	A	mm		10.477
09/25/2003	2003	762731	A	mm		9.491
10/21/2003	2003	781584	A	mm		5.786
11/20/2003	2003	797150	A	mm		4.777
12/19/2003	2003	809160	A	mm		3.686
01/21/2004	2004	822940	A	mm		4.229
02/19/2004	2004	835324	A	mm		3.801
03/25/2004	2004	853585	A	mm		5.604
04/22/2004	2004	871527	A	mm		5.506
05/20/2004	2004	898417	A	mm		8.252
06/10/2004	2004	919148	A	mm		6.362
07/21/2004	2004	930286	A	mm		3.418
08/20/2004	2004	940952	A	mm		3.273
09/24/2004	2004	951316	A	mm		3.181
10/21/2004	2004	962965	A	mm		3.575
11/19/2004	2004	977326	A	mm		4.407
12/17/2004	2004	985480	A	mm		2.502
01/20/2005	2005	999387	A	mm		4.268
02/22/2005	2005	9723	R	mm	Meter Rollover	3.172
03/10/2005	2005	22488	A	mm		3.917
04/10/2005	2005	43897	A	mm		6.570
05/10/2005	2005	66234	A	mm		6.855
06/10/2005	2005	87128	A	mm		6.412
07/19/2005	2005	112604	A	mm		7.818
08/23/2005	2005	147333	A	mm		10.658
09/21/2005	2005	161984	A	mm		4.496
10/21/2005	2005	185453	A	mm		7.202
11/21/2005	2005	203770	A	mm		5.621
12/21/2005	2005	216104	A	mm		3.785
01/19/2006	2006	230495	A	mm		4.416
02/23/2006	2006	248177	A	mm		5.426
03/20/2006	2006	265726	A	mm		5.386
04/19/2006	2006	294320	A	mm		8.775
05/21/2006	2006	331138	A	mm		11.299
06/19/2006	2006	366060	A	mm		10.717
07/24/2006	2006	410720	A	mm		13.706
08/21/2006	2006	433348	A	mm		6.944
09/19/2006	2006	448194	A	mm		4.556
10/20/2006	2006	466199	A	mm		5.526
11/20/2006	2006	479561	A	mm		4.101

12/21/2006	2006	494386	A	mm		4.550
01/10/2007	2007	509633	A	mm		4.679
02/19/2007	2007	521008	A	mm		3.491
03/11/2007	2007	538571	A	mm		5.390
04/23/2007	2007	564998	A	mm		8.110
05/21/2007	2007	588263	A	mm		7.140
06/25/2007	2007	617839	A	mm		9.077
07/25/2007	2007	639990	A	mm		6.798
08/23/2007	2007	665170	A	mm		7.727
09/20/2007	2007	699084	A	mm		10.408
10/24/2007	2007	735208	A	mm		11.086
11/23/2007	2007	744333	A	mm		2.800
01/23/2008	2008	775663	A	mm		9.615
02/26/2008	2008	806663	A	mm		9.514
03/21/2008	2008	837663	A	mm		9.514
06/20/2008	2008	841918	A	mm		1.306
07/22/2008	2008	864605	A	mm		6.962
08/22/2008	2008	886704	A	mm		6.782
09/19/2008	2008	897871	A	mm		3.427
12/16/2008	2008	906667	A	mm		2.699
01/07/2009	2009	906667	A	mm		0
01/12/2010	2009	906667	A	mm		0
04/06/2010	2010	906667	A	mm		0
07/05/2010	2010	906667	A	mm		0
10/04/2010	2010	906667	A	mm		0
01/06/2011	2010	267417	R	rs	Meter Rollover	110.710
02/01/2011	2011	0	A	mm		0
04/07/2011	2011	3	A	mm		0
05/04/2011	2011	7	A	mm		0
07/05/2011	2011	12	A	mm		0.001
09/29/2011	2011	284	A	mm		0.027
10/15/2011	2011	315	A	rs		0.003
01/04/2012	2011	400	A	mm		0.008
07/17/2012	2012	750	A	mm		0.035
10/08/2012	2012	935	A	mm		0.019
01/14/2013	2012	57	R	mm	Meter Rollover	99.912
04/04/2013	2013	58	A	sm		0
05/01/2013	2013	26	R	sm	Meter Rollover	99.997
06/01/2013	2013	33	A	mm		0.001
07/08/2013	2013	45	A	cw		0.001
10/01/2013	2013	0	A	ad		0
02/13/2014	2013	137310	A	ad		0.421
03/01/2014	2014	549050	A	ad		1.264
04/01/2014	2014	1090906	A	ad		1.663
05/01/2014	2014	2138068	A	dc		3.214
06/01/2014	2014	3436201	A	dc		3.984
07/01/2014	2014	5040264	A	dc		4.923

08/01/2014	2014	6171342	A	dc	3.471
09/01/2014	2014	7138839	A	dc	2.969
10/01/2014	2014	7953957	A	dc	2.502
11/01/2014	2014	8436094	A	dc	1.480
12/01/2014	2014	8953935	A	cw	1.589
01/01/2015	2014	9464356	A	ad	1.566
02/01/2015	2015	10002903	A	ad	1.653
03/01/2015	2015	10817001	A	ad	2.498
04/01/2015	2015	12131170	A	ad	4.033
05/01/2015	2015	13621254	A	dc	4.573
06/01/2015	2015	15310617	A	dc	5.184
07/01/2015	2015	17329539	A	dc	6.196
08/01/2015	2015	19298260	A	ad	6.042
09/01/2015	2015	20858574	A	dc	4.788
10/06/2015	2015	22521808	A	dc	5.104
11/05/2015	2015	23535090	A	bf	3.110
12/03/2015	2015	24402914	A	dc	2.663
02/01/2016	2015	26100446	A	bf	5.210
03/01/2016	2016	27203899	A	bf	3.386
04/01/2016	2016	28678117	A	dc	4.524
05/01/2016	2016	30053190	A	bf	4.220
06/01/2016	2016	33154397	A	dc	9.517
07/01/2016	2016	35075750	A	dc	5.896
08/01/2016	2016	37833527	A	dc	8.463
09/01/2016	2016	44129799	A	dc	19.323
10/01/2016	2016	47903232	A	dc	11.580
11/01/2016	2016	49495556	A	dc	4.887
12/01/2016	2016	51286498	A	dc	5.496
01/01/2017	2016	52896690	A	bf	4.941
02/01/2017	2017	54489789	A	dc	4.889
03/01/2017	2017	56416489	A	bf	5.913
04/01/2017	2017	59458031	A	dc	9.334
05/01/2017	2017	62480477	A	bf	9.276
06/01/2017	2017	65025330	A	bf	7.810
07/01/2017	2017	67428114	A	dc	7.374
08/01/2017	2017	72194550	A	dc	14.628
09/01/2017	2017	76311315	A	dc	12.634
10/02/2017	2017	78086702	A	cb	5.448

**YTD Meter Amounts:	Year	Amount
	1997	115.271
	1998	76.823
	1999	152.262
	2000	39.049
	2001	81.227
	2002	56.605
	2003	70.455

2004	54.110
2005	70.774
2006	85.402
2007	76.706
2008	49.819
2009	0
2010	110.710
2011	0.039
2012	99.966
2013	100.420
2014	28.625
2015	51.054
2016	82.233
2017	77.306

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	LRG 00080 POD6	1	1	1	14	21S	01W	319442	3596254

Driller License:	1274	Driller Company:	GUFFEY, R.L. INC.		
Driller Name:	PADRAIC GUFFEY				
Drill Start Date:	02/20/2006	Drill Finish Date:	02/22/2006	Plug Date:	
Log File Date:	03/30/2006	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	500 GPM
Casing Size:	12.75	Depth Well:	98 feet	Depth Water:	13 feet

Water Bearing Stratifications:	Top	Bottom	Description
	39	98	Shallow Alluvium/Basin Fill

Casing Perforations:	Top	Bottom
	38	98

Meter Number:	12222	Meter Make:	MCCROMETER
Meter Serial Number:	MX060163	Meter Multiplier:	1000.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/10/2007	2007	3105	A	mm		0
04/23/2007	2007	5356	A	mm		6.908
05/21/2007	2007	5421	A	mm		0.199
06/25/2007	2007	9182	A	mm		11.542
07/25/2007	2007	11739	A	mm		7.847
09/01/2007	2007	0	A	mm		0
09/20/2007	2007	1260	A	mm		3.867
10/24/2007	2007	1260	A	mm		0
11/23/2007	2007	5023	A	mm		11.548
12/19/2007	2007	5023	A	mm		0
01/23/2008	2008	5539	A	mm		1.584
02/26/2008	2008	6063	A	mm		1.608
03/21/2008	2008	8393	A	mm		7.151
04/21/2008	2008	12935	A	mm		13.939
05/21/2008	2008	16605	A	mm		11.263
07/22/2008	2008	24918	A	mm		25.512
08/22/2008	2008	25199	A	mm		0.862

09/19/2008	2008	27241	A	mm	6.267
10/20/2008	2008	30736	A	mm	10.726
11/19/2008	2008	31457	A	mm	2.213
12/16/2008	2008	32151	A	mm	2.130
01/12/2010	2009	54375	A	mm	68.203
02/08/2010	2010	54632	A	mm	0.789
04/06/2010	2010	56110	A	mm	4.536
07/05/2010	2010	63081	A	mm	21.393
10/04/2010	2010	67739	A	mm	14.295
01/06/2011	2010	69238	A	rs	4.600
05/04/2011	2011	71022	A	mm	5.475
07/05/2011	2011	76825	A	mm	17.809
10/03/2011	2011	81136	A	mm	13.230
01/04/2012	2011	82401	A	mm	3.882
07/17/2012	2012	86232	A	mm	11.757
10/08/2012	2012	89075	A	mm	8.725
01/14/2013	2012	89980	A	mm	2.777
04/04/2013	2013	90105	A	sm	0.384
05/01/2013	2013	90130	A	sm	0.077
06/01/2013	2013	90130	A	mm	0
08/01/2013	2013	90285	A	cw	0.476
09/03/2013	2013	90288	A	ad	0.009
10/01/2013	2013	90347	A	ad	0.181
11/01/2013	2013	92854	A	ad	7.694
01/02/2014	2013	97767	A	ad	15.077
03/01/2014	2014	97767	A	ad	0
04/01/2014	2014	97927	A	ad	0.491
05/01/2014	2014	97927	A	dc	0
06/01/2014	2014	97927	A	dc	0
07/01/2014	2014	97927	A	dc	0
08/01/2014	2014	97927	A	dc	0
09/01/2014	2014	97927	A	dc	0
10/01/2014	2014	97927	A	dc	0
11/01/2014	2014	97927	A	dc	0
12/01/2014	2014	97927	A	cw	0
01/01/2015	2014	97927	A	ad	0
02/01/2015	2015	97927	A	ad	0
03/01/2015	2015	97927	A	ad	0
04/01/2015	2015	97927	A	ad	0
05/01/2015	2015	97927	A	dc	0
06/01/2015	2015	97927	A	dc	0
07/01/2015	2015	97927	A	dc	0
08/01/2015	2015	97927	A	ad	0
09/01/2015	2015	97927	A	dc	0
10/06/2015	2015	97927	A	dc	0
11/05/2015	2015	97927	A	bf	0
12/03/2015	2015	97927	A	dc	0

02/01/2016	2015	97927	A	bf	0
03/01/2016	2016	97927	A	bf	0
10/02/2017	2016	97927	A	cb	0

**YTD Meter Amounts:	Year	Amount
	2007	41.911
	2008	83.255
	2009	68.203
	2010	45.613
	2011	40.396
	2012	23.259
	2013	23.898
	2014	0.491
	2015	0
	2016	0

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	LRG 00080 POD7				14	21S	01W	319445	3596257

Driller License:	Driller Company:		
Driller Name:			
Drill Start Date:	Drill Finish Date:	Plug Date:	
Log File Date:	PCW Rcv Date:	Source:	Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield:	
Casing Size:	Depth Well:	Depth Water:	

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	LRG 01905							330858	3581234

Driller License:	1034	Driller Company:	GUFFEY, R.L. INC.		
Driller Name:	GUFFEY, MICHEAL R.				
Drill Start Date:	09/19/1988	Drill Finish Date:	10/21/1960	Plug Date:	
Log File Date:	12/07/1988	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	525 GPM
Casing Size:	8.63	Depth Well:	324 feet	Depth Water:	41 feet

Water Bearing Stratifications:	Top	Bottom	Description
	236	256	Shallow Alluvium/Basin Fill
	350	410	Shallow Alluvium/Basin Fill

Meter Number:	3745	Meter Make:	SIEMENS
Meter Serial Number:	549003	Meter Multiplier:	1000.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/13/2000	2000	168503	A	mm		0
01/11/2001	2000	325420	A	mm		481.561
03/05/2001	2001	325420	A	mm		0
03/14/2001	2001	325420	A	mm		0
04/09/2001	2001	331672	A	mm		19.187
06/07/2001	2001	346519	A	mm		45.564
06/07/2001	2001	378132	A	mm		97.017
07/09/2001	2001	412469	A	mm		105.376
08/13/2001	2001	446221	A	mm		103.581
09/10/2001	2001	473392	A	mm		83.385
10/12/2001	2001	499509	A	mm		80.150
11/09/2001	2001	508993	A	mm		29.105
12/13/2001	2001	510556	A	mm		4.797
01/11/2002	2001	519758	A	mm		28.240
02/15/2002	2002	530738	A	mm		33.696
03/28/2002	2002	540576	A	mm		30.192
04/10/2002	2002	551823	A	mm		34.516
05/14/2002	2002	571384	A	mm		60.031

06/14/2002	2002	599974	A	mm		87.739
07/11/2002	2002	633424	A	mm		102.654
08/12/2002	2002	655529	A	mm		67.838
09/10/2002	2002	682266	A	mm		82.053
10/15/2002	2002	706308	A	mm		73.782
11/19/2002	2002	717728	A	mm		35.047
12/10/2002	2002	726620	A	mm		27.289
01/13/2003	2002	734396	A	mm		23.864
02/10/2003	2003	751363	A	mm		52.070
03/10/2003	2003	764693	A	mm		40.908
04/03/2003	2003	787182	A	mm		69.016
05/06/2003	2003	816108	A	mm		88.771
06/04/2003	2003	852522	A	mm		111.750
07/07/2003	2003	886068	A	mm		102.949
08/11/2003	2003	922142	A	mm		110.707
09/05/2003	2003	952214	A	mm		92.288
10/08/2003	2003	981331	A	mm		89.357
11/12/2003	2003	815	R	mm	Meter Rollover	59.794
12/10/2003	2003	15391	A	mm		44.732
01/14/2004	2003	27852	A	mm		38.241
02/06/2004	2004	38190	A	mm		31.726
03/15/2004	2004	45905	A	mm		23.676
04/14/2004	2004	59318	A	mm		41.163
05/13/2004	2004	79047	A	mm		60.546
06/08/2004	2004	100189	A	mm		64.882
07/12/2004	2004	115861	A	mm		48.096
08/11/2004	2004	135765	A	mm		61.083
09/15/2004	2004	147605	A	mm		36.336
10/14/2004	2004	156431	A	mm		27.086
12/23/2004	2004	156431	A	mm		0
01/06/2005	2004	156431	A	mm		0
02/07/2005	2005	156764	A	mm		1.022
03/07/2005	2005	156764	A	mm		0
04/07/2005	2005	173839	A	mm		52.401
05/05/2005	2005	210808	A	mm		113.454
06/06/2005	2005	245862	A	mm		107.577
07/06/2005	2005	282697	A	mm		113.042
08/08/2005	2005	320941	A	mm		117.367
09/08/2005	2005	353771	A	mm		100.752
10/13/2005	2005	375061	A	mm		65.337
11/09/2005	2005	375061	A	mm		0
12/09/2005	2005	375061	A	mm		0
01/06/2006	2005	375061	A	mm		0
02/13/2006	2006	375061	A	mm		0
03/30/2006	2006	378387	A	mm		10.207
04/05/2006	2006	407773	A	mm		90.182
05/03/2006	2006	441398	A	mm		103.191

06/06/2006	2006	474865	A	mm		102.706
07/11/2006	2006	508714	A	mm		103.879
08/14/2006	2006	542467	A	mm		103.584
09/07/2006	2006	568918	A	mm		81.175
10/11/2006	2006	591340	A	mm		68.811
11/03/2006	2006	599273	A	mm		24.345
12/06/2006	2006	599273	A	mm		0
01/08/2007	2006	599273	A	mm		0
02/05/2007	2007	599273	A	mm		0
03/05/2007	2007	599273	A	mm		0
04/06/2007	2007	599273	A	mm		0
05/01/2007	2007	611527	A	mm		37.606
06/01/2007	2007	639672	A	mm		86.374
07/09/2007	2007	677900	A	mm		117.317
08/03/2007	2007	715793	A	mm		116.289
09/06/2007	2007	751592	A	mm		109.863
10/09/2007	2007	786654	A	mm		107.601
11/08/2007	2007	814465	A	mm		85.349
12/05/2007	2007	814465	A	mm		0
01/04/2008	2007	818960	A	mm		13.795
02/08/2008	2008	818960	A	mm		0
03/10/2008	2008	818960	A	mm		0
04/08/2008	2008	818960	A	mm		0
05/12/2008	2008	851457	A	mm		99.730
06/06/2008	2008	884223	A	mm		100.555
07/06/2008	2008	889896	A	mm		17.410
08/06/2008	2008	909399	A	mm		59.853
09/08/2008	2008	936791	A	mm		84.063
10/01/2008	2008	960159	A	rp		71.714
11/07/2008	2008	986340	A	mm		80.347
12/01/2008	2008	920	R	rp	Meter Rollover	44.744
01/01/2009	2008	4698	A	da		11.594
02/01/2009	2009	4698	A	mm		0
03/01/2009	2009	4698	A	mm		0
04/01/2009	2009	4799	A	mm		0.310
05/01/2009	2009	7744	A	mm		9.038
06/01/2009	2009	7744	A	mm		0
07/01/2009	2009	7744	A	mm		0
08/01/2009	2009	26585	A	mm		57.821
09/01/2009	2009	56873	A	mm		92.950
10/01/2009	2009	80683	A	mm		73.070
11/01/2009	2009	102614	A	mm		67.304
12/01/2009	2009	122798	A	mm		61.942
01/01/2010	2009	140043	A	mm		52.923
02/01/2010	2010	157614	A	mm		53.923
03/01/2010	2010	172123	A	mm		44.526
04/01/2010	2010	198681	A	mm		81.504

05/01/2010	2010	225451	A	mm		82.154
06/01/2010	2010	254291	A	mm		88.507
07/01/2010	2010	267806	A	mm		41.476
08/01/2010	2010	278064	A	mm		31.481
09/01/2010	2010	290604	A	mm		38.484
10/01/2010	2010	318035	A	mm		84.183
11/01/2010	2010	345196	A	mm		83.354
12/01/2010	2010	371364	A	mm		80.307
01/01/2011	2010	391312	A	mm		61.218
02/01/2011	2011	414556	A	mm		71.333
03/01/2011	2011	437605	A	mm		70.735
04/01/2011	2011	461621	A	mm		73.702
05/01/2011	2011	476275	A	mm		44.971
06/01/2011	2011	480742	A	mm		13.709
07/01/2011	2011	499440	A	mm		57.382
08/01/2011	2011	513099	A	mm		41.918
09/01/2011	2011	526733	A	mm		41.841
10/01/2011	2011	530948	A	mm		12.935
11/01/2011	2011	530948	A	mm		0
12/01/2011	2011	530948	A	mm		0
01/01/2012	2011	530948	A	mm		0
02/01/2012	2012	530948	A	mm		0
03/01/2012	2012	530948	A	mm		0
04/01/2012	2012	530948	A	mm		0
05/01/2012	2012	530948	A	mm		0
05/30/2012	2012	581431	A	mm		154.927
07/31/2012	2012	24749115	A	mm		0
08/01/2012	2012	25241946	A	mm		1.512
09/01/2012	2012	27111745	A	mm		5.738
10/01/2012	2012	27111745	A	mm		0
11/01/2012	2012	27111745	A	mm		0
12/01/2012	2012	27111745	A	mm		0
01/01/2013	2012	27111745	A	mm		0
02/01/2013	2013	27111745	A	mm		0
03/01/2013	2013	27111890	A	mm		0
04/01/2013	2013	27111890	A	sm		0
05/01/2013	2013	27111890	A	sm		0
06/01/2013	2013	27111890	A	mm		0
08/01/2013	2013	68192408	A	sm		126.071
09/01/2013	2013	77984124	A	ad		30.050
10/01/2013	2013	87137639	A	ad		28.091
11/01/2013	2013	96183405	A	ad		27.760
01/02/2014	2013	8975396	R	ad	Meter Rollover	39.257
03/01/2014	2014	9603873	A	ad		1.929
04/01/2014	2014	9603873	A	ad		0
05/01/2014	2014	9603873	A	dc		0
06/01/2014	2014	9603879	A	dc		0

07/01/2014	2014	21717491	A	dc		37.175
08/01/2014	2014	60649713	A	dc		119.479
09/01/2014	2014	79756680	A	dc		58.637
10/01/2014	2014	92125668	A	dc		37.959
11/01/2014	2014	92823155	A	dc		2.141
12/01/2014	2014	92823155	A	cw		0
01/01/2015	2014	92823155	A	ad		0
02/01/2015	2015	928232	A	dc		0
02/02/2015	2015	928232	A	dc		0
02/28/2015	2015	944361	A	dc		49.500
03/31/2015	2015	980205	A	dc		110.000
04/30/2015	2015	996171	A	dc		49.000
05/01/2015	2015	4236	R	dc	Meter Rollover	24.749
05/22/2015	2015	16289	A	dc		36.989
06/08/2015	2015	32893	A	dc		50.955
07/01/2015	2015	57379	A	dc		75.147
08/01/2015	2015	82578	A	dc		77.333
09/01/2015	2015	106291	A	dc		72.771
10/01/2015	2015	127826	A	dc		66.089
11/01/2015	2015	138324	A	dc		32.216
12/01/2015	2015	146532	A	dc		25.189
01/04/2016	2015	149737	A	dc		9.837
03/01/2016	2016	153572	A	dc		11.768
04/01/2016	2016	167752	A	dc		43.518
05/01/2016	2016	172091	A	bf		13.314
05/31/2016	2016	0	A	bf	Initial Reading	0
06/01/2016	2016	0	A	dc		0
06/02/2016	2016	39908	A	dc		122.472
07/01/2016	2016	68830	A	dc		88.760
07/25/2016	2016	93353	A	dc		75.260
08/01/2016	2016	100939	A	dc		23.279
09/01/2016	2016	130047	A	dc		89.330
10/01/2016	2016	134430	A	dc		13.450
11/01/2016	2016	134430	A	dc		0
12/01/2016	2016	134430	A	dc		0
01/01/2017	2016	134430	A	bf		0
02/01/2017	2017	134430	A	dc		0
03/01/2017	2017	134430	A	bf		0
04/01/2017	2017	134430	A	dc		0
05/01/2017	2017	134430	A	bf		0
06/01/2017	2017	134430	A	bf		0
07/01/2017	2017	134430	A	dc		0
08/01/2017	2017	134430	A	dc		0
09/01/2017	2017	134430	A	dc		0
10/02/2017	2017	134430	A	cb		0

**YTD Meter Amounts: Year Amount

2000	481.561
2001	596.402
2002	658.701
2003	900.583
2004	394.594
2005	670.952
2006	688.080
2007	674.194
2008	570.010
2009	415.358
2010	771.117
2011	428.526
2012	162.177
2013	251.229
2014	257.320
2015	679.775
2016	481.151
2017	0

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LRG 01905 S							329310	3585178

Driller License:	1034	Driller Company:	GUFFEY, R.L. INC.		
Driller Name:	SCHIEFFER				
Drill Start Date:	09/14/1973	Drill Finish Date:	09/14/1973	Plug Date:	
Log File Date:	07/21/1983	PCW Rcv Date:		Source:	Shallow
Pump Type:	SUBMER	Pipe Discharge Size:	4"	Estimated Yield:	525 GPM
Casing Size:	8.63	Depth Well:	369 feet	Depth Water:	54 feet

Meter Number:	3740	Meter Make:	SIEMENS
Meter Serial Number:	12250016	Meter Multiplier:	1000.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/13/2000	2000	838769	A	mm		0
09/14/2000	2000	273196	R	mm	Meter Rollover	133.321
01/11/2001	2000	479007	A	mm		63.161
03/05/2001	2001	527630	A	mm		14.922
03/14/2001	2001	574077	A	mm		14.254
04/09/2001	2001	635747	A	mm		18.926
06/07/2001	2001	682622	A	mm		4.964
06/07/2001	2001	666446	A	mm		9.421
07/09/2001	2001	682622	A	mm		0
08/13/2001	2001	682622	A	mm		0
09/01/2001	2001	5853290	A	mm		0
10/12/2001	2001	11106110	A	mm		16.120
11/09/2001	2001	15336060	A	mm		12.981
12/13/2001	2001	18427680	A	mm		9.488
01/11/2002	2001	21299050	A	mm		8.812
02/15/2002	2002	24245049	A	mm		9.041
03/28/2002	2002	26906020	A	mm		8.166
04/10/2002	2002	31318200	A	mm		13.540
05/14/2002	2002	36917900	A	mm		17.185
06/14/2002	2002	43750200	A	mm		20.968
07/11/2002	2002	51297140	A	mm		23.161
08/12/2002	2002	57024119	A	mm		17.575

09/10/2002	2002	63239040	A	mm	19.073
10/15/2002	2002	68629709	A	mm	16.543
11/19/2002	2002	72664410	A	mm	12.382
12/10/2002	2002	75828220	A	mm	9.709
01/13/2003	2002	78918220	A	mm	9.483
02/10/2003	2003	82458370	A	mm	10.864
03/10/2003	2003	85118970	A	mm	8.165
04/03/2003	2003	89718100	A	mm	14.114
05/06/2003	2003	94779960	A	mm	15.534
06/04/2003	2003	96416220	A	mm	5.021
07/07/2003	2003	98230990	A	mm	5.569
08/11/2003	2003	104895110	A	mm	20.451
09/05/2003	2003	106430920	A	mm	4.713
10/08/2003	2003	112008500	A	mm	17.117
11/12/2003	2003	116149830	A	mm	12.709
12/10/2003	2003	119582620	A	mm	10.535
01/14/2004	2003	123153120	A	mm	10.957
02/06/2004	2004	126581370	A	mm	10.521
03/15/2004	2004	129932730	A	mm	10.285
04/14/2004	2004	134140500	A	mm	12.913
05/13/2004	2004	138202770	A	mm	12.467
06/08/2004	2004	144130860	A	mm	18.193
07/12/2004	2004	150655110	A	mm	20.022
08/11/2004	2004	156963580	A	mm	19.360
09/15/2004	2004	162343940	A	mm	16.512
10/14/2004	2004	168745100	A	mm	19.644
12/23/2004	2004	173707550	A	mm	15.229
01/06/2005	2004	176777310	A	mm	9.421
02/07/2005	2005	178288210	A	mm	4.637
03/07/2005	2005	181265300	A	mm	9.136
04/07/2005	2005	184709170	A	mm	10.569
05/05/2005	2005	189055780	A	mm	13.339
06/06/2005	2005	198856530	A	mm	30.077
07/06/2005	2005	205813550	A	mm	21.350
08/08/2005	2005	213001600	A	mm	22.059
09/08/2005	2005	217967670	A	mm	15.240
10/13/2005	2005	222236760	A	mm	13.101
11/09/2005	2005	225603030	A	mm	10.331
12/09/2005	2005	228322440	A	mm	8.346
01/06/2006	2005	231374700	A	mm	9.367
02/13/2006	2006	236099660	A	mm	14.500
03/30/2006	2006	241960860	A	mm	17.987
04/05/2006	2006	244610050	A	mm	8.130
05/03/2006	2006	248743650	A	mm	12.686
06/06/2006	2006	256444890	A	mm	23.634
07/11/2006	2006	261241540	A	mm	14.720
08/14/2006	2006	264848010	A	mm	11.068

09/07/2006	2006	264848010	A	mm	0
10/11/2006	2006	264848010	A	mm	0
11/03/2006	2006	270464850	A	mm	17.237
12/06/2006	2006	279453900	A	mm	27.586
01/08/2007	2006	288250160	A	mm	26.995
02/05/2007	2007	297462250	A	mm	28.271
03/05/2007	2007	305411830	A	mm	24.396
04/06/2007	2007	314177580	A	mm	26.901
05/01/2007	2007	320534770	A	mm	19.509
06/01/2007	2007	325104800	A	mm	14.025
07/09/2007	2007	328518070	A	mm	10.475
08/03/2007	2007	330678390	A	mm	6.630
09/06/2007	2007	333015350	A	mm	7.172
10/01/2007	2007	337483640	A	mm	13.713
11/08/2007	2007	338300640	A	mm	2.507
12/05/2007	2007	341007300	A	mm	8.306
01/04/2008	2007	343129670	A	mm	6.513
02/08/2008	2008	344667000	A	mm	4.718
03/10/2008	2008	346200920	A	mm	4.707
04/08/2008	2008	352486410	A	mm	19.289
05/12/2008	2008	354593070	A	mm	6.465
06/06/2008	2008	359827210	A	mm	16.063
07/06/2008	2008	365749799	A	mm	18.176
08/08/2008	2008	370343099	A	mm	14.096
09/08/2008	2008	374597569	A	mm	13.056
10/01/2008	2008	378418238	A	rp	11.725
11/07/2008	2008	381890028	A	mm	10.655
12/01/2008	2008	382202400	A	rp	0.959
01/01/2009	2008	385692240	A	da	10.710
02/01/2009	2009	388072440	A	mm	7.305
03/01/2009	2009	392980360	A	mm	15.062
04/01/2009	2009	398640681	A	mm	17.371
05/01/2009	2009	404055621	A	mm	16.618
06/01/2009	2009	409509151	A	mm	16.736
07/01/2009	2009	414139341	A	mm	14.210
08/01/2009	2009	414868271	A	mm	2.237
09/01/2009	2009	420218590	A	mm	16.420
10/01/2009	2009	424576639	A	mm	13.374
11/01/2009	2009	429872332	A	mm	16.252
12/01/2009	2009	433238692	A	mm	10.331
01/01/2010	2009	436586862	A	mm	10.275
02/01/2010	2010	439648012	A	mm	9.394
03/01/2010	2010	441215302	A	mm	4.810
04/01/2010	2010	441215302	A	mm	0
05/01/2010	2010	441215302	A	mm	0
06/01/2010	2010	441215302	A	mm	0
07/01/2010	2010	445207062	A	mm	12.250

08/01/2010	2010	449888012	A	mm		14.365
09/01/2010	2010	455004482	A	mm		15.702
10/01/2010	2010	460514992	A	mm		16.911
11/01/2010	2010	464792552	A	mm		13.127
12/01/2010	2010	466795542	A	mm		6.147
01/01/2011	2010	468463861	A	mm		5.120
02/01/2011	2011	472449532	A	mm		12.232
03/01/2011	2011	478171612	A	mm		17.560
04/01/2011	2011	483593862	A	mm		16.640
05/01/2011	2011	488720322	A	mm		15.733
06/01/2011	2011	494025862	A	mm		16.282
07/01/2011	2011	4130540	A	mm		0
08/01/2011	2011	6581810	A	mm		7.523
11/01/2011	2011	1203210	R	mm	Meter Rollover	14.183
12/01/2011	2011	9506719	A	mm		25.483
01/01/2012	2011	239227	R	mm	Meter Rollover	2.248
02/01/2012	2012	239227	A	mm		0
03/01/2012	2012	239227	A	mm		0
04/01/2012	2012	239227	A	mm		0
05/01/2012	2012	239227	A	mm		0
08/01/2012	2012	239227	A	mm		0
09/01/2012	2012	239227	A	mm		0
10/01/2012	2012	5895950	A	mm		17.360
11/01/2012	2012	2935610	R	mm	Meter Rollover	21.604
12/01/2012	2012	6002099	A	mm		9.411
01/01/2013	2012	4926790	R	mm	Meter Rollover	27.389
02/01/2013	2013	3502810	R	mm	Meter Rollover	26.319
03/01/2013	2013	2913150	R	mm	Meter Rollover	28.879
04/01/2013	2013	8320941	A	sm		16.596
05/01/2013	2013	2285570	R	sm	Meter Rollover	12.167
06/01/2013	2013	1059080	R	mm	Meter Rollover	26.925
08/01/2013	2013	7035720	A	sm		18.342
09/01/2013	2013	1194370	R	ad	Meter Rollover	12.762
10/01/2013	2013	7215149	A	ad		18.477
11/01/2013	2013	3706840	R	ad	Meter Rollover	19.922
01/02/2014	2013	7610450	A	ad		11.980
01/08/2014	2014	9678040	A	dc		6.345
01/09/2014	2014	242200	R	dc	Meter Rollover	1.731
01/28/2014	2014	9878020	A	dc		29.571
01/29/2014	2014	419580	R	dc	Meter Rollover	1.662
01/31/2014	2014	1517170	A	dc		3.368
02/03/2014	2014	3195660	A	dc		5.151
02/14/2014	2014	9160920	A	dc		18.307
02/18/2014	2014	1340250	R	dc	Meter Rollover	6.688
02/28/2014	2014	6778570	A	dc		16.690
03/01/2014	2014	7336099	A	dc		1.711
03/05/2014	2014	9499789	A	dc		6.640

03/06/2014	2014	46070	R	dc	Meter Rollover	1.676
03/24/2014	2014	9979950	A	dc		30.486
03/25/2014	2014	350990	R	dc	Meter Rollover	1.139
04/01/2014	2014	4143710	A	dc		11.639
04/11/2014	2014	9575590	A	dc		16.670
04/14/2014	2014	1224680	R	dc	Meter Rollover	5.061
04/30/2014	2014	9889659	A	dc		26.592
05/01/2014	2014	258650	R	dc	Meter Rollover	1.132
05/23/2014	2014	9061350	A	dc		27.014
05/27/2014	2014	310940	R	dc	Meter Rollover	3.835
06/01/2014	2014	1417170	A	dc		3.395
06/19/2014	2014	9865010	A	dc		25.925
06/20/2014	2014	503920	R	dc	Meter Rollover	1.961
07/01/2014	2014	6267609	A	dc		17.688
07/07/2014	2014	9510780	A	dc		9.953
07/08/2014	2014	30890	R	dc	Meter Rollover	1.596
08/01/2014	2014	6593379	A	dc		20.140
08/29/2014	2014	9498229	A	dc		8.915
09/01/2014	2014	78470	R	dc	Meter Rollover	1.781
10/01/2014	2014	3100779	A	dc		9.275
11/01/2014	2014	7948610	A	dc		14.877
11/07/2014	2014	9440719	A	dc		4.579
11/08/2014	2014	170050	R	dc	Meter Rollover	2.238
12/01/2014	2014	3926089	A	dc		11.527
12/23/2014	2014	9867080	A	dc		18.232
01/01/2015	2014	2701790	R	dc	Meter Rollover	8.699
01/23/2015	2015	9886199	A	dc		22.048
02/01/2015	2015	3162130	R	dc	Meter Rollover	10.053
02/20/2015	2015	9622070	A	dc		19.825
03/01/2015	2015	1590650	R	dc	Meter Rollover	6.041
04/01/2015	2015	3268430	A	dc		5.149
05/01/2015	2015	7440979	A	dc		12.805
05/12/2015	2015	9972250	A	dc		7.768
06/10/2015	2015	3602320	R	dc	Meter Rollover	11.140
06/29/2015	2015	9005369	A	dc		16.581
07/01/2015	2015	4949250	R	dc	Meter Rollover	18.241
08/01/2015	2015	9929940	A	dc		15.285
08/02/2015	2015	2055270	R	dc	Meter Rollover	6.522
09/01/2015	2015	2253110	A	dc		0.607
10/01/2015	2015	9132190	A	dc		21.111
11/01/2015	2015	4245630	R	dc	Meter Rollover	15.693
12/03/2015	2015	8978880	A	dc		14.526
01/04/2016	2015	6111370	R	dc	Meter Rollover	21.889
03/01/2016	2016	9030130	A	bf		8.957
04/01/2016	2016	4679309	R	dc	Meter Rollover	17.337
05/01/2016	2016	7235230	A	bf		7.844
05/31/2016	2016	0	A	bf	Inital Reading	0

06/02/2016	2016	3	A	bf	FLD CHK w/ DC	0.008
07/01/2016	2016	17	A	dc		0.044
08/01/2016	2016	29863	E	DC		91.593
09/01/2016	2016	46812	A	dc		52.015
10/01/2016	2016	63481	A	dc		51.157
11/01/2016	2016	79818	A	dc		50.135
12/01/2016	2016	96751	A	dc		51.967
01/01/2017	2016	114204	A	bf		53.559
02/01/2017	2017	130031	A	dc		48.573
03/01/2017	2017	145257	A	bf		46.725
04/01/2017	2017	160388	A	dc		46.436
05/01/2017	2017	176516	A	bf		49.494
06/01/2017	2017	191931	A	bf		47.308
07/01/2017	2017	205489	A	dc		41.607
08/01/2017	2017	220224	A	dc		45.221
09/01/2017	2017	220224	A	dc		0
10/02/2017	2017	243110	A	cb		70.235

**YTD Meter Amounts:	Year	Amount
	2000	196.482
	2001	109.888
	2002	176.826
	2003	135.749
	2004	164.567
	2005	167.552
	2006	174.543
	2007	168.418
	2008	130.619
	2009	156.191
	2010	97.826
	2011	127.884
	2012	75.764
	2013	192.369
	2014	383.889
	2015	225.284
	2016	384.616
	2017	395.599

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LRG 01905 S-2							330398	3580783

Driller License:		Driller Company:			
Driller Name:	COLE				
Drill Start Date:	10/08/1976	Drill Finish Date:	10/08/1976	Plug Date:	
Log File Date:		PCW Rcv Date:		Source:	Shallow
Pump Type:	SUBMER	Pipe Discharge Size:	4"	Estimated Yield:	750 GPM
Casing Size:	12.00	Depth Well:	505 feet	Depth Water:	26 feet

Meter Number:	3741	Meter Make:	HERSEY
Meter Serial Number:	0111899	Meter Multiplier:	100.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/13/2000	2000	627770	A	mm		0
09/14/2000	2000	200169	R	mm	Meter Rollover	175.663
01/11/2001	2000	493454	A	mm		90.006
03/05/2001	2001	572471	A	mm		24.249
03/14/2001	2001	641158	A	mm		21.079
04/09/2001	2001	715179	A	mm		22.716
06/07/2001	2001	841634	A	mm		19.246
06/07/2001	2001	778921	A	mm		19.562
07/09/2001	2001	895772	A	mm		16.614
08/13/2001	2001	946065	A	mm		15.434
09/10/2001	2001	987728	A	mm		12.786
10/12/2001	2001	14246	R	mm	Meter Rollover	8.138
11/09/2001	2001	26597	A	mm		3.790
12/13/2001	2001	90082	A	mm		19.483
01/11/2002	2002	97200	A	mm		2.184
03/10/2002	2002	99983	A	mm		0.854
04/10/2002	2002	99983	A	mm		0
05/10/2002	2002	99983	A	mm		0
06/10/2002	2002	99983	A	mm		0
07/11/2002	2002	35001	A	mm		0
08/12/2002	2002	59800	A	mm		7.611
09/10/2002	2002	77656	A	mm		5.480

10/15/2002	2002	77656	A	mm	0
11/19/2002	2002	77656	A	mm	0
12/10/2002	2002	77656	A	mm	0
01/13/2003	2002	77656	A	mm	0
02/10/2003	2003	77656	A	mm	0
03/10/2003	2003	77656	A	mm	0
04/03/2003	2003	77656	A	mm	0
05/06/2003	2003	77656	A	mm	0
06/04/2003	2003	92864	A	mm	4.667
07/07/2003	2003	97204	A	mm	1.332
08/11/2003	2003	134369	A	mm	11.406
09/05/2003	2003	166019	A	mm	9.713
10/08/2003	2003	166019	A	mm	0
11/12/2003	2003	166019	A	mm	0
12/10/2003	2003	166019	A	mm	0
01/14/2004	2003	166019	A	mm	0
02/06/2004	2004	166019	A	mm	0
03/15/2004	2004	166019	A	mm	0
04/14/2004	2004	166019	A	mm	0
05/13/2004	2004	178678	A	mm	3.885
06/08/2004	2004	229234	A	mm	15.515
07/12/2004	2004	258590	A	mm	9.009
08/11/2004	2004	279118	A	mm	6.300
09/15/2004	2004	279118	A	mm	0
10/14/2004	2004	279118	A	mm	0
12/23/2004	2004	279118	A	mm	0
01/06/2005	2004	279118	A	mm	0
02/07/2005	2005	279118	A	mm	0
03/07/2005	2005	279118	A	mm	0
04/07/2005	2005	279118	A	mm	0
05/05/2005	2005	279118	A	mm	0
06/06/2005	2005	279118	A	mm	0
07/06/2005	2005	279118	A	mm	0
08/08/2005	2005	279118	A	mm	0
09/08/2005	2005	279118	A	mm	0
10/13/2005	2005	279118	A	mm	0
11/09/2005	2005	279118	A	mm	0
12/09/2005	2005	279118	A	mm	0
01/06/2006	2005	279118	A	mm	0
02/13/2006	2006	279118	A	mm	0
03/30/2006	2006	279118	A	mm	0
04/05/2006	2006	279118	A	mm	0
05/03/2006	2006	279118	A	mm	0
06/06/2006	2006	279118	A	mm	0
07/11/2006	2006	279118	A	mm	0
08/14/2006	2006	279118	A	mm	0
09/07/2006	2006	279118	A	mm	0

10/11/2006	2006	279118	A	mm	0
11/03/2006	2006	279118	A	mm	0
12/06/2006	2006	279118	A	mm	0
01/08/2007	2006	279118	A	mm	0
02/05/2007	2007	279118	A	mm	0
03/05/2007	2007	279118	A	mm	0
04/06/2007	2007	279118	A	mm	0
05/01/2007	2007	279118	A	mm	0
06/01/2007	2007	279118	A	mm	0
07/09/2007	2007	279118	A	mm	0
08/03/2007	2007	279118	A	mm	0
09/06/2007	2007	279118	A	mm	0
10/09/2007	2007	279118	A	mm	0
11/08/2007	2007	279118	A	mm	0
12/05/2007	2007	279118	A	mm	0
01/04/2008	2007	279118	A	mm	0
02/08/2008	2008	279118	A	mm	0
03/10/2008	2008	279118	A	mm	0
04/08/2008	2008	279118	A	mm	0
05/12/2008	2008	279118	A	mm	0
06/06/2008	2008	279118	A	mm	0
07/06/2008	2008	279118	A	mm	0
08/06/2008	2008	279118	A	mm	0
09/08/2008	2008	279118	A	mm	0
10/01/2008	2008	279118	A	rp	0
11/07/2008	2008	279118	A	mm	0
12/01/2008	2008	279118	A	rp	0
01/01/2009	2008	279118	A	da	0
02/01/2009	2009	279118	A	mm	0
03/01/2009	2009	279118	A	mm	0
04/01/2009	2009	279118	A	mm	0
05/01/2009	2009	279118	A	mm	0
06/01/2009	2009	279118	A	mm	0
07/01/2009	2009	279118	A	mm	0
08/01/2009	2009	279118	A	mm	0
09/01/2009	2009	279118	A	mm	0
10/01/2009	2009	279118	A	mm	0
11/01/2009	2009	279118	A	mm	0
12/01/2009	2009	279118	A	mm	0
01/01/2010	2009	279118	A	mm	0
02/01/2010	2010	279118	A	mm	0
03/10/2010	2010	279118	A	mm	0
04/01/2010	2010	279118	A	mm	0
05/01/2010	2010	279118	A	mm	0
06/01/2010	2010	279118	A	mm	0
07/01/2010	2010	279118	A	mm	0
08/01/2010	2010	279118	A	mm	0

09/01/2010	2010	279118	A	mm		0
10/01/2010	2010	279118	A	mm		0
11/01/2010	2010	279118	A	mm		0
12/01/2010	2010	279118	A	mm		0
01/01/2011	2010	279118	A	mm		0
02/01/2011	2011	279118	A	mm		0
03/01/2011	2011	279118	A	mm		0
04/01/2011	2011	279118	A	mm		0
05/01/2011	2011	279118	A	mm		0
06/01/2011	2011	279118	A	mm		0
07/01/2011	2011	279118	A	mm		0
08/01/2011	2011	279118	A	mm		0
09/01/2011	2011	279118	A	mm		0
10/01/2011	2011	279118	A	mm		0
11/01/2011	2011	279118	A	mm		0
12/01/2011	2011	279118	A	mm		0
01/01/2012	2011	279118	A	mm		0
02/01/2012	2012	279118	A	mm		0
03/01/2012	2012	279118	A	mm		0
04/01/2012	2012	279118	A	mm		0
05/01/2012	2012	279118	A	mm		0
08/01/2012	2012	279118	A	mm		0
09/01/2012	2012	279118	A	mm		0
10/01/2012	2012	279118	A	mm		0
11/01/2012	2012	279118	A	mm		0
12/01/2012	2012	279118	A	mm		0
01/01/2013	2012	279118	A	mm		0
02/01/2013	2013	279118	A	mm		0
03/01/2013	2013	279118	A	mm		0
04/01/2013	2013	279118	A	sm		0
05/01/2013	2013	279118	A	sm		0
06/01/2013	2013	279118	A	mm		0
08/01/2013	2013	279118	A	sm		0
09/01/2013	2013	279118	A	ad		0
10/01/2013	2013	279118	A	ad		0
11/01/2013	2013	279118	A	ad		0
10/01/2014	2014	279118	A	dc		0
11/01/2014	2014	279118	A	dc		0
02/01/2015	2014	279118	A	ad	RDGS SENT 0	0
03/01/2015	2015	279118	A	ad		0
09/01/2015	2015	279118	A	dc		0
10/06/2015	2015	279118	A	dc		0
12/03/2015	2015	279118	A	dc		0
01/04/2016	2015	279118	A	dc		0
02/01/2016	2015	279118	A	bf		0
03/01/2016	2016	279118	A	bf		0
05/01/2016	2016	279118	A	bf		0

07/01/2016	2016	279118	A	dc	0
08/01/2016	2016	279118	A	dc	0
09/01/2016	2016	279118	A	dc	0
12/01/2016	2016	279118	A	dc	0
01/01/2017	2016	279118	A	bf	0
02/01/2017	2017	279118	A	dc	0
05/01/2017	2017	279118	A	bf	0
06/02/2017	2017	279118	A	bf	0
08/01/2017	2017	279118	A	dc	0
10/02/2017	2017	279118	A	cb	0

**YTD Meter Amounts:	Year	Amount
	2000	265.669
	2001	183.097
	2002	16.129
	2003	27.118
	2004	34.709
	2005	0
	2006	0
	2007	0
	2008	0
	2009	0
	2010	0
	2011	0
	2012	0
	2013	0
	2014	0
	2015	0
	2016	0
	2017	0

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LRG 01905 S-3	4	1	4	27	22S	01E	328289	3582156*

Driller License:		Driller Company:			
Driller Name:	GUFFEY				
Drill Start Date:	05/18/1979	Drill Finish Date:	05/18/1979	Plug Date:	
Log File Date:		PCW Rcv Date:		Source:	Shallow
Pump Type:	SUBMER	Pipe Discharge Size:	4"	Estimated Yield:	800 GPM
Casing Size:	10.75	Depth Well:	503 feet	Depth Water:	16 feet

Meter Number:	3742	Meter Make:	SIEMENS
Meter Serial Number:	12250027	Meter Multiplier:	1000.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/13/2000	2000	341051	A	mm		0
09/14/2000	2000	341051	A	mm		0
01/11/2001	2000	341051	A	mm		0
03/05/2001	2001	341051	A	mm		0
03/14/2001	2001	341051	A	mm		0
04/09/2001	2001	341051	A	mm		0
06/07/2001	2001	341051	A	mm		0
07/09/2001	2001	341051	A	mm		0
08/13/2001	2001	341051	A	mm		0
09/10/2001	2001	341051	A	mm		0
10/12/2001	2001	341051	A	mm		0
11/09/2001	2001	341051	A	mm		0
12/13/2001	2001	341051	A	mm		0
01/11/2002	2001	341051	A	mm		0
02/15/2002	2002	341051	A	mm		0
03/28/2002	2002	341051	A	mm		0
04/10/2002	2002	341051	A	mm		0
05/14/2002	2002	341051	A	mm		0
06/14/2002	2002	341051	A	mm		0
07/11/2002	2002	341051	A	mm		0
08/12/2002	2002	341051	A	mm		0
09/10/2002	2002	341051	A	mm		0

10/15/2002	2002	341051	A	mm		0
11/19/2002	2002	341051	A	mm		0
12/10/2002	2002	341051	A	mm		0
01/13/2003	2002	341051	A	mm		0
02/10/2003	2003	341051	A	mm		0
03/10/2003	2003	341051	A	mm		0
04/03/2003	2003	341051	A	mm		0
05/06/2003	2003	341051	A	mm		0
06/04/2003	2003	341051	A	mm		0
07/07/2003	2003	341051	A	mm		0
08/11/2003	2003	341051	A	mm		0
09/05/2003	2003	341051	A	mm		0
10/08/2003	2003	341051	A	mm		0
11/12/2003	2003	341051	A	mm		0
12/10/2003	2003	341051	A	mm		0
01/14/2004	2003	341051	A	mm		0
02/06/2004	2004	341051	A	mm		0
03/15/2004	2004	341051	A	mm		0
04/14/2004	2004	341051	A	mm		0
05/13/2004	2004	341051	A	mm		0
06/08/2004	2004	341051	A	mm		0
07/12/2004	2004	341051	A	mm		0
08/11/2004	2004	341051	A	mm		0
09/15/2004	2004	341051	A	mm		0
10/14/2004	2004	341051	A	mm		0
12/23/2004	2004	341051	A	mm		0
01/06/2005	2004	341051	A	mm		0
02/07/2005	2005	341051	A	mm		0
03/07/2005	2005	341051	A	mm		0
04/07/2005	2005	341051	A	mm		0
05/05/2005	2005	341051	A	mm		0
06/06/2005	2005	341051	A	mm		0
07/06/2005	2005	341051	A	mm		0
08/08/2005	2005	341051	A	mm		0
09/08/2005	2005	341051	A	mm		0
10/13/2005	2005	341051	A	mm		0
11/09/2005	2005	341051	A	mm		0
12/09/2005	2005	341051	A	mm		0
01/06/2006	2005	341051	A	mm		0
02/13/2006	2006	341051	A	mm		0
03/30/2006	2006	341051	A	mm		0
04/05/2006	2006	341051	A	mm		0
05/03/2006	2006	341051	A	mm		0
06/06/2006	2006	341051	A	mm		0
07/11/2006	2006	341051	A	mm		0
07/12/2006	2006	100	A	rs	INITIAL READING SEE LETTER	0

08/14/2006	2006	3811	A	rs	11.389
09/07/2006	2006	3811	A	rs	0
10/11/2006	2006	3811	A	rs	0
11/03/2006	2006	3811	A	rs	0
12/06/2006	2006	13661	A	rs	30.229
01/08/2007	2006	18702	A	rs	15.470
02/05/2007	2007	23144	A	rs	13.632
03/05/2007	2007	29018	A	rs	18.027
04/06/2007	2007	47490	A	rs	56.688
05/01/2007	2007	62478	A	rs	45.996
06/01/2007	2007	64603	A	rs	6.521
07/09/2007	2007	74118	A	rs	29.200
08/03/2007	2007	82251	A	rs	24.959
09/06/2007	2007	86123	A	rs	11.883
10/09/2007	2007	86123	A	rs	0
11/08/2007	2007	86123	A	rs	0
12/05/2007	2007	86123	A	rs	0
01/01/2008	2007	90675	A	rs	13.970
02/01/2008	2008	103321	A	rs	38.809
03/21/2008	2008	133384	A	rs	92.260
04/08/2008	2008	139600	A	rs	19.076
05/12/2008	2008	143935	A	rs	13.304
06/06/2008	2008	148265	A	rs	13.288
07/06/2008	2008	161310	A	rs	40.034
08/06/2008	2008	166920	A	rs	17.216
09/08/2008	2008	170130	A	rs	9.851
10/01/2008	2008	171773	A	rs	5.042
11/07/2008	2008	172062	A	rs	0.887
12/01/2008	2008	176892	A	rs	14.823
01/01/2009	2008	186850	A	rs	30.560
02/01/2009	2009	200161	A	rs	40.850
03/01/2009	2009	213995	A	rs	42.455
04/01/2009	2009	232454	A	rs	56.649
05/01/2009	2009	241198	A	rs	26.834
06/01/2009	2009	250775	A	rs	29.391
07/01/2009	2009	263791	A	rs	39.945
08/01/2009	2009	275820	A	rs	36.916
09/01/2009	2009	285748	A	rs	30.468
10/01/2009	2009	289278	A	rs	10.833
11/01/2009	2009	292217	A	rs	9.019
12/01/2009	2009	292572	A	rs	1.089
01/01/2010	2009	292572	A	rs	0
02/01/2010	2010	292572	A	rs	0
03/10/2010	2010	293285	A	rs	2.188
04/01/2010	2010	293931	A	rs	1.983
05/01/2010	2010	301651	A	rs	23.692
06/01/2010	2010	318632	A	rs	52.113

07/01/2010	2010	332150	A	rs	41.485
08/01/2010	2010	340402	A	rs	25.324
09/01/2010	2010	346351	A	rs	18.257
10/01/2010	2010	355961	A	rs	29.492
11/01/2010	2010	360564	A	rs	14.126
12/01/2010	2010	360588	A	rs	0.074
01/01/2011	2010	360590	A	rs	0.006
02/01/2011	2010	360590	A	rs	0
03/01/2011	2011	363682	A	rs	9.489
04/01/2011	2011	367733	A	rs	12.432
05/01/2011	2011	368602	A	rs	2.667
06/01/2011	2011	368602	A	rs	0
07/01/2011	2011	368747	A	rs	0.445
08/01/2011	2011	369202	A	rs	1.396
09/01/2011	2011	374390	A	rs	15.921
10/01/2011	2011	390880	A	rs	50.606
11/01/2011	2011	403223	A	rs	37.879
12/01/2011	2011	407957	A	rs	14.528
01/01/2012	2011	415720	A	rs	23.824
02/01/2012	2012	425022	A	rs	28.547
03/01/2012	2012	437065	A	rs	36.959
04/01/2012	2012	448228	A	rs	34.258
05/01/2012	2012	454266	A	rs	18.530
08/01/2012	2012	497464	A	rs	132.570
09/01/2012	2012	512613	A	rs	46.491
10/01/2012	2012	515086	A	rs	7.589
11/01/2012	2012	520323	A	rs	16.072
12/01/2012	2012	520578	A	rs	0.783
01/01/2013	2012	520578	A	rs	0
02/01/2013	2013	520578	A	rs	0
03/01/2013	2013	520578	A	rs	0
04/01/2013	2013	527380	A	rs	20.875
05/01/2013	2013	528633	A	rs	3.845
06/01/2013	2013	531980	A	rs	10.272
08/01/2013	2013	534884	A	rs	8.912
09/01/2013	2013	543758	A	rs	27.233
10/01/2013	2013	543797	A	rs	0.120
11/01/2013	2013	543797	A	rs	0
01/02/2014	2013	543797	A	rs	0
03/01/2014	2014	544527	A	rs	2.240
04/01/2014	2014	546970	A	rs	7.497
05/01/2014	2014	555022	A	rs	24.711
06/01/2014	2014	559470	A	rs	13.650
08/01/2014	2014	559706	A	rs	0.724
09/01/2014	2014	559706	A	rs	0
10/01/2014	2014	561598	A	rs	5.806
11/01/2014	2014	568327	A	rs	20.651

12/01/2014	2014	568461	A	rs		0.411
01/01/2015	2014	568461	A	rs		0
02/03/2015	2015	0	A	rs	INITIAL READING FROM FIELD CHK	0
03/01/2015	2015	9400	A	rs		28.848
03/02/2015	2015	0	A	rs	FIX	0
05/01/2015	2015	4417	A	rs		13.555
06/01/2015	2015	5847	A	rs		4.389
07/01/2015	2015	5847	A	rs		0
08/01/2015	2015	5847	A	rs		0
09/01/2015	2015	5847	A	rs		0
10/06/2015	2015	5847	A	rs		0
12/03/2015	2015	5847	A	rs		0
01/04/2016	2015	5847	A	rs		0
02/01/2016	2016	5847	A	rs		0
03/01/2016	2016	5909	A	rs		0.191
04/01/2016	2016	5909	A	rs		0
05/01/2016	2016	5909	A	rs		0
05/31/2016	2016	0	A	rs	INITIAL READING	0
06/02/2016	2016	0	A	rs		0
07/01/2016	2016	0	A	rs		0
08/01/2016	2016	117	A	rs		0.358
09/01/2016	2016	117	A	rs		0
10/01/2016	2016	15723	A	rs		47.893
11/01/2016	2016	31111	A	rs		47.225
12/01/2016	2016	44258	A	rs		40.345
01/01/2017	2016	54253	A	rs		30.674
02/01/2017	2017	61153	A	dc		21.177
03/01/2017	2017	70758	A	bf		29.476
04/01/2017	2017	85983	A	dc		46.724
06/01/2017	2017	102067	A	bf		49.360
07/01/2017	2017	134619	A	dc		99.898
08/01/2017	2017	149240	A	dc		44.870
09/01/2017	2017	164554	A	dc		46.999
10/02/2017	2017	178554	A	cb		42.964

**YTD Meter Amounts:	Year	Amount
	2000	0
	2001	0
	2002	0
	2003	0
	2004	0
	2005	0
	2006	57.088
	2007	220.876
	2008	295.150
	2009	324.449

2010	208.740
2011	169.187
2012	321.799
2013	71.257
2014	75.690
2015	46.792
2016	166.686
2017	381.468

*UTM location was derived from PLSS - see Help

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LRG 01905 S-4							329768	3583041

Driller License:	663	Driller Company:	COLE DRILLING COMPANY		
Driller Name:	GUFFEY				
Drill Start Date:	08/11/1982	Drill Finish Date:	09/14/1982	Plug Date:	
Log File Date:	09/20/1982	PCW Rcv Date:	04/09/1984	Source:	Shallow
Pump Type:	TURBIN	Pipe Discharge Size:	4"	Estimated Yield:	500 GPM
Casing Size:	8.00	Depth Well:	425 feet	Depth Water:	16 feet

Water Bearing Stratifications:	Top	Bottom	Description
	325	425	Shallow Alluvium/Basin Fill

Casing Perforations:	Top	Bottom
	325	425

Meter Number:	3743	Meter Make:	SIEMENS
Meter Serial Number:	548003	Meter Multiplier:	1000.0000
Number of Dials:	5	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/13/2000	2000	703008	A	mm		0
01/11/2001	2000	188801	R	mm	Meter Rollover	149.084
03/05/2001	2001	308479	A	mm		36.728
03/14/2001	2001	424500	A	mm		35.606
04/09/2001	2001	553395	A	mm		39.556
06/07/2001	2001	673405	A	mm		36.830
06/07/2001	2001	786996	A	mm		34.860
07/09/2001	2001	822938	A	mm		11.030
08/13/2001	2001	948070	A	mm		38.402
09/10/2001	2001	75299	R	mm	Meter Rollover	39.045
10/12/2001	2001	195612	A	mm		36.923
11/09/2001	2001	320879	A	mm		38.443
12/13/2001	2001	434887	A	mm		34.988
01/11/2002	2001	451687	A	mm		5.156
02/15/2002	2002	457048	A	mm		1.645
03/28/2002	2002	601293	A	mm		44.267
04/10/2002	2002	715721	A	mm		35.117

05/14/2002	2002	829486	A	mm		34.913
06/14/2002	2002	936855	A	mm		32.950
07/11/2002	2002	30083	R	mm	Meter Rollover	28.611
08/12/2002	2002	131094	A	mm		30.999
09/10/2002	2002	235997	A	mm		32.194
10/15/2002	2002	306924	A	mm		21.767
11/19/2002	2002	387157	A	mm		24.623
12/10/2002	2002	456193	A	mm		21.186
01/13/2003	2002	516972	A	mm		18.652
02/10/2003	2003	576339	A	mm		18.219
03/10/2003	2003	622171	A	mm		14.065
04/03/2003	2003	635564	A	mm		4.110
05/06/2003	2003	635564	A	mm		0
06/04/2003	2003	658376	A	mm		7.001
07/07/2003	2003	752227	A	mm		28.802
08/11/2003	2003	858042	A	mm		32.473
09/05/2003	2003	957286	A	mm		30.457
10/08/2003	2003	53005	R	mm	Meter Rollover	29.375
11/12/2003	2003	145945	A	mm		28.522
12/10/2003	2003	202958	A	mm		17.497
01/14/2004	2004	3294606	A	mm		0
02/06/2004	2004	3392206	A	mm		29.952
03/15/2004	2004	3485137	A	mm		28.519
04/14/2004	2004	3581826	A	mm		29.673
05/13/2004	2004	3671508	A	mm		27.522
06/08/2004	2004	3763942	A	mm		28.367
07/12/2004	2004	3855463	A	mm		28.087
08/11/2004	2004	3941159	A	mm		26.299
09/15/2004	2004	4003416	A	mm		19.106
11/09/2004	2004	4067451	A	mm		19.652
12/23/2004	2004	4103615	A	mm		11.098
01/06/2005	2004	4120982	A	mm		5.330
02/07/2005	2005	4153449	A	mm		9.964
03/07/2005	2005	4165330	A	mm		3.646
04/07/2005	2005	4246095	A	mm		24.786
05/05/2005	2005	4275559	A	mm		9.042
06/06/2005	2005	4364741	A	mm		27.369
07/06/2005	2005	4439220	A	mm		22.857
08/08/2005	2005	4532040	A	mm		28.485
09/08/2005	2005	4607181	A	mm		23.060
10/13/2005	2005	4695728	A	mm		27.174
11/09/2005	2005	4784731	A	mm		27.314
12/09/2005	2005	4877836	A	mm		28.573
01/06/2006	2005	4974530	A	mm		29.674
02/13/2006	2006	5071644	A	mm		29.803
03/30/2006	2006	5154985	A	mm		25.576
04/05/2006	2006	5160044	A	mm		1.553

05/03/2006	2006	5164474	A	mm		1.360
06/06/2006	2006	5229172	A	mm		19.855
07/11/2006	2006	5352336	A	mm		37.798
08/01/2006	2006	5459112	A	mm		32.768
09/01/2006	2006	5572396	A	mm		34.766
10/10/2006	2006	5682956	A	mm		33.930
11/01/2006	2006	5795013	A	mm		34.389
12/01/2006	2006	5895158	A	mm		30.733
01/01/2007	2006	5984385	A	mm		27.383
02/01/2007	2007	6079858	A	mm		29.300
03/01/2007	2007	6177876	A	mm		30.081
04/01/2007	2007	6266699	A	mm		27.259
05/01/2007	2007	6332609	A	mm		20.227
06/01/2007	2007	6422564	A	mm		27.606
07/09/2007	2007	6503940	A	mm		24.973
08/03/2007	2007	6550136	A	mm		14.177
09/06/2007	2007	6631161	A	mm		24.866
10/09/2007	2007	6674832	A	mm		13.402
11/08/2007	2007	6681509	A	mm		2.049
12/05/2007	2007	6724099	A	mm		13.070
01/04/2008	2008	0	A	mm		0
02/08/2008	2008	98089	A	mm		30.102
03/07/2008	2008	182878	A	mm		26.021
04/08/2008	2008	281293	A	mm		30.202
05/12/2008	2008	356546	A	mm		23.094
06/06/2008	2008	431521	A	mm		23.009
07/06/2008	2008	516421	A	mm		26.055
08/06/2008	2008	582266	A	mm		20.207
09/08/2008	2008	640186	A	mm		17.775
10/01/2008	2008	679880	A	rp		12.182
11/07/2008	2008	712004	A	mm		9.858
12/01/2008	2008	763682	A	rp		15.859
01/01/2009	2008	849014	A	sg		26.187
02/01/2009	2009	948129	A	mm		30.417
03/01/2009	2009	33282	R	mm	Meter Rollover	26.132
04/01/2009	2009	130121	A	mm		29.719
05/01/2009	2009	217211	A	mm		26.727
06/01/2009	2009	297834	A	mm		24.742
07/01/2009	2009	382385	A	mm		25.948
08/01/2009	2009	460974	A	mm		24.118
09/01/2009	2009	539572	A	mm		24.121
10/01/2009	2009	604041	A	mm		19.785
11/01/2009	2009	642993	A	mm		11.954
12/01/2009	2009	675047	A	mm		9.837
01/01/2010	2009	716920	A	mm		12.850
02/01/2010	2010	749379	A	mm		9.961
03/10/2010	2010	785785	A	mm		11.173

04/01/2010	2010	834717	A	mm		15.017
05/01/2010	2010	895957	A	mm		18.794
06/01/2010	2010	980620	A	mm		25.982
07/01/2010	2010	33329	R	mm	Meter Rollover	16.176
08/01/2010	2010	33329	A	mm		0
09/01/2010	2010	33329	A	mm		0
10/01/2010	2010	33329	A	mm		0
11/01/2010	2010	33329	A	mm		0
12/01/2010	2010	33329	A	mm		0
01/01/2011	2010	37753	A	mm		1.358
01/01/2011	2011	3775325	A	mm		0
02/01/2011	2011	6484247	A	mm		8.313
03/01/2011	2011	6484247	A	mm		0
04/01/2011	2011	16225300	A	mm		29.894
05/01/2011	2011	32521690	A	mm		50.012
06/01/2011	2011	49016900	A	mm		50.622
06/02/2011	2011	49520812	A	mm		1.546
07/01/2011	2011	62312496	A	mm		39.256
08/01/2011	2011	77956050	A	mm		48.008
09/01/2011	2011	93808587	A	mm		48.650
10/01/2011	2011	8707670	A	mm		26.723
10/01/2011	2011	0	A	mm		0
11/01/2011	2011	23620528	A	mm		45.766
12/01/2011	2011	39158783	A	mm		47.685
01/01/2012	2011	54272842	A	mm		46.383
02/01/2012	2012	83142600	A	mm		42.164
02/01/2012	2012	69403429	A	mm		46.434
04/01/2012	2012	93604442	A	mm		32.106
05/01/2012	2012	3795964	R	mm	Meter Rollover	31.277
08/01/2012	2012	12931680	A	mm		28.036
10/01/2012	2012	24963705	A	mm		36.925
11/01/2012	2012	40999734	A	mm		49.213
12/01/2012	2012	55922026	A	mm		45.795
01/01/2013	2012	71450969	A	mm		47.657
02/01/2013	2013	87124888	A	mm		48.101
03/01/2013	2013	1044013	R	mm	Meter Rollover	42.716
04/01/2013	2013	16899204	A	sm		48.658
05/01/2013	2013	28564923	A	sm		35.801
06/01/2013	2013	36641447	A	mm		24.786
08/01/2013	2013	59702317	A	sm		70.771
09/01/2013	2013	72465896	A	ad		39.170
10/01/2013	2013	83988889	A	ad		35.363
11/01/2013	2013	94500583	A	ad		32.259
01/02/2014	2013	97701662	A	ad		9.824
01/09/2014	2014	99917866	A	dc		6.801
01/10/2014	2014	32134	R	dc	Meter Rollover	0.351
02/03/2014	2014	5254940	A	dc		16.028

03/01/2014	2014	14532615	A	dc		28.472
04/01/2014	2014	29208532	A	dc		45.039
05/01/2014	2014	43432091	A	dc		43.650
06/01/2014	2014	57491310	A	dc		43.146
07/01/2014	2014	69100228	A	dc		35.626
08/01/2014	2014	82088561	A	dc		39.860
09/01/2014	2014	96671713	A	dc		44.754
09/05/2014	2014	98554578	A	dc		5.778
09/09/2014	2014	875	R	dc	Meter Rollover	4.439
10/01/2014	2014	10219825	A	dc		31.361
11/01/2014	2014	24486611	A	dc		43.783
12/01/2014	2014	38555897	A	dc		43.177
01/01/2015	2014	51614701	A	dc		40.076
02/01/2015	2015	61110194	A	dc		29.141
03/01/2015	2015	68566079	A	dc		22.881
04/01/2015	2015	77292275	A	dc		26.780
05/01/2015	2015	91202449	A	dc		42.689
05/19/2015	2015	99550743	A	dc		25.620
06/01/2015	2015	5471128	R	dc	Meter Rollover	18.169
07/01/2015	2015	19328354	A	dc		42.526
08/01/2015	2015	32740482	A	dc		41.160
09/01/2015	2015	46993159	A	dc		43.740
10/06/2015	2015	60627357	A	dc		41.842
11/01/2015	2015	73663013	A	dc		40.005
12/03/2015	2015	87630273	A	dc		42.864
01/04/2016	2015	99771126	A	dc		37.259
02/01/2016	2016	9521629	R	dc	Meter Rollover	29.923
03/01/2016	2016	22540633	A	bf		39.954
04/01/2016	2016	30120302	A	dc		23.261
05/01/2016	2016	30120302	A	bf		0
06/23/2016	2016	0	A	dc	INITIAL RDG	0
07/25/2016	2016	9061	A	dc		27.808
08/01/2016	2016	11456	A	dc		7.348
09/01/2016	2016	14485	A	dc		9.296
10/01/2016	2016	14485	A	dc		0
11/01/2016	2016	14485	A	dc		0
12/01/2016	2016	14485	A	dc		0
01/01/2017	2016	14485	A	bf		0
02/01/2017	2017	14485	A	dc		0
03/01/2017	2017	14485	A	bf		0
04/01/2017	2017	14485	A	dc		0
05/01/2017	2017	27002	A	bf		38.414
06/01/2017	2017	38895	A	bf		36.500
07/01/2017	2017	49087	A	dc		31.277
08/01/2017	2017	60122	A	dc		33.865
09/01/2017	2017	76527	A	dc		50.344
10/02/2017	2017	91192	A	cb		45.005

**YTD Meter Amounts:	Year	Amount
	2000	149.084
	2001	387.567
	2002	326.924
	2003	210.521
	2004	253.605
	2005	261.944
	2006	309.914
	2007	227.010
	2008	260.551
	2009	266.350
	2010	98.461
	2011	442.858
	2012	359.607
	2013	387.449
	2014	472.341
	2015	454.676
	2016	137.590
	2017	235.405

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LRG 01905 S-5							328551	3584227

Driller License:	1034	Driller Company:	GUFFEY, R.L. INC.		
Driller Name:	GUFFEY, R.L. INC.				
Drill Start Date:	05/01/1987	Drill Finish Date:	05/01/1987	Plug Date:	
Log File Date:	07/23/1987	PCW Rcv Date:	07/07/1989	Source:	Shallow
Pump Type:	TURBIN	Pipe Discharge Size:	4"	Estimated Yield:	
Casing Size:		Depth Well:	716 feet	Depth Water:	10 feet

Water Bearing Stratifications:	Top	Bottom	Description
	340	590	Sandstone/Gravel/Conglomerate

Meter Number:	3744	Meter Make:	SIEMENS
Meter Serial Number:	12250015	Meter Multiplier:	1000.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/13/2000	2000	45435	A	mm		0
01/11/2001	2000	87601	A	mm		129.403
03/05/2001	2001	87601	A	mm		0
03/14/2001	2001	87601	A	mm		0
04/09/2001	2001	90536	A	mm		9.007
06/07/2001	2001	98328	A	mm		23.913
06/07/2001	2001	102373	A	mm		12.414
07/09/2001	2001	110704	A	mm		25.567
08/13/2001	2001	122205	A	mm		35.295
09/10/2001	2001	124995	A	mm		8.562
10/12/2001	2001	124995	A	mm		0
11/09/2001	2001	136201	A	mm		34.390
12/13/2001	2001	141036	A	mm		14.838
01/11/2002	2001	141036	A	mm		0
02/15/2002	2002	141036	A	mm		0
03/28/2002	2002	141036	A	mm		0
04/10/2002	2002	150517	A	mm		29.096
05/14/2002	2002	163812	A	mm		40.801
06/14/2002	2002	177253	A	mm		41.249

07/11/2002	2002	190939	A	mm	42.001
08/12/2002	2002	201712	A	mm	33.061
09/10/2002	2002	211311	A	mm	29.458
10/15/2002	2002	220653	A	mm	28.670
11/12/2002	2002	230849	A	mm	31.290
12/10/2002	2002	240980	A	mm	31.091
01/13/2003	2002	250101	A	mm	27.991
02/10/2003	2003	254117	A	mm	12.325
03/10/2003	2003	254117	A	mm	0
04/03/2003	2003	259966	A	mm	17.950
05/06/2003	2003	270010	A	mm	30.824
06/04/2003	2003	281782	A	mm	36.127
07/07/2003	2003	292213	A	mm	32.012
08/11/2003	2003	302592	A	mm	31.852
09/05/2003	2003	313123	A	mm	32.318
10/08/2003	2003	321665	A	mm	26.214
11/12/2003	2003	325452	A	mm	11.622
12/10/2003	2003	325465	A	mm	0.040
01/14/2004	2003	329460	A	mm	12.260
04/14/2004	2004	336725	A	mm	22.295
04/15/2004	2004	12	A	mm	0
06/08/2004	2004	14470	A	mm	44.370
07/12/2004	2004	40777	A	mm	80.733
08/11/2004	2004	63265	A	mm	69.013
09/15/2004	2004	88432	A	mm	77.235
11/09/2004	2004	113207	A	mm	76.032
12/23/2004	2004	158875	A	mm	140.150
01/06/2005	2004	180659	A	mm	66.853
02/07/2005	2005	200769	A	mm	61.715
03/07/2005	2005	219152	A	mm	56.415
04/07/2005	2005	220789	A	mm	5.024
05/05/2005	2005	222334	A	mm	4.741
06/06/2005	2005	230645	A	mm	25.506
07/06/2005	2005	245943	A	mm	46.948
08/08/2005	2005	265014	A	mm	58.527
09/08/2005	2005	273255	A	mm	25.291
10/13/2005	2005	282573	A	mm	28.596
11/09/2005	2005	303009	A	mm	62.716
12/09/2005	2005	322842	A	mm	60.865
01/06/2006	2005	342391	A	mm	59.994
02/13/2006	2006	361538	A	mm	58.760
03/30/2006	2006	378944	A	mm	53.417
04/05/2006	2006	387225	A	mm	25.413
05/03/2006	2006	401350	A	mm	43.348
06/06/2006	2006	418276	A	mm	51.944
07/11/2006	2006	433436	A	mm	46.524
08/14/2006	2006	439458	A	mm	18.481

09/07/2006	2006	439458	A	mm	0
10/11/2006	2006	439458	A	mm	0
11/03/2006	2006	439458	A	mm	0
12/06/2006	2006	439458	A	mm	0
01/08/2007	2006	439458	A	mm	0
02/01/2007	2007	439458	A	mm	0
03/01/2007	2007	439458	A	mm	0
04/01/2007	2007	439458	A	mm	0
05/01/2007	2007	439458	A	mm	0
06/01/2007	2007	439458	A	mm	0
07/09/2007	2007	439458	A	mm	0
08/03/2007	2007	441353	A	mm	5.816
09/06/2007	2007	442873	A	mm	4.665
10/09/2007	2007	444220	A	mm	4.134
11/08/2007	2007	444220	A	mm	0
12/05/2007	2007	452330	A	mm	24.889
01/04/2008	2007	467693	A	mm	47.147
02/08/2008	2008	470697	A	mm	9.219
03/12/2008	2008	470697	A	mm	0
04/30/2008	2008	470697	A	mm	0
05/12/2008	2008	470697	A	mm	0
06/06/2008	2008	470697	A	mm	0
07/06/2008	2008	506696	A	mm	110.477
08/08/2008	2008	514066	A	mm	22.618
09/08/2008	2008	514066	A	mm	0
10/01/2008	2008	514066	A	rp	0
11/07/2008	2008	514066	A	mm	0
12/01/2008	2008	514066	A	rp	0
01/01/2009	2008	514066	A	sg	0
02/01/2009	2009	514066	A	mm	0
03/01/2009	2009	514066	A	mm	0
04/01/2009	2009	514066	A	mm	0
05/01/2009	2009	534750	A	mm	63.477
06/01/2009	2009	574332	A	mm	121.473
07/01/2009	2009	612224	A	mm	116.286
08/01/2009	2009	626666	A	mm	44.321
09/01/2009	2009	626666	A	mm	0
10/01/2009	2009	627077	A	mm	1.261
11/01/2009	2009	627077	A	mm	0
12/01/2009	2009	627077	A	mm	0
01/01/2010	2009	627077	A	mm	0
02/02/2010	2010	627077	A	mm	0
03/10/2010	2010	627077	A	mm	0
04/01/2010	2010	627077	A	mm	0
05/01/2010	2010	627077	A	mm	0
06/01/2010	2010	627077	A	mm	0
07/01/2010	2010	665022	A	mm	116.449

08/01/2010	2010	701029	A	mm		110.501
09/01/2010	2010	733299	A	mm		99.033
10/01/2010	2010	733299	A	mm		0
11/01/2010	2010	733299	A	mm		0
12/01/2010	2010	733367	A	mm		0.209
01/01/2011	2010	733367	A	mm		0
02/01/2011	2011	733367	A	mm		0
03/01/2011	2011	733367	A	mm		0
04/01/2011	2011	733367	A	mm		0
05/01/2011	2011	750044	A	mm		51.180
06/01/2011	2011	791537	A	mm		127.337
07/01/2011	2011	830427	A	mm		119.349
08/01/2011	2011	865840	A	mm		108.679
09/01/2011	2011	879256	A	mm		41.172
10/01/2011	2011	1090990	A	mm		0.650
11/01/2011	2011	24160112	A	mm		70.797
05/01/2012	2012	48550486	A	mm		74.851
08/01/2012	2012	52071485	A	mm		10.806
10/01/2012	2012	13812098	R	mm	Meter Rollover	189.475
11/01/2012	2012	13812098	A	mm		0
12/01/2012	2012	13812098	A	mm		0
01/01/2013	2012	13812098	A	mm		0
02/01/2013	2013	13812098	A	mm		0
03/01/2013	2013	13812098	A	mm		0
04/01/2013	2013	13812098	A	sm		0
05/01/2013	2013	43391246	A	sm		90.775
06/01/2013	2013	80511375	A	mm		113.917
07/23/2013	2013	99396587	A	sm		57.957
08/01/2013	2013	2107168	R	sm	Meter Rollover	8.318
09/01/2013	2013	2107168	A	ad		0
10/01/2013	2013	2107168	A	ad		0
11/01/2013	2013	2107168	A	ad		0
01/02/2014	2013	2107168	A	ad		0
03/01/2014	2014	2107168	A	ad		0
04/01/2014	2014	2107168	A	ad		0
05/01/2014	2014	2107168	A	dc		0
06/01/2014	2014	23972407	A	dc		67.102
08/01/2014	2014	37932576	A	dc		42.842
09/01/2014	2014	37932576	A	dc		0
10/01/2014	2014	37932576	A	dc		0
11/01/2014	2014	37932576	A	dc		0
12/01/2014	2014	37932576	A	cw		0
01/01/2015	2014	39745403	A	ad		5.563
02/01/2015	2015	39745403	A	ad		0
03/01/2015	2015	39745403	A	ad		0
04/01/2015	2015	39745403	A	ad		0
05/01/2015	2015	49989582	A	dc		31.438

06/01/2015	2015	49989582	A	dc		0
07/01/2015	2015	53288100	A	dc		10.123
09/01/2015	2015	53288100	A	dc		0
10/06/2015	2015	53288100	A	dc		0
12/03/2015	2015	53288100	A	dc		0
01/04/2016	2015	53288100	A	dc		0
02/01/2016	2016	53288100	A	bf		0
03/01/2016	2016	53288100	A	bf		0
04/01/2016	2016	53288100	A	dc		0
05/01/2016	2016	53288100	A	bf		0
05/31/2016	2016	0	A	bf	Inital Reading	0
06/02/2016	2016	34	A	bf	FLD CHK w/ DC	0.106
07/01/2016	2016	40	A	dc		0.018
08/01/2016	2016	49188	A	dc		150.827
09/01/2016	2016	49188	A	dc		0
10/01/2016	2016	51259	A	dc		6.358
11/01/2016	2016	54404	A	dc		9.649
12/01/2016	2016	54404	A	dc		0
01/01/2017	2016	54404	A	bf		0
02/01/2017	2017	55730	A	dc		4.070
03/01/2017	2017	55730	A	bf		0
04/01/2017	2017	62517	A	dc		20.829
05/01/2017	2017	65862	A	bf		10.267
06/01/2017	2017	76680	A	bf		33.197
07/01/2017	2017	97410	A	dc		63.619
08/01/2017	2017	109300	A	dc		36.490
09/01/2017	2017	109300	A	dc		0
10/05/2017	2017	109300	A	cb		0

**YTD Meter Amounts:

Year	Amount
2000	129.403
2001	163.986
2002	334.708
2003	243.544
2004	576.681
2005	496.338
2006	297.887
2007	86.651
2008	142.314
2009	346.818
2010	326.192
2011	519.164
2012	275.132
2013	270.967
2014	115.507
2015	41.561
2016	166.958

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	LRG 04250	1	2	1	17	23S	01E		

Driller License:		Driller Company:			
Driller Name:	LAR-JON				
Drill Start Date:	03/31/1978	Drill Finish Date:	03/31/1978	Plug Date:	
Log File Date:		PCW Rcv Date:		Source:	Shallow
Pump Type:	SUBMER	Pipe Discharge Size:		Estimated Yield:	2400 GPM
Casing Size:	12.00	Depth Well:	400 feet	Depth Water:	

Meter Number:	2466	Meter Make:	MCCROMETER
Meter Serial Number:	9970696	Meter Multiplier:	100.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/10/2001	2001	175816	A	mm		0
03/01/2001	2001	175816	A	mm		0
03/29/2001	2001	175816	A	mm		0
05/07/2001	2001	175816	A	mm		0
06/05/2001	2001	175816	A	mm		0
07/03/2001	2001	175816	A	mm		0
08/16/2001	2001	175816	A	mm		0
10/03/2001	2001	175816	A	mm		0
11/09/2001	2001	175934	A	mm		0.036
01/10/2002	2001	175934	A	mm		0
04/04/2002	2002	175934	A	mm		0
05/10/2002	2002	175934	A	mm		0
07/10/2002	2002	175934	A	mm		0
07/31/2002	2002	175934	A	mm		0
10/15/2002	2002	175934	A	mm		0
11/18/2002	2002	175934	A	mm		0
12/10/2002	2002	175934	A	mm		0
01/16/2003	2002	175934	A	mm		0
02/05/2003	2003	175934	A	mm		0
05/27/2003	2003	175934	A	mm		0
06/01/2003	2003	175934	A	mm		0
08/05/2003	2003	175934	A	mm		0

09/19/2003	2003	175934	A	mm	0
10/15/2003	2003	175934	A	mm	0
12/23/2003	2003	175934	A	mm	0
01/16/2004	2003	175934	A	mm	0
02/16/2004	2004	175934	A	mm	0
03/24/2004	2004	175934	A	mm	0
04/21/2004	2004	175934	A	mm	0
06/01/2004	2004	175934	A	mm	0
07/06/2004	2004	175934	A	mm	0
10/14/2004	2004	175934	A	mm	0
12/13/2004	2004	175934	A	mm	0
01/21/2005	2004	175934	A	mm	0
03/08/2005	2005	175934	A	mm	0
04/19/2005	2005	175934	A	mm	0
05/01/2005	2005	175934	A	mm	0
06/01/2005	2005	175934	A	mm	0
07/01/2005	2005	175934	A	mm	0
01/06/2006	2005	175934	A	mm	0
04/17/2006	2006	175934	A	mm	0
04/30/2006	2006	168331	A	mm	0
06/30/2006	2006	168331	A	mm	0
07/31/2006	2006	168331	A	mm	0
08/31/2006	2006	168331	A	mm	0
10/17/2006	2006	168331	A	mm	0
10/30/2006	2006	168331	A	mm	0
11/30/2006	2006	168331	A	mm	0
01/18/2007	2006	168331	A	mm	0
01/31/2007	2007	168331	A	mm	0
02/28/2007	2007	168331	A	mm	0
04/10/2007	2007	168331	A	mm	0
04/30/2007	2007	168331	A	mm	0
05/31/2007	2007	168331	A	mm	0
06/30/2007	2007	168331	A	mm	0
10/31/2007	2007	168331	A	mm	0
11/30/2007	2007	168331	A	mm	0
12/31/2007	2007	168331	A	mm	0
01/31/2008	2008	168331	A	mm	0
02/29/2008	2008	168331	A	mm	0
03/31/2008	2008	168331	A	mm	0
04/30/2008	2008	168331	A	mm	0
05/31/2008	2008	168331	A	mm	0
06/20/2008	2008	168331	A	mm	0
07/31/2008	2008	168331	A	mm	0
08/31/2008	2008	168331	A	mm	0
09/30/2008	2008	168331	A	mm	0
10/31/2008	2008	168331	A	mm	0
11/30/2008	2008	168331	A	mm	0

01/15/2009	2008	168331	A	mm	0
09/04/2015	2015	168331	A	dc	0
10/06/2015	2015	168331	A	dc	0
11/05/2015	2015	168331	A	bf	0
01/04/2016	2015	168331	A	dc	0
02/01/2016	2016	168331	A	bf	0
03/01/2016	2016	168331	A	bf	0
05/01/2016	2016	168331	A	bf	0
12/01/2016	2016	168331	A	dc	0

**YTD Meter Amounts:	Year	Amount
	2001	0.036
	2002	0
	2003	0
	2004	0
	2005	0
	2006	0
	2007	0
	2008	0
	2015	0
	2016	0

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	LRG 04250 S	3	4	1	17	23S	01E	324414	3576084

Driller License:	611	Driller Company:	JOHNSON DRILLING COMPANY		
Driller Name:	JOHNSON, LARRY F.				
Drill Start Date:	05/21/1997	Drill Finish Date:	08/15/1997	Plug Date:	
Log File Date:	10/06/1997	PCW Rcv Date:		Source:	Shallow
Pump Type:	SUBMER	Pipe Discharge Size:		Estimated Yield:	1200 GPM
Casing Size:	12.00	Depth Well:	600 feet	Depth Water:	117 feet

Water Bearing Stratifications:	Top	Bottom	Description
	370	520	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	370	520

Meter Number:	2468	Meter Make:	SIEMENS
Meter Serial Number:	12550039	Meter Multiplier:	1000.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/10/2001	2001	758790	A	mm		0
03/01/2001	2001	838060	A	mm		24.327
03/29/2001	2001	882330	A	mm		13.586
05/07/2001	2001	952610	A	mm		21.568
06/05/2001	2001	102030	R	mm	Meter Rollover	45.855
07/03/2001	2001	111374	A	mm		2.868
08/16/2001	2001	120768	A	mm		2.883
10/03/2001	2001	138533	A	mm		5.452
11/09/2001	2001	145635	A	mm		2.180
12/12/2001	2001	151189	A	mm		1.704
01/11/2002	2001	155458	A	mm		1.310
02/14/2002	2002	155458	A	mm		0
03/06/2002	2002	164426	A	mm		2.752
04/04/2002	2002	168300	A	mm		1.189
07/10/2002	2002	168305	A	mm		0.002
07/31/2002	2002	168309	A	mm		0.001
09/06/2002	2002	168330	A	mm		0.006

10/15/2002	2002	168331	A	mm	0
11/18/2002	2002	168331	A	mm	0
12/10/2002	2002	168333	A	mm	0.001
01/16/2003	2002	168333	A	mm	0
02/05/2003	2003	168333	A	mm	0
03/01/2003	2003	168333	A	mm	0
04/01/2003	2003	168333	A	mm	0
05/01/2003	2003	168333	A	mm	0
06/01/2003	2003	168333	A	mm	0
07/17/2003	2003	168333	A	mm	0
08/05/2003	2003	168333	A	mm	0
09/19/2003	2003	168333	A	mm	0
10/15/2003	2003	168333	A	mm	0
11/19/2003	2003	168333	A	mm	0
12/23/2003	2003	168333	A	mm	0
01/16/2004	2003	168333	A	mm	0
02/16/2004	2004	168333	A	mm	0
03/24/2004	2004	168550	A	mm	0.067
04/21/2004	2004	168550	A	mm	0
06/01/2004	2004	168550	A	mm	0
07/06/2004	2004	168550	A	mm	0
10/28/2004	2004	168550	A	mm	0
12/13/2004	2004	168550	A	mm	0
01/21/2005	2004	168550	A	mm	0
03/08/2005	2005	168550	A	mm	0
04/19/2005	2005	168550	A	mm	0
05/01/2005	2005	168550	A	mm	0
06/01/2005	2005	168550	A	mm	0
07/01/2005	2005	168550	A	mm	0
01/06/2006	2005	168550	A	mm	0
04/17/2006	2006	168550	A	mm	0
04/30/2006	2006	45789	A	mm	0
06/30/2006	2006	61522	A	mm	48.283
07/31/2006	2006	71406	A	mm	30.333
08/31/2006	2006	74403	A	mm	9.197
10/17/2006	2006	83080	A	mm	26.629
10/31/2006	2006	90375	A	mm	22.388
11/30/2006	2006	90375	A	mm	0
01/18/2007	2006	90375	A	mm	0
01/31/2007	2007	91819	A	mm	4.431
02/28/2007	2007	91819	A	mm	0
04/10/2007	2007	91819	A	mm	0
04/30/2007	2007	91819	A	mm	0
04/30/2007	2007	4160124	A	mm	0
05/31/2007	2007	10322189	A	mm	18.911
06/30/2007	2007	16124867	A	mm	17.808
07/31/2007	2007	22707308	A	mm	20.201

08/31/2007	2007	29065154	A	mm		19.512
09/30/2007	2007	32540126	A	mm		10.664
10/31/2007	2007	36840872	A	mm		13.199
11/30/2007	2007	40307540	A	mm		10.639
12/31/2007	2007	42492332	A	mm		6.705
01/31/2008	2008	44191224	A	mm		5.214
02/29/2008	2008	45833760	A	mm		5.041
03/31/2008	2008	45833760	A	mm		0
04/30/2008	2008	45833760	A	mm		0
05/31/2008	2008	49008124	A	mm		9.742
06/30/2008	2008	52217592	A	mm		9.849
07/31/2008	2008	58163092	A	mm		18.246
08/31/2008	2008	66497852	A	mm		25.578
09/30/2008	2008	78498060	A	mm		36.827
10/31/2008	2008	91828416	A	mm		40.909
11/30/2008	2008	84392	A	mm		0
01/15/2009	2008	8630925	A	mm		26.228
01/31/2009	2009	17479234	A	mm		27.154
02/28/2009	2009	23211730	A	mm		17.592
03/31/2009	2009	33581778	A	mm		31.825
04/30/2009	2009	44501040	A	mm		33.510
05/31/2009	2009	57272435	A	mm		39.194
06/30/2009	2009	69886992	A	mm		38.713
07/31/2009	2009	83031064	A	mm		40.338
08/31/2009	2009	94385064	A	mm		34.844
09/30/2009	2009	6058264	R	mm	Meter Rollover	35.824
12/31/2009	2009	32744044	A	mm		81.896
03/31/2010	2010	46702612	A	mm		42.837
06/30/2010	2010	63329388	A	mm		51.026
09/30/2010	2010	98898200	A	mm		109.157
12/31/2010	2010	26124510	A	mm		0
03/31/2011	2011	28061964	A	mm		5.946
06/30/2011	2011	43960260	A	mm		48.790
09/30/2011	2011	67461820	A	mm		72.124
12/31/2011	2011	86563736	A	mm		58.622
03/31/2012	2012	92970088	A	mm		19.660
06/30/2012	2012	39476504	R	mm	Meter Rollover	142.723
09/30/2012	2012	58919568	A	mm		59.669
12/31/2012	2012	79536776	A	mm		63.272
03/31/2013	2013	91444488	A	cw		36.543
06/30/2013	2013	14979670	R	cw	Meter Rollover	72.227
09/30/2013	2013	31113578	A	ad		49.513
12/31/2013	2013	47811764	A	ad		51.245
03/01/2014	2014	55386020	A	ad		23.245
04/01/2014	2014	63216600	A	ad		24.031
05/01/2014	2014	73313329	A	dc		30.986
06/01/2014	2014	77253720	A	dc		12.093

07/01/2014	2014	85028757	A	dc		23.861
08/01/2014	2014	92234056	A	dc		22.112
09/01/2014	2014	98231000	A	dc		18.404
11/01/2014	2014	13678883	R	dc	Meter Rollover	47.408
12/01/2014	2014	17896428	A	cw		12.943
01/01/2015	2014	22185300	A	ad		13.162
02/01/2015	2015	25726980	A	ad		10.869
03/01/2015	2015	29510718	A	ad		11.612
04/01/2015	2015	36998224	A	ad		22.978
05/01/2015	2015	46819928	A	dc		30.142
06/01/2015	2015	57828132	A	dc		33.783
07/13/2015	2015	70244752	A	dc		38.105
08/01/2015	2015	81730712	A	ad		35.249
09/04/2015	2015	93348000	A	dc		35.652
10/06/2015	2015	4309060	R	dc	Meter Rollover	33.638
12/03/2015	2015	20014306	A	dc		48.198
01/04/2016	2015	26129504	A	dc		18.767
02/01/2016	2016	31931958	A	bf		17.807
03/01/2016	2016	38540480	A	bf		20.281
04/01/2016	2016	47417568	A	dc		27.243
05/01/2016	2016	51455576	A	bf		12.392
06/14/2016	2016	0	A	dc	INITIAL RDG	0
07/01/2016	2016	4	A	dc	MTR X MILLION GALS	0.012
08/01/2016	2016	11	A	dc	MTR X MILLION GALS	0.021
09/01/2016	2016	15736	A	dc		48.259
10/01/2016	2016	15736	A	dc		0
11/01/2016	2016	24614	A	dc		27.244
12/01/2016	2016	27885	A	dc		10.038
01/01/2017	2016	30644	A	bf		8.468
02/01/2017	2017	32899	A	dc		6.921
03/01/2017	2017	32899	A	bf		0
04/01/2017	2017	43972	A	dc		33.983
05/01/2017	2017	53475	A	bf		29.161
06/01/2017	2017	66151	A	bf		38.903
07/01/2017	2017	74473	A	dc		25.539
08/01/2017	2017	84273	A	dc		30.076
09/01/2017	2017	93798	A	dc		29.231

**YTD Meter Amounts:	Year	Amount
	2001	121.733
	2002	3.951
	2003	0
	2004	0.067
	2005	0
	2006	136.830
	2007	122.070
	2008	177.634

2009	380.890
2010	203.020
2011	185.482
2012	285.324
2013	209.528
2014	228.245
2015	318.993
2016	171.765
2017	193.814

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LRG 04250 S-2	4	4	2	17	23S	01E	324549	3576080

Driller License:		Driller Company:			
Driller Name:	UNKNOWN				
Drill Start Date:		Drill Finish Date:		Plug Date:	
Log File Date:		PCW Rcv Date:		Source:	Shallow
Pump Type:	SUBMER	Pipe Discharge Size:		Estimated Yield:	2343 GPM
Casing Size:	16.00	Depth Well:	250 feet	Depth Water:	

Meter Number:	2469	Meter Make:	SIEMENS
Meter Serial Number:	12250007	Meter Multiplier:	1000.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/10/2001	2001	168177	A	mm		0
03/01/2001	2001	168178	A	mm		0
03/29/2001	2001	168190	A	mm		0.004
05/07/2001	2001	168190	A	mm		0
06/01/2001	2001	168190	A	mm		0
07/03/2001	2001	168190	A	mm		0
08/16/2001	2001	168213	A	mm		0.007
10/03/2001	2001	168214	A	mm		0
11/09/2001	2001	168235	A	mm		0.006
12/12/2001	2001	168235	A	mm		0
01/11/2002	2001	168235	A	mm		0
02/14/2002	2002	168550	A	mm		0.097
03/07/2002	2002	168550	A	mm		0
04/04/2002	2002	169542	A	mm		0.304
05/10/2002	2002	177810	A	mm		2.537
07/10/2002	2002	197138	A	mm		5.932
07/31/2002	2002	207219	A	mm		3.094
09/06/2002	2002	217392	A	mm		3.122
10/15/2002	2002	226888	A	mm		2.914
11/18/2002	2002	235068	A	mm		2.510
12/10/2002	2002	242528	A	mm		2.289
01/16/2003	2003	247431	A	mm		1.505

02/05/2003	2003	252341	A	mm		1.507
03/05/2003	2003	257722	A	mm		1.651
05/27/2003	2003	276186	A	mm		5.666
06/12/2003	2003	73016	A	mm		0
06/12/2003	2003	281495	A	mm		1.629
07/17/2003	2003	208316	A	mm		41.522
01/16/2004	2003	839040	A	mm		193.562
02/16/2004	2004	889304	A	mm		15.425
03/24/2004	2004	945058	A	mm		17.110
04/21/2004	2004	12924	R	mm	Meter Rollover	20.827
06/01/2004	2004	88798	A	mm		23.285
07/06/2004	2004	321600	A	mm		71.444
10/28/2004	2004	608676	A	mm		88.100
12/13/2004	2004	841129	A	mm		71.337
01/21/2005	2004	890596	A	mm		15.181
03/08/2005	2005	977347	A	mm		26.623
04/19/2005	2005	38325	R	mm	Meter Rollover	18.713
05/01/2005	2005	120229	A	mm		25.135
06/01/2005	2005	239262	A	mm		36.530
07/01/2005	2005	375891	A	mm		41.930
08/01/2005	2005	513707	A	mm		42.294
09/01/2005	2005	513707	A	mm		0
10/01/2005	2005	559153	A	mm		13.947
11/01/2005	2005	604950	A	mm		14.055
12/01/2005	2005	660504	A	mm		17.049
01/01/2006	2005	706372	A	mm		14.076
04/17/2006	2006	872847	A	mm		51.089
04/30/2006	2006	919376	A	ad		14.279
05/31/2006	2006	987606	A	ad		20.939
06/30/2006	2006	50131	R	ad	Meter Rollover	19.188
07/31/2006	2006	101383	A	ad		15.729
08/31/2006	2006	188328	A	ad		26.682
10/17/2006	2006	210754	A	ad		6.882
10/31/2006	2006	262581	A	ad		15.905
11/30/2006	2006	350703	A	ad		27.044
01/18/2007	2006	439566	A	ad		27.271
01/31/2007	2007	519902	A	ad		24.654
02/28/2007	2007	597208	A	ad		23.724
04/10/2007	2007	709915	A	ad		34.589
04/30/2007	2007	784213	A	ad		22.801
05/31/2007	2007	784213	A	ad		0
05/31/2007	2007	4525866	A	ad		0
06/30/2007	2007	11710560	A	ad		22.049
07/31/2007	2007	18122518	A	ad		19.678
08/31/2007	2007	24183345	A	ad		18.600
09/30/2007	2007	32480160	A	ad		25.462
10/31/2007	2007	39376252	A	ad		21.163

11/30/2007	2007	44776948	A	ad		16.574
12/31/2007	2007	49257616	A	ad		13.751
01/31/2008	2008	54856399	A	ad		17.182
02/29/2008	2008	65330405	A	ad		32.144
03/31/2008	2008	74007399	A	ad		26.629
04/30/2008	2008	81785720	A	ad		23.871
05/31/2008	2008	91559152	A	ad		29.994
06/30/2008	2008	3827050	R	ad	Meter Rollover	37.649
07/31/2008	2008	11025645	A	ad		22.092
08/31/2008	2008	15144077	A	ad		12.639
09/30/2008	2008	15144077	A	ad		0
10/31/2008	2008	15144077	A	ad		0
11/30/2008	2008	15144077	A	ad		0
01/15/2009	2008	18508892	A	ad		10.326
01/31/2009	2009	18508892	A	ad		0
02/28/2009	2009	18508892	A	ad		0
03/31/2009	2009	18508892	A	ad		0
04/30/2009	2009	20785050	A	ad		6.985
05/31/2009	2009	20785050	A	ad		0
06/30/2009	2009	20785050	A	ad		0
07/31/2009	2009	20785050	A	ad		0
08/31/2009	2009	20785050	A	ad		0
09/30/2009	2009	20785050	A	ad		0
12/31/2009	2009	20785050	A	ad		0
03/31/2010	2010	31304600	A	ad		32.283
06/29/2010	2010	52508136	A	ad		65.071
06/30/2010	2010	52868360	A	ad		1.105
09/30/2010	2010	52868360	A	ad		0
12/31/2010	2010	52868360	A	ad		0
03/31/2011	2011	79921628	A	ad		83.023
06/30/2011	2011	7935372	R	ad	Meter Rollover	85.971
09/30/2011	2011	29493860	A	ad		66.161
12/31/2011	2011	39551080	A	ad		30.864
03/31/2012	2012	40585276	A	ad		3.174
06/30/2012	2012	50645312	A	ad		30.873
09/30/2012	2012	75285224	A	ad		75.617
12/31/2012	2012	82752712	A	ad		22.917
01/01/2013	2013	82752712	A	ad		0
03/31/2013	2013	94409944	A	ad		35.775
06/30/2013	2013	9199627	R	ad	Meter Rollover	45.388
09/30/2013	2013	30990092	A	ad		66.872
12/31/2013	2013	41711652	A	ad		32.903
03/01/2014	2014	48723572	A	ad		21.519
04/01/2014	2014	50122168	A	ad		4.292
05/01/2014	2014	50499256	A	ad		1.157
06/01/2014	2014	59078732	A	ad		26.329
07/01/2014	2014	64862532	A	ad		17.750

08/01/2014	2014	70549120	A	ad		17.451
09/01/2014	2014	75230688	A	ad		14.367
11/01/2014	2014	78759160	A	ad		10.828
12/01/2014	2014	82197560	A	ad		10.552
01/01/2015	2014	85303168	A	ad		9.531
02/01/2015	2015	88355992	A	ad		9.369
03/01/2015	2015	90704088	A	ad		7.206
04/01/2015	2015	91956320	A	ad		3.843
05/01/2015	2015	92347928	A	ad		1.202
06/01/2015	2015	92396992	A	ad		0.151
07/13/2015	2015	92752888	A	ad		1.092
08/01/2015	2015	92801720	A	ad		0.150
09/04/2015	2015	92801832	A	ad		0
10/06/2015	2015	92801896	A	ad		0
11/05/2015	2015	93313088	A	bf		1.569
01/04/2016	2015	93314336	A	dc		0.004
02/01/2016	2016	93314952	A	bf		0.002
03/01/2016	2016	93331560	A	bf		0.051
04/01/2016	2016	93357728	A	dc		0.080
05/01/2016	2016	93357728	A	bf		0
05/31/2016	2016	0	A	bf	Initial Rdg	0
06/02/2016	2016	18	A	bf	Fld Chk w/ DC	0.055
07/01/2016	2016	27	A	dc		0.027
08/01/2016	2016	29227	A	dc		89.613
09/01/2016	2016	43209	A	dc		42.907
10/01/2016	2016	43209	A	dc		0
11/01/2016	2016	56449	A	dc		40.632
12/01/2016	2016	62415	A	dc		18.311
01/01/2017	2016	67436	A	bf		15.407
02/01/2017	2017	70486	A	dc		9.360
03/01/2017	2017	70486	A	bf		0
04/01/2017	2017	73457	A	dc		9.117
05/01/2017	2017	74286	A	bf		2.544
06/01/2017	2017	74386	A	bf		0.307
07/01/2017	2017	80666	A	dc		19.273
08/01/2017	2017	84799	A	dc		12.685
09/01/2017	2017	85672	A	dc		2.679
10/02/2017	2017	85672	A	cb		0

**YTD Meter Amounts:	Year	Amount
	2001	0.017
	2002	22.799
	2003	247.042
	2004	322.709
	2005	250.352
	2006	225.008
	2007	243.045

2008	212.526
2009	6.985
2010	98.459
2011	266.019
2012	132.581
2013	180.938
2014	133.776
2015	24.586
2016	207.085
2017	55.965

New Mexico Office of the State Engineer
Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LRG 04250 POD7	2	3	2	17	23S	01E	324969	3576283

Driller License:	838	Driller Company:	HARGRAVES DRILLING COMPANY INC		
Driller Name:	STAN HARGRAVES				
Drill Start Date:	08/03/2006	Drill Finish Date:	08/31/2006	Plug Date:	
Log File Date:	09/12/2006	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	3000 GPM
Casing Size:	16.38	Depth Well:	580 feet	Depth Water:	63 feet

Water Bearing Stratifications:	Top	Bottom	Description
	380	580	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	380	480

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	LRG 15880 POD1		1	1	22	23S	01E	327219	3575063

Driller License:	Driller Company:	
Driller Name:		
Drill Start Date:	Drill Finish Date:	Plug Date:
Log File Date:	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well:	Depth Water:

Meter Number:	16504	Meter Make:	NEPTUNE
Meter Serial Number:	52231480	Meter Multiplier:	10.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/01/2014	2014	819797	A	dc	INITIAL RDG	0
08/17/2015	2014	832909	A	dc	NEW METER CHK	0.402
09/01/2015	2015	832909	A	dc		0
10/01/2015	2015	832932	A	bf		0.001
11/01/2015	2015	832935	A	dc		0
01/04/2016	2015	832935	A	dc		0
02/01/2016	2016	832935	A	bf		0
03/01/2016	2016	832935	A	bf		0
04/01/2016	2016	832935	A	dc		0
05/01/2016	2016	832935	A	bf		0
06/10/2016	2016	832935	A	dc		0
07/01/2016	2016	832935	A	dc		0
08/01/2016	2016	832935	A	dc		0
09/01/2016	2016	832935	A	dc		0
10/01/2016	2016	832935	A	dc		0
11/01/2016	2016	832935	A	dc		0
12/01/2016	2016	832935	A	dc		0
01/06/2017	2016	832935	A	bf		0
02/07/2017	2017	832935	A	dc		0
03/01/2017	2017	832935	A	bf		0
04/01/2017	2017	832935	A	dc		0
05/01/2017	2017	832935	A	bf		0

06/01/2017	2017	832935	A	bf	0
07/01/2017	2017	832935	A	dc	0
08/01/2017	2017	832935	A	dc	0
09/01/2017	2017	832935	A	dc	0
10/02/2017	2017	832935	A	cb	0

**YTD Meter Amounts:	Year	Amount
	2014	0.402
	2015	0.001
	2016	0
	2017	0

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	LRG 15880 POD2		2	1	22	23S	01E	327544	3575183

Driller License: Driller Company:

Driller Name:

Drill Start Date: Drill Finish Date: Plug Date:

Log File Date: PCW Rcv Date: Source: Shallow

Pump Type: Pipe Discharge Size: Estimated Yield:

Casing Size: Depth Well: Depth Water:

Meter Number:	16505	Meter Make:	MASTER
Meter Serial Number:	8145030	Meter Multiplier:	100.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/01/2014	2014	25704	A	dc	INITIAL RDG	0
04/01/2014	2014	41048	A	dc	NON COMPLIANCE METER RDG	4.709
07/01/2014	2014	56393	A	dc	NON COMPLIANCE METER RDG	4.709
10/01/2014	2014	71737	A	dc	NON COMPLIANCE METER RDG	4.709
12/31/2014	2014	87081	A	dc	NON COMPLIANCE METER RDG	4.709
04/01/2015	2015	102426	A	dc	NON COMPLIANCE METER RDG	4.709
07/01/2015	2015	117770	A	dc	NON COMPLIANCE METER RDG	4.709
08/17/2015	2015	117770	A	dc	NEW METER CHK	0
09/01/2015	2015	120362	A	dc		0.795
10/01/2015	2015	128659	A	bf		2.546
11/01/2015	2015	132064	A	dc		1.045
01/04/2016	2015	136560	A	dc		1.380
02/01/2016	2016	139721	A	bf		0.970
03/01/2016	2016	143491	A	bf		1.157
04/01/2016	2016	148451	A	dc		1.522
05/01/2016	2016	154145	A	bf		1.747
06/10/2016	2016	161057	A	dc		2.121
07/01/2016	2016	169800	A	dc		2.683

08/01/2016	2016	171118	A	dc	0.404
09/01/2016	2016	171132	A	dc	0.004
10/01/2016	2016	171132	A	dc	0
11/01/2016	2016	171132	A	dc	0
12/01/2016	2016	171132	A	dc	0
01/06/2017	2016	171132	A	bf	0
02/07/2017	2017	171132	A	dc	0
03/01/2017	2017	171132	A	bf	0
04/01/2017	2017	171132	A	dc	0
05/01/2017	2017	171132	A	bf	0
06/01/2017	2017	171132	A	bf	0
07/01/2017	2017	171132	A	dc	0
08/01/2017	2017	171132	A	dc	0
09/01/2017	2017	171132	A	dc	0
10/02/2017	2017	171132	A	cb	0

**YTD Meter Amounts:	Year	Amount
	2014	18.836
	2015	15.184
	2016	10.608
	2017	0

Appendix C
GCPD v2.04 Beta Model

NMOSE GPCD CALCULATOR

Gallons per Capita - v2.04 Beta

Release Date: Mar, 16, 2009

This spreadsheet-based GPCD calculator is designed to help quantify and track water uses associated with water distribution systems. The spreadsheet contains several separate worksheets. Sheets can be accessed using the tabs towards the bottom of the screen, or by clicking the buttons on the left below. Descriptions of each sheet are also given below.

It should be noted that all the recorded data should be from actual metered results and should not include any estimates.

THE FOLLOWING KEY APPLIES THROUGHOUT:

- Value to be entered by user
- Dropdown box, pick from list
- Value calculated based on input data
- No longer available for input

Look for the following boxes that provide additiona Instructions Info

Please begin by providing the following information, then proceed through each sheet:

NAME OF CITY OR UTILITY: Dona Ana MDWCA — New Mexico

REPORTING YEARS: Enter the most recent reporting year: 2017 — Data can be entered back to: 2011

NAME OF CONTACT PERSON: Marty Howell — **E-MAIL:** marty.howell@soudermiller.com — **TELEPHONE:** 800-647-0799 **Ext.**

SELECT THE REPORTING UNITS FOR VOLUME DATA: Gallons (US) — Gallons per Capita - v2.04 Beta

Instructions & Utility	This sheet
Census Data	Census data and the portal to get the data from the Census website
Single-Family	Single-Family residential gallons and population
Multi-Family	Multi-Family residential gallons and population
ICI & Other Metered	Other data including Commercial, Industrial and Institutional [1.3] and Other metered [1.4] categories
Reuse	Data related to water reuse projects
Total Diverted	Total Production and Diverted Water
Reported Data	The calculated data graphical review of most common performance indicators
Annual Performance	The calculated data graphical review of **annual** performance indicators
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Definitions	Use this sheet to understand terms used in the audit process

All parties reserve the right to validate the data recorded in this document. This does not bind the OSE or the Utility to the results. It is a tool used for planning purposes.

If you have questions or comments regarding the software please contact us at: waternm@state.nm.us

Census Information Data Table 2.1

Info

Click here to access the Census Web site

OR

Click here for instructions on how to find the data on the Census website

2017 TO 2011

Use the most recent census data

Return to Instructions

DATA

US Census Table	Description		INPUT
		CENSUS YEAR	2010
P37	Group Quarters Population	Total	**0**
H3	Occupancy Status	Total	**15,302**
from H3		Occupied	**15,302**
from H3		Vacant	
H12	Ave. Household Size of Occupied Housing Units	Total	**2.78**

Formula: Household Size = Total Population / Total Number of Housing Units

Vacancy Rate %	

COMMENTS:

Based on Dona Ana service area, data obtained from 2010 40 Year Water Plan by SMA.

DATA INPUT SHEET

Dona Ana MDWCA

Instructions

3. SINGLE-FAMILY RESIDENTIAL (SFR)

Return to Instructions

MONTHLY DATA

TABLE 3.1 Info

2017 TO 2011

SFR BILLED WATER CONSUMPTION (Gallons (US))

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2017												
2016	48802920	44080057	48802920	47228632	48802920	47228632	48802920	48802920	47228632	48802920	47228632	48802920
2015	46563507	42057361	46563507	45061458	46563507	45061458	46563507	46563507	45061458	46563507	45061458	46563507
2014	51572426	46581546	51572426	49908800	51572426	49908800	51572426	51572426	49908800	51572426	49908800	51572426
2013	37229635	33626767	37229635	36028679	37229635	36028679	37229635	37229635	36028679	37229635	36028679	37229635
2012	37862990	34198830	37862990	36641604	37862990	36641604	37862990	37862990	36641604	37862990	36641604	37862990
2011	49138532	44383190	49138532	47553418	49138532	47553418	49138532	49138532	47553418	49138532	47553418	49138532

TABLE 3.2 Info

Choose Connections Type…

USE DROPDOWN BOX TO SELECT THE CONNECTIONS DATA YOU WISH TO ENTER

NUMBER OF SFR CONNECTIONS (Monthly)

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2017	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500
2016	5,364	5,364	5,364	5,364	5,364	5,364	5,364	5,364	5,364	5,364	5,364	5,364
2015	5,227	5,227	5,227	5,227	5,227	5,227	5,227	5,227	5,227	5,227	5,227	5,227
2014	5,158	5,158	5,158	5,158	5,158	5,158	5,158	5,158	5,158	5,158	5,158	5,158
2013	5,059	5,059	5,059	5,059	5,059	5,059	5,059	5,059	5,059	5,059	5,059	5,059
2012	4,959	4,959	4,959	4,959	4,959	4,959	4,959	4,959	4,959	4,959	4,959	4,959
2011	4,848	4,848	4,848	4,848	4,848	4,848	4,848	4,848	4,848	4,848	4,848	4,848

TABLE 3.3 Info

INACTIVE (ZERO USE) SFR CONNECTIONS (Monthly)

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2017												
2016												
2015												
2014												
2013												
2012												
2011												

TABLE 3.4

Formula = (No. of Connections - No. of Zero Use Accounts) * Ave. Household Size

SFR POPULATION (Monthly)

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2017	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
2016	14,911	14,911	14,911	14,911	14,911	14,911	14,911	14,911	14,911	14,911	14,911	14,911
2015	14,530	14,530	14,530	14,530	14,530	14,530	14,530	14,530	14,530	14,530	14,530	14,530
2014	14,338	14,338	14,338	14,338	14,338	14,338	14,338	14,338	14,338	14,338	14,338	14,338
2013	14,063	14,063	14,063	14,063	14,063	14,063	14,063	14,063	14,063	14,063	14,063	14,063
2012	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785
2011	13,477	13,477	13,477	13,477	13,477	13,477	13,477	13,477	13,477	13,477	13,477	13,477

TABLE 3.5

Formula = Billed Water Consumption (SFR only) / Calculated Population (SFR only)

SFR GPCD CALCULATION (Monthly)

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2017	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
2016	105.58	105.58	105.58	105.58	105.58	105.58	105.58	105.58	105.58	105.58	105.58	105.58
2015	103.38	103.38	103.38	103.38	103.38	103.38	103.38	103.38	103.38	103.38	103.38	103.38
2014	116.03	116.03	116.03	116.03	116.03	116.03	116.03	116.03	116.03	116.03	116.03	116.03
2013	85.40	85.40	85.40	85.40	85.40	85.40	85.40	85.40	85.40	85.40	85.40	85.40
2012	88.60	88.60	88.60	88.60	88.60	88.60	88.60	88.60	88.60	88.60	88.60	88.60
2011	117.61	117.61	117.61	117.61	117.61	117.61	117.61	117.61	117.61	117.61	117.61	117.61

COMMENTS:

ANNUAL DATA

TABLE 3.6

ANNUAL CONSUMPTION

TABLE 3.7

ANNUAL CALCULATION
N/A
574,615,025
548,247,744
607,223,730
438,348,926
445,806,178
578,566,581

TABLE 3.8

AVG. ANNUAL CONNECTIONS

TABLE 3.9

AVG CONN. CALCULATION
N/A
N/A
N/A
N/A
N/A
N/A
N/A

TABLE 3.10 Info

CALCULATED GROWTH RATE
N/A
N/A
N/A
N/A
N/A
N/A

Are you sure growth is zero?

TABLE 3.11

No. VACANT SFR CONNECTIONS
N/A
N/A
N/A
N/A
N/A
N/A
N/A

TABLE 3.12 Info

SIZE OF HOUSEHOLD
2.78
2.78
2.78
2.78
2.78
2.78
2.78

TABLE 3.13 Info

SFR POPULATION
N/A
14,911
14,530
14,338
14,063
13,785
13,477

Add Consumption D

TABLE 3.14 Info

ANNUAL SFR GPCD
N/A
105.58
103.38
116.03
85.40
88.60
117.61

DATA INPUT SHEET

Dona Ana MDWCA

7. TOTAL WATER DIVERTED AND SUPPLIED

Return to Instructions

MONTHLY DATA

TABLE 7.1 2017 TO 2011

TOTAL WATER DIVERTED (Monthly) (Gallons (US))

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2017												
2016												
2015												
2014												
2013												
2012												
2011												

TABLE 7.2

IMPORTED WATER (Monthly)(Gallons (US)) Info

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2017	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 7.3

EXPORTED WATER (Monthly) (Gallons (US)) Info

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2017	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 7.4 Formula = Total Water Diverted + Imported water - Exported Water

TOTAL WATER SUPPLY (Monthly) (Gallons (US))

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2017	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0

ANNUAL DATA

TABLE 7.6

ANNUAL TOTAL DIVERTED
160,142,116.00
605,378,415.00
629,810,230.00
595,409,910.00
567,154,392.77
588,812,176.78
748,089,292.55

TABLE 7.7

ANNUAL TOTAL DIVERTED CALC
160,142,116
605,378,415
629,810,230
595,409,910
567,154,393
588,812,177
748,089,293

TABLE 7.8

ANNUAL TOTAL IMPORTED

TABLE 7.9

ANNUAL TOTAL IMPORT CALC
N/A
N/A
N/A
N/A
N/A
N/A
N/A

TABLE 7.10

ANNUAL TOTAL EXPORTED

TABLE 7.11

ANNUAL TOTAL EXPORT CALC
N/A
N/A
N/A
N/A
N/A
N/A
N/A

TABLE 7.12

ANNUAL TOTAL WATER SUPPLY
160,142,116
605,378,415
629,810,230
595,409,910
567,154,393
588,812,177
748,089,293

TABLE 7.13 Info

TOTAL POP. EST.
N/A
14,911
14,530
14,338
14,063
13,785
13,477

Table 7.5

SYSTEM TOTAL GPCD (Monthly)

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2017	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
2016	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
2015	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
2014	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
2013	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
2012	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
2011	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

COMMENTS:

TABLE 7.14

Info	Year	SYSTEM TOTAL GPCD
	2017	**#VALUE!**
	2016	**111.23**
	2015	**118.76**
	2014	**113.77**
	2013	**110.49**
	2012	**117.03**
	2011	**152.07**

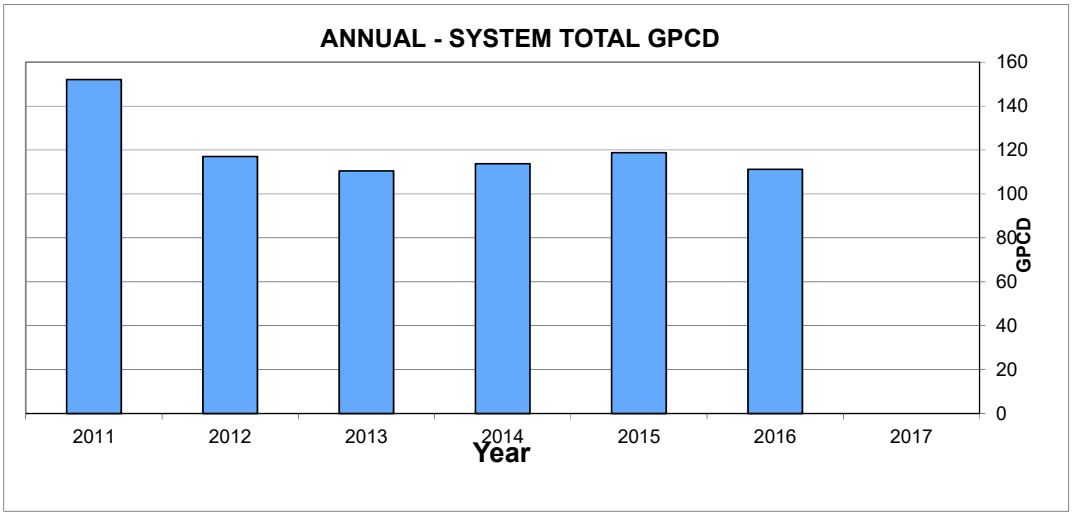
8. GPCD REPORTED DATA

Dona Ana MDWCA		
2017	To:	2011

Return to Instructions

ANNUAL

Year	SYSTEM GPCD
2017	#VALUE!
2016	111.23
2015	118.76
2014	113.77
2013	110.49
2012	117.03
2011	152.07

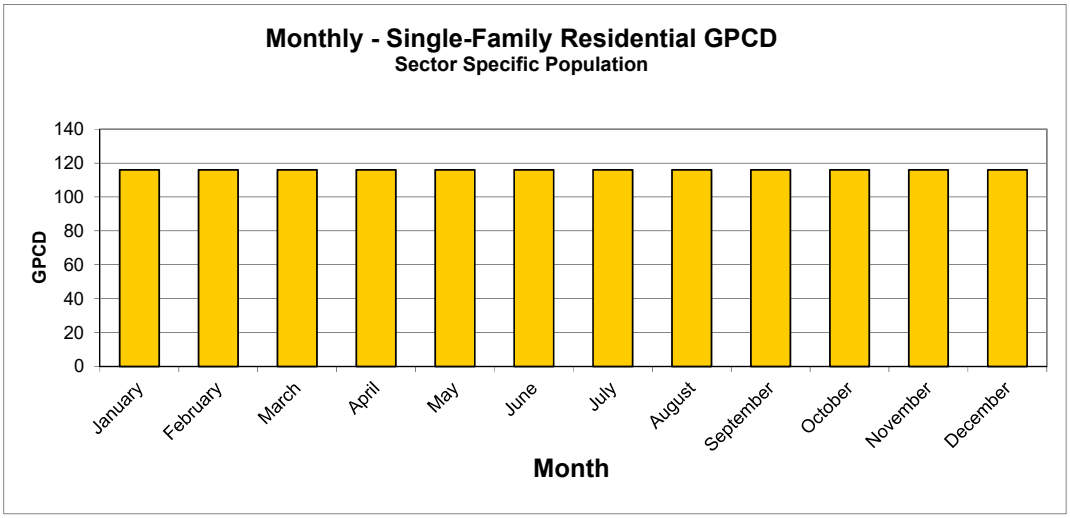


MONTHLY

Month	SFR GPCD
January	116.03
February	116.03
March	116.03
April	116.03
May	116.03
June	116.03
July	116.03
August	116.03
September	116.03
October	116.03
November	116.03
December	116.03

Year	2014

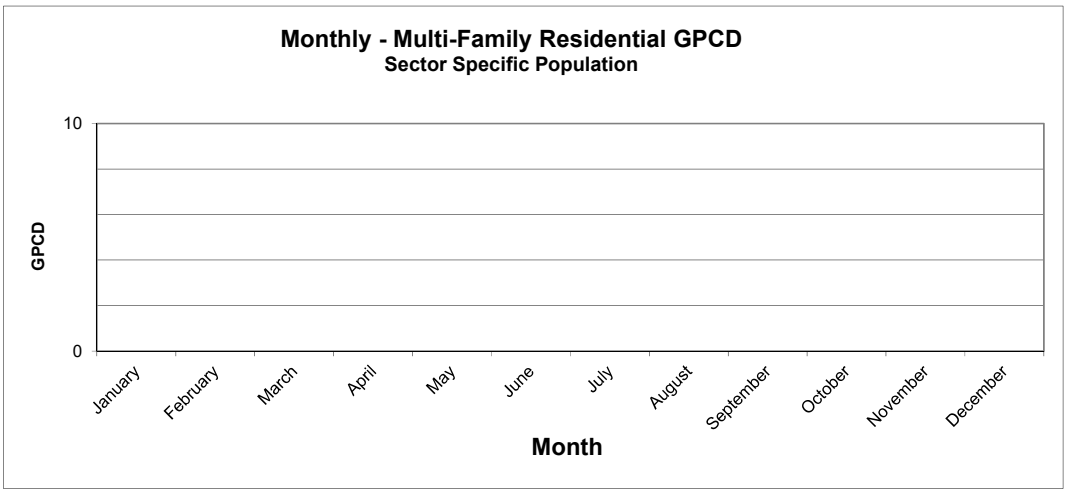
Peak/Ave	1.00



YEAR 2014

Month	MFR GPCD
January	No Data
February	No Data
March	No Data
April	No Data
May	No Data
June	No Data
July	No Data
August	No Data
September	No Data
October	No Data
November	No Data
December	No Data

Peak/Ave	#DIV/0!



YEAR 2014

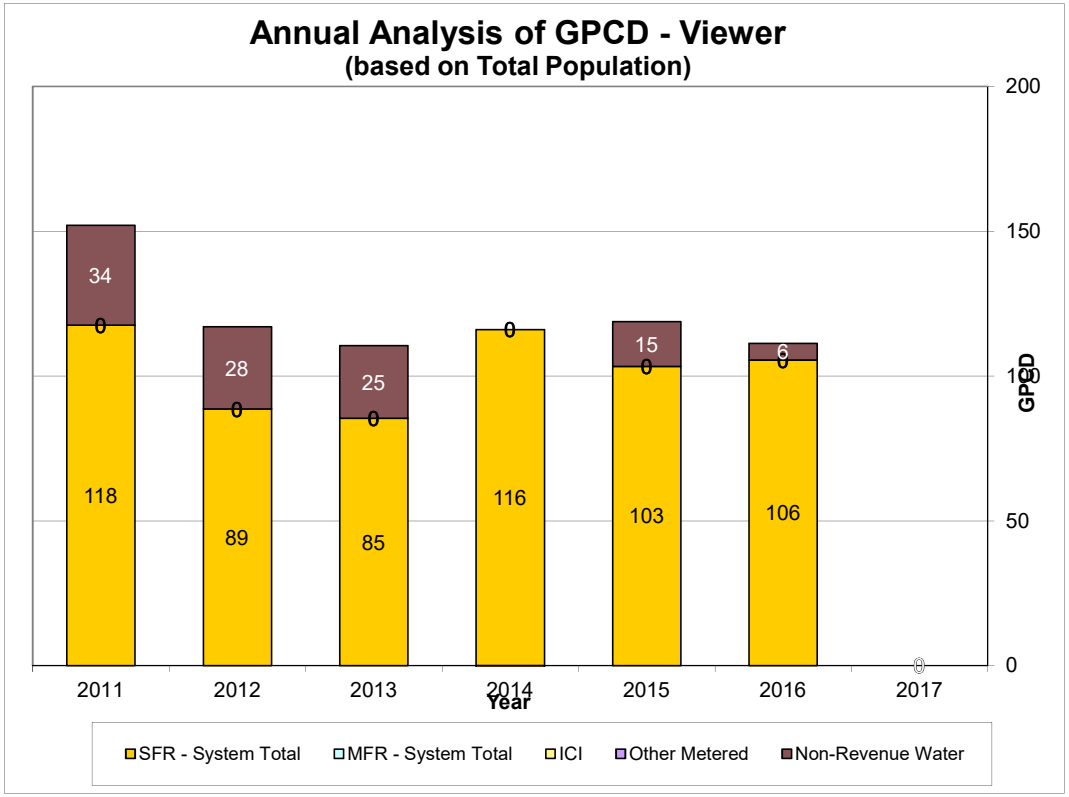
9. Annual Reporting Performance

Return to Instructions

Overall Annual GPCD (based on Total Population)

Year	SFR - System Total	MFR - System Total	ICI	Other Metered	Non-Revenue Water (Info)	Total Supplied	Non-Revenue Volume Million Gallons (US)
On Graph?	Yes	Yes	Yes	Yes	Yes		
2017	N/A	N/A	N/A	N/A	#VALUE!	#VALUE!	160.14
2016	105.58	N/A	N/A	N/A	5.65	111.23	30.76
2015	103.38	N/A	N/A	N/A	15.38	118.76	81.56
2014	116.03	N/A	N/A	N/A	-2.26	113.77	(11.81)
2013	85.40	N/A	N/A	N/A	25.09	110.49	128.81
2012	88.60	N/A	N/A	N/A	28.42	117.03	143.01
2011	117.61	N/A	N/A	N/A	34.46	152.07	169.52

Dona Ana MDWCA		
2017	to	2011



10. Monthly Reporting Performance

Return to Instructions

Choose Year for Monthly Analysis **2014**

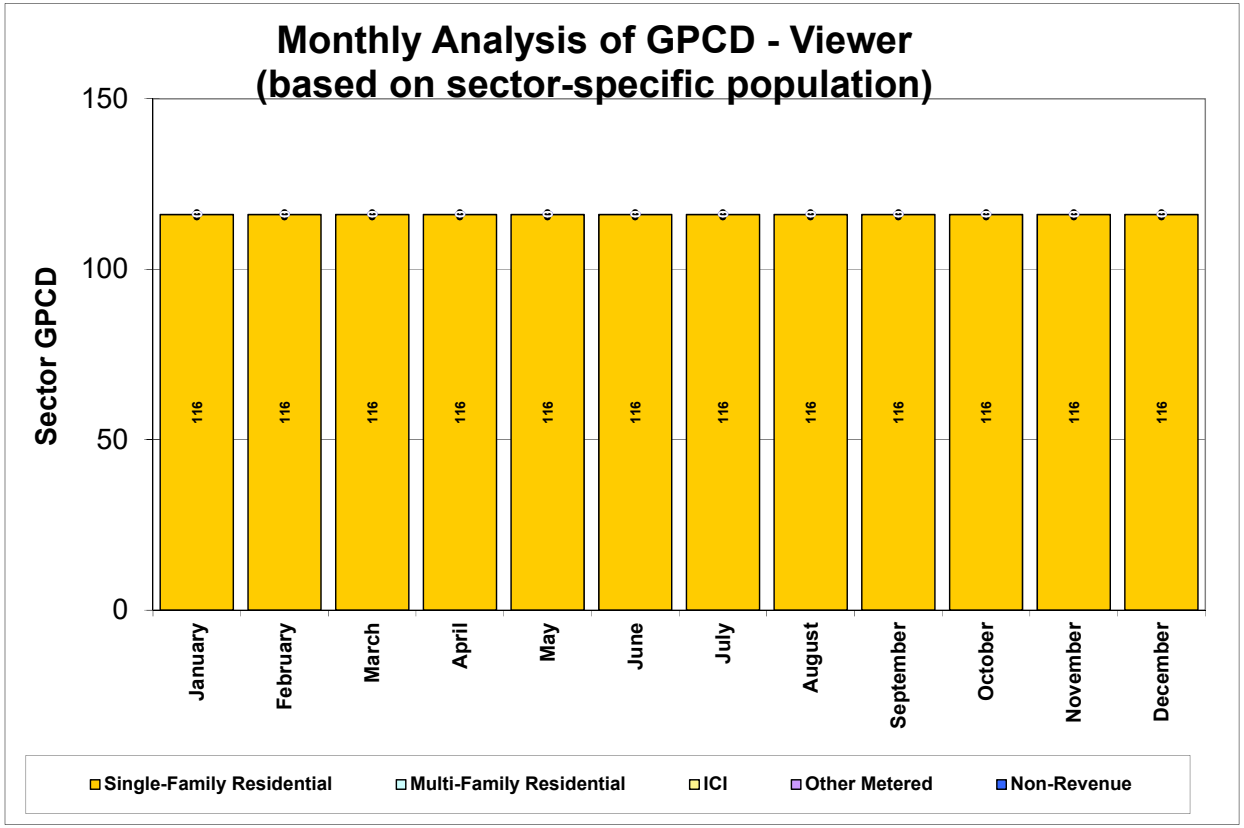
Choose Sector **Single-Family Residential**

Monthly GPCD

Month	Single-Family Residential GPCD	Multi-Family Residential GPCD	ICI GPCD	Other Metered GPCD	Non-Revenue GPCD
JAN	116.03	No Data	0.00	0.00	-116.03
FEB	116.03	No Data	0.00	0.00	-116.03
MAR	116.03	No Data	0.00	0.00	-116.03
APR	116.03	No Data	0.00	0.00	-116.03
MAY	116.03	No Data	0.00	0.00	-116.03
JUN	116.03	No Data	0.00	0.00	-116.03
JUL	116.03	No Data	0.00	0.00	-116.03
AUG	116.03	No Data	0.00	0.00	-116.03
SEP	116.03	No Data	0.00	0.00	-116.03
OCT	116.03	No Data	0.00	0.00	-116.03
NOV	116.03	No Data	0.00	0.00	-116.03
DEC	116.03	No Data	0.00	0.00	-116.03

Dona Ana MDWCA

2017 to 2011



NMOSE GPCD CALCULATOR

Gallons per Capita - v2.04 Beta

Release Date: Mar, 16, 2009

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- Value calculated based on input data
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Look for the following boxes that provide additio
Instructions Info

Please begin by providing the following information, then proceed through each sheet:

NAME OF CITY OR UTILITY: Dona Ana MDWCA — New Mexico

REPORTING YEARS: Enter the most recent reporting year: 2017 — Data can be entered back to: 2011

NAME OF CONTACT PERSON: Marty Howell — **E-MAIL:** marty.howell@soudermiller.com — **TELEPHONE:** 800-647-0799 **Ext.**

SELECT THE REPORTING UNITS FOR VOLUME DATA: Gallons (US) — Gallons per Capita - v2.04 Beta

Instructions &	This sheet
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