

**STATE OF NEVADA**  
**DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES**  
**DIVISION OF WATER RESOURCES**

**JASON KING, P.E.**  
**STATE ENGINEER**



**PAHRANAGAT VALLEY**  
**(HYDROGRAPHIC BASIN 13-209)**

**GROUNDWATER PUMPAGE INVENTORY**

**WATER YEAR 2014**

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Report Prepared by: Christi Cooper

**TABLE OF CONTENTS**

**ABSTRACT..... 1**

**HYDROGRAPHIC BASIN SUMMARY ..... 2**

**PURPOSE AND SCOPE..... 3**

**DESCRIPTION OF THE STUDY AREA ..... 3**

**GROUNDWATER LEVELS..... 3**

**METHODS TO ESTIMATE PUMPAGE ..... 4**

**PUMPAGE BY MANNER OF USE ..... 5**

**FIGURE 1. PHYSIOGRAPHIC MAP OF PAHRANAGAT VALLEY (HYDROGRAPHIC BASIN  
    13-209). ..... 6**

**APPENDIX A. PAHRANAGAT VALLEY HISTORICAL PUMPAGE..... 7**

**APPENDIX B. PAHRANAGAT VALLEY GROUNDWATER PUMPAGE FOR WATER  
YEAR 2014 BY MANNER OF USE. .... 9**

**APPENDIX C. PAHRANAGAT VALLEY GROUNDWATER PUMPAGE INVENTORY  
FOR WATER YEAR 2014..... 11**

**APPENDIX D. PAHRANAGAT VALLEY GROUNDWATER PUMPAGE INVENTORY  
FIELD NOTES FOR WATER YEAR 2014..... 22**

## ABSTRACT

This inventory represents the status and usage of all permitted, certificated and claims of vested right groundwater rights located within Pahrnagat Valley, Hydrographic Basin 13-209, for water year 2014 (October 1, 2013 through September 30, 2014). Also included are data associated with depth to groundwater.

The data presented are valid for the time period of this report, and may vary from previously published data as water rights within the basin are subject to administrative action, such as certification, cancellation, forfeiture, or withdrawal on a daily basis.

For water year 2014 the permitted, certificated and claims of vested right groundwater rights totaled **10,858 acre-feet**. Estimated pumpage for the water year was **5,739 acre-feet**. For water year 2014, appropriations for irrigation (the largest manner of use in the basin) totaled 7,575 acre-feet and pumpage was 5,195 acre-feet. The second largest manner of use was municipal with appropriations totaling 1,089 acre-feet and pumpage of 280 acre-feet. The third largest manner of use was pumping by exempt domestic wells, at 115 acre-feet. Exempt domestic wells are defined by Nevada Revised Statutes 534.013 and do not require a permit issued by the State Engineer.

## HYDROGRAPHIC BASIN SUMMARY

HYDROGRAPHIC BASIN NUMBER..... 209, REGION 13  
HYDROGRAPHIC BASIN NAME ..... PAHRANAGAT VALLEY  
COUNTIES..... LINCOLN  
COMMUNITIES ..... HIKO, ALAMO  
DESIGNATED ..... YES  
DENIALS BASED UPON WATER AVAILABILITY ..... IRRIGATION  
GROUNDWATER LEVEL MEASUREMENTS ..... NDWR  
ESTIMATED PUMPAGE INVENTORY, ACRE-FEET IN 2014..... 5,739\*  
STATE ENGINEER'S ORDERS  
[1199](#) - DESIGNATION ..... APRIL 20, 2009

COMMITTED GROUNDWATER RESOURCE: 10,858 ACRE-FEET..DATE: MARCH 2015

IRRIGATION .....	7,575	WILDLIFE .....	2,092	MUNICIPAL .....	1,089
STOCKWATER .....	61	COMMERCIAL .....	39	QUASI-MUNICIPAL ..	2

NOTE: Committed groundwater resource data are accurate for March 2015. Manner of use category totals vary over time, as rights are not necessarily static. Rights may be subject to change applications, certification, withdrawals, forfeiture and cancellations; each of these circumstances could impact the duty, diversion rate and acreage associated with a given right.

\*Includes pumpage by exempt domestic wells, as defined by NRS 534.013. The domestic use estimate is based upon a count of the total domestic wells in the basin multiplied by 1 acre-foot per annum. The number of domestic wells in the basin, estimated by a query of the [Nevada Division of Water Resources Well Log Database](#), is approximately 115.

## PURPOSE AND SCOPE

The purpose of this report is to inventory all of the groundwater resources allocated and described by the Office of the State Engineer, Nevada Division of Water Resources (NDWR), and to estimate the amount of groundwater pumped within the Pahranaagat Valley Hydrographic Basin (13-209), for the time period beginning October 1, 2013 and ending September 30, 2014 (hereafter referred to as water year 2014). This report estimates the amount of groundwater pumped under the permits and certificates issued by the State Engineer, claims of vested right, and the amount pumped by exempt domestic wells within the basin. Associated information, such as groundwater level measurements, is also presented.

## DESCRIPTION OF THE STUDY AREA

Pahranaagat Valley is a basin located in central eastern Nevada. The valley is approximately 45 miles west of Caliente, Nevada, and is within the Colorado River Hydrographic Region. The basin is located within Lincoln County (see Figure 1).

Pahranaagat Valley is bounded on the west by the Mount Irish and Pahranaagat Ranges and on the east by the Hiko and Pahroc Ranges. The north is bounded by the Pahranaagat and Pahroc Ranges. The south boundary is defined by a series of hills at the south end of the Pahranaagat Range that connects with the north end of the Sheep and Delamar Ranges. A gap through these hills is where Maynard Lake exists, the lowest elevation in this southward sloping valley, at around 3,120 feet. The adjacent Nevada hydrographic basins are as follows: Tikapoo Valley (Southern Part), 10-169B, to the southwest; Tikapoo Valley (Northern Part), 10-169A, to the west; Coal Valley, 10-171, to the northwest; Pahroc Valley, 13-208, to the north; Delamar Valley, 10-182, to the east; and Coyote Spring Valley, 13-210, to the southeast. The exterior boundary of the Pahranaagat Valley Hydrographic Basin is as described by Designation Order 1199, issued by the Nevada State Engineer April 20, 2009. The basin covers approximately 790 square miles.

There is a substantial amount of water discharged from carbonate rocks within Pahranaagat Valley, most of it originating from Hiko, Crystal, and Ash Springs. The discharge from these perennial springs is collected in ditches, utilized mainly for irrigation and stockwatering purposes, then allowed to drain to wetland areas and to Pahranaagat (Upper and Lower), Frenchie, and Nesbitt Lakes (see Figure 1).

The U.S. Geological Survey (USGS) operates streamflow gaging stations on Crystal and Ash Springs. In addition, the Southern Nevada Water Authority monitors the flow from Hiko Springs through a sonic flow meter installed on an 18-inch diameter discharge pipe located southwest of the spring.

## GROUNDWATER LEVELS

Depths to groundwater in Pahranaagat Valley have been measured by the Nevada Division of Water Resources semi-consistently since the mid 1960's and then consistently since the mid 1980's. Site names and links to their data are as follows (Figure 1):

[209 S03 E60 35DABD1](#)

[209 S03 E62 35DAAD1](#)

[209 S04 E60 02AABC1](#)

[209 S04 E60 02DBDC1](#)

[209 S04 E60 11CCCA1](#)

[209 S04 E60 14BB 2](#)

[209 S04 E61 01 1](#)

[209 S04 E61 01AACB1](#)

[209 S04 E61 28 1](#)

[209 S04 E61 28CD 1](#)

[209 S07 E61 09 1](#)

[209 S07 E61 21AB 1](#)

Groundwater level data have also been collected by the USGS, and may be accessed through their website (<http://nevada.usgs.gov/>).

## METHODS TO ESTIMATE PUMPAGE

This report estimates the amount of groundwater pumped under the permits and certificates issued by the Nevada State Engineer, as well as claims of vested right and exempt domestic wells in the Pahranaagat Valley Hydrographic Basin. The following methods were used to arrive at the estimated use:

- Where totalizing meters are in place, meter readings were taken and compared with previous data (if available).
- Where meters were not in place and the use was irrigation, pumpage was estimated by multiplying the number of hours the well was operated during the past year (determined from an hour meter reading or asking the water user) by the certificated diversion rate.
- Where there are no flow meters or other reliable options for estimating pumpage and the use was irrigation, pumpage was estimated by dividing the Net Irrigation Water Requirement (NIWR) for the crop grown by the efficiency of the irrigation method used, then multiplying by the number of acres irrigated. Irrigation efficiencies associated with three types of irrigation methods are: pivot at 85%; wheel line or other hand moved sprinklers at 75%; and flood at 60%. The pumpage amount estimated by this method was limited by the duty of the permit. For places where the groundwater rights are supplemental to surface water, groundwater use is estimated using the NIWR method above, but is adjusted based on available surface water for the year. Evapotranspiration and NIWR data by basin can be found on the NDWR website at: [http://water.nv.gov/mapping/et/et\\_general.cfm](http://water.nv.gov/mapping/et/et_general.cfm). This approach using the NIWR to estimate pumpage was not used in previous inventories, and pumpage estimates for 2014 may differ significantly from previous year's estimates.
- Where meters were not present, previous data were not available, and the manner of use was not irrigation, pumpage was estimated by applying the annual duty associated with the certificate (if the water right was perfected), permit or claim, if the use was as described in the certificate, permit or claim. If the use was not as described in the certificate, permit or claim, a value was estimated based upon the circumstances of use for the subject year.
- Exempt domestic wells may be drilled and utilized where water service from a purveyor is not available. These types of wells do not require a permit from the State Engineer if they do not pump more than 2 acre-feet per year as provided by Nevada Revised Statutes (NRS) [534.180](#). [NRS 534.013](#) defines this category of domestic use as follows: *"Domestic use or domestic purposes extends to culinary and household purposes directly related to a single family dwelling, including, without limitation, the watering of a family garden and lawn and the watering of livestock and any other domestic animals or household pets."* The number of exempt domestic wells in the basin was determined by a query of the NDWR Well Log Database. The amount of water pumped by exempt domestic wells is estimated to be 1 acre-foot per well in Pahranaagat Valley.

## **PUMPAGE BY MANNER OF USE**

**Note that all data herein are estimates and are subject to revision.**

The total estimated groundwater pumpage for water year 2014 was **5,739 acre-feet**. The annual duties of the certificates, permits and claims of vested right within the Pahranaagat Valley Hydrographic Basin totaled **10,858 acre-feet**. For water year 2014, the appropriated and actual pumped totals are categorized by manner of use:

**A. Irrigation (IRR)**

Appropriations for irrigation purposes totaled 7,575 acre-feet, with estimated groundwater pumpage of 5,195 acre-feet.

**B. Municipal (MUN)**

Appropriations for municipal purposes totaled 1,089 acre-feet, with estimated groundwater pumpage of 280 acre-feet.

**C. Wildlife (WLD)**

Appropriations for wildlife purposes totaled 2,092 acre-feet, with estimated pumpage of 98 acre-feet of groundwater.

**D. Stockwater (STK)**

Appropriations for stockwater purposes totaled 61 acre-feet, with estimated groundwater pumpage of 12 acre-feet.

**E. Commercial (COM)**

Appropriations for commercial purposes totaled 39 acre-feet, with estimated groundwater pumpage of 38 acre-feet.

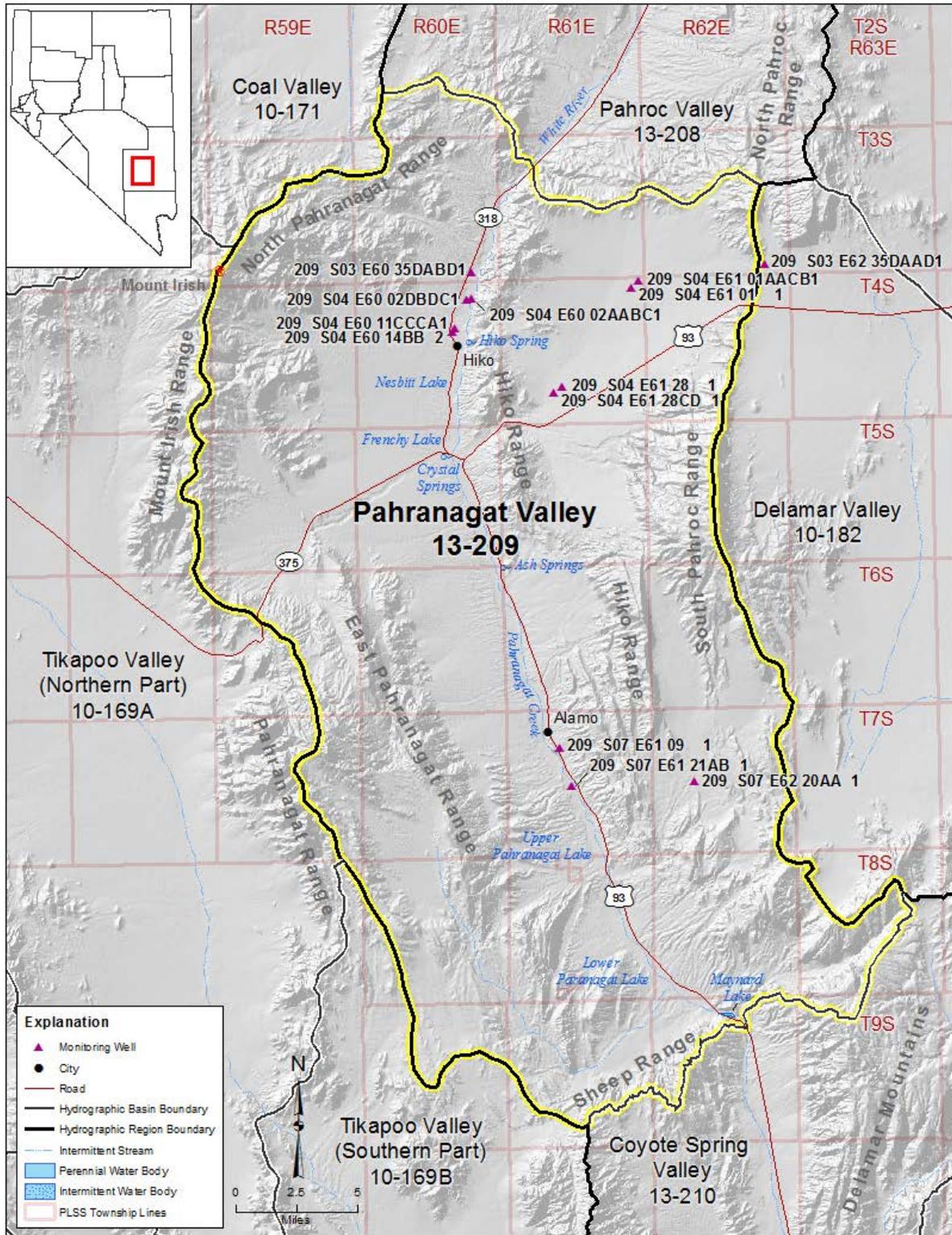
**F. Quasi-Municipal (QM)**

Appropriations for quasi-municipal purposes totaled 2 acre-feet, with estimated groundwater pumpage of 1 acre-foot.

**G. Domestic (DOM)**

Appropriations for domestic purposes totaled 0 acre-feet in the basin. However, records of the State Engineer indicate an estimated 115 exempt domestic wells existed in the basin during water year 2014. The amount of water pumped for domestic use as described under NRS 534.013 is estimated at 115 acre-feet.

**FIGURE 1. PHYSIOGRAPHIC MAP OF PAHRANAGAT VALLEY (HYDROGRAPHIC BASIN 13-209).**

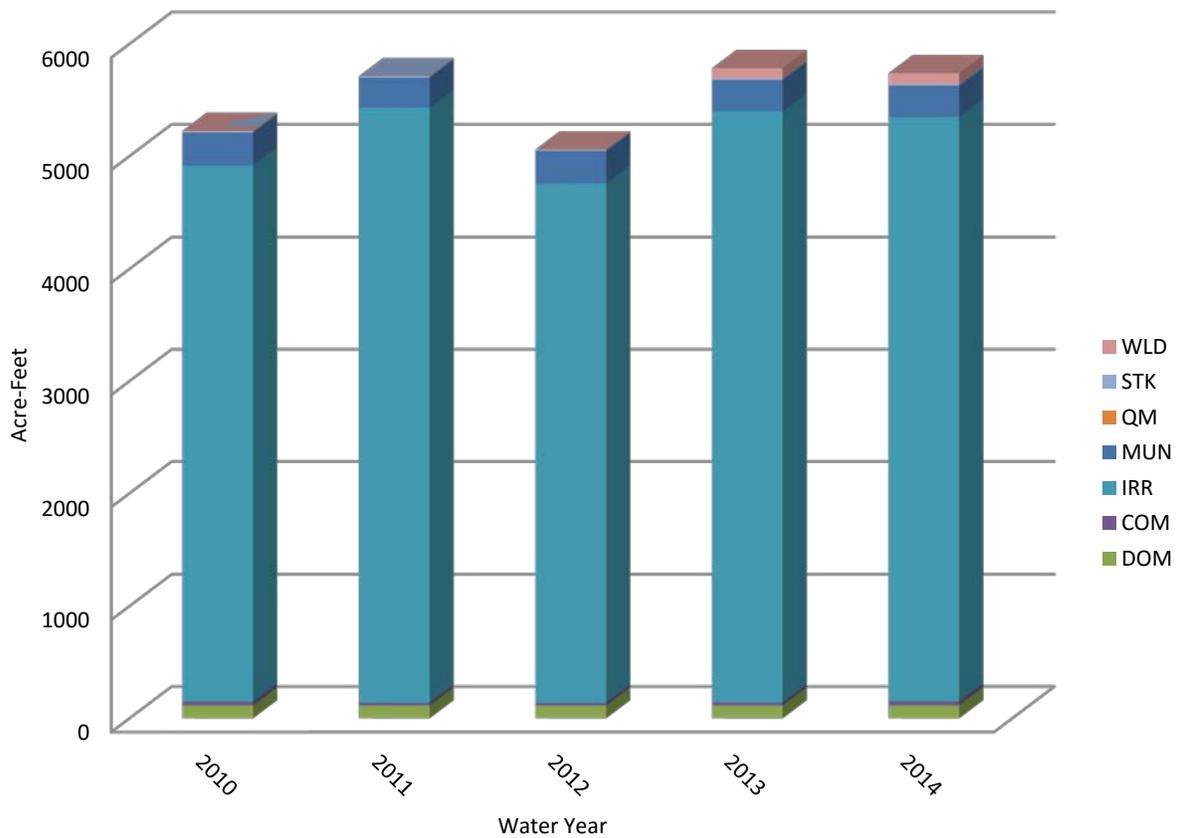


**APPENDIX A. PAHRANAGAT VALLEY HISTORICAL PUMPAGE.**

## HISTORICAL GROUNDWATER PUMPAGE BY MANNER OF USE

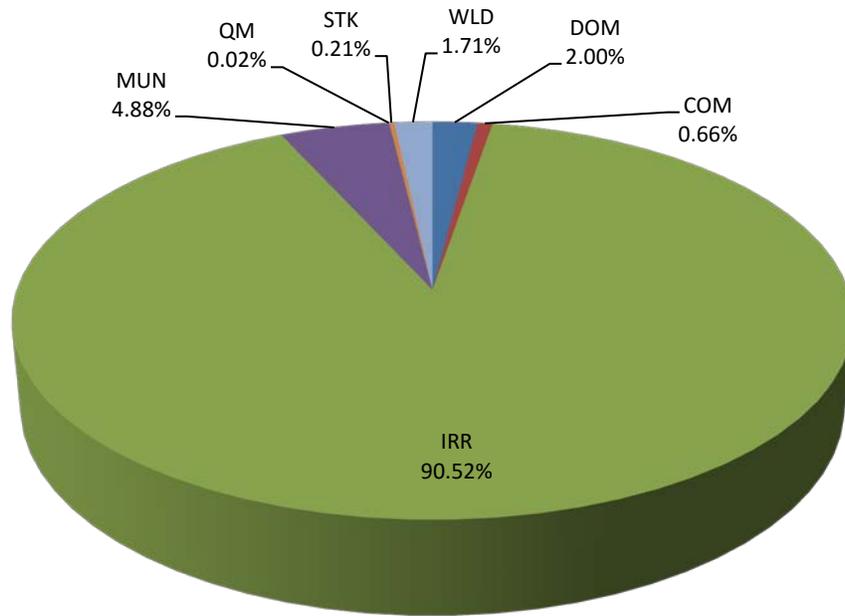
YEAR	COM	DOM	IRR	MUN	QM	STK	WLD	TOTAL
2010	37	114	4765	293	3	13	0	5225
2011	25	114	5291	269	2	12	0	5712
2012	24	114	4618	290	1	12	0	5059
2013	28	114	5258	279	1	12	92	5784
2014	38	115	5195	280	1	12	98	5739

All values are in acre-feet

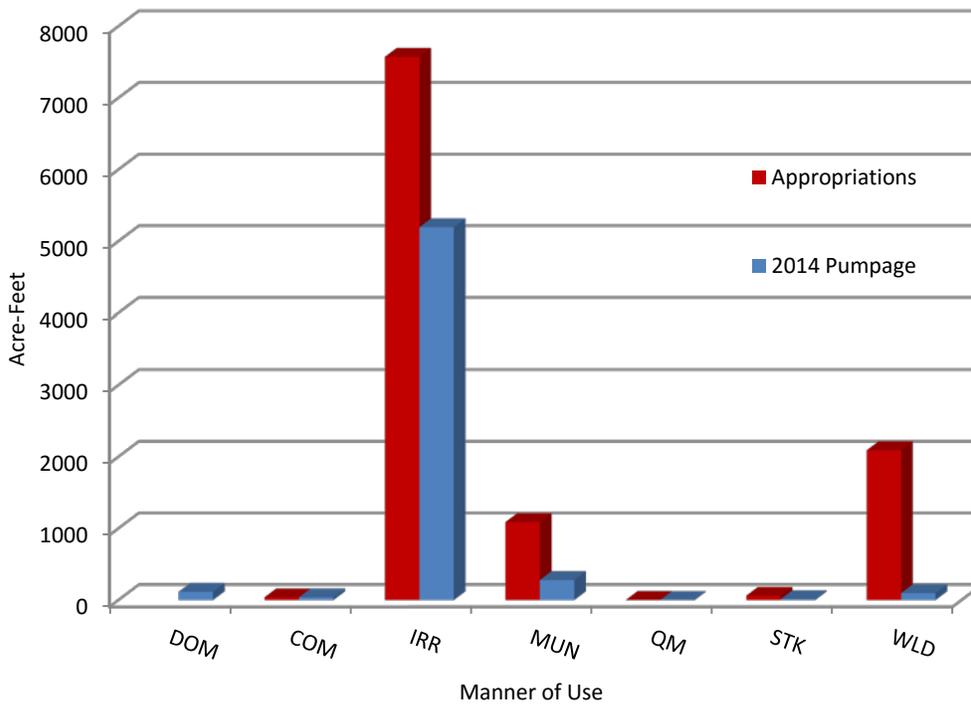


**APPENDIX B. PAHRANAGAT VALLEY GROUNDWATER PUMPAGE FOR  
WATER YEAR 2014 BY MANNER OF USE.**

**PERCENTAGE OF GROUNDWATER PUMPAGE WATER YEAR 2014 BY MANNER OF USE**



**GROUNDWATER PUMPAGE WATER YEAR 2014 APPROPRIATIONS vs. ACTUAL PUMPAGE**



**APPENDIX C. PAHRANAGAT VALLEY GROUNDWATER PUMPAGE  
INVENTORY FOR WATER YEAR 2014.**

## EXPLANATION OF COLUMN HEADINGS FOR GROUNDWATER PUMPAGE INVENTORY

APP NUMBER	The file number of the Application or the Vested Claim of Right.
STATUS	Indicates if the application is a Vested Claim of Right (VST), a Permit (Permit), or a Certificate (Cert).
OWNER OF RECORD	The owner of the water right as recorded in the files of the State Engineer. A water right may have more than one owner of record.
 PLACE OF USE	
QQ	The quarter quarter// of the Section in which the point of diversion is located.
QTR	The quarter of the Section in which the point of diversion is located.
Sec	The Section in which the point of diversion is located.
T	The Township in which the point of diversion is located.
R	The Range in which the point of diversion is located.
 ACRES OR DUTY	 The number of acres that are permitted to be irrigated or the duty if the manner of use is anything other than irrigation.
 ACRES IRR OR USE	 The number of acres irrigated or the manner of use of the appropriated water. The types of manner of use may include: COM - Commercial                      CON - Construction DOM - Domestic                          ENV - Environmental IND - Industrial                          IRR - Irrigation MM - Mining & Milling                  MUN - Municipal OTH - Other                                PWR - Power QM - Quasi-Municipal                  REC - Recreation STK - Stockwater                        STO - Storage WLD - Wildlife
 USED (AF)	 The amount of water used during the water year, in acre-feet, as determined by review of records and/or field investigation.
 REMARKS	 Notes pertaining to field investigation and/or review of records.

**GROUNDWATER PUMPAGE INVENTORY  
PAHRANAGAT VALLEY, NO. 209  
2014**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE					ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS
			QQ	Qtr	Sec	T	R				
V-03154	Proof	Buckhorn Ranch	NW	SE	24	8	61	11.88	STK	0.00	WNV, actual source TBD
V-03155	Proof	Buckhorn Ranch	NW	SE	24	8	61	11.88	STK	0.00	WNV, actual source TBD
V-03160	Proof	Buckhorn Ranch	NW	SE	24	8	61	11.88	STK	0.00	WNV, actual source TBD
V-03161	Proof	Buckhorn Ranch	SE	SE	32	8	62	11.88	STK	0.00	WNV, actual source TBD
V-08964	Proof	Floyd Lamb	NE	SE	21	7	61	0.68	STK	0.00	WNV. 10-09-13
12898	Cert.	Alamo Water&Sewer			1	6	60	1089.10	MUN	280.30	POD 12898: S/N 822412 Well 5
30161	Abr.		12								RD - 3618180 - 11-06-14
30162	Permit		6	6	61						POD 30162: WV, capped
45908	Permit		7								POD 30162: S/N 1379689 Well 3
45909	Permit		18-20								RD - 09891400 - 11-06-14
54514	Permit		29-32								POD 45908: S/N 6979060 Well 6
55533	Permit		1	7	60						RD - 39625000 - 11-06-14
80337	Permit		12								POD 45909: S/N 9661116 Well 4
81758	Permit		4-9	7	61						RD - 75176600 - 11-06-14
			16-17								POD 54514: S/N 0004453 Well 1
			21-22								RD - 39396000 - 11-06-14
		27-28					POD 55533: S/N 9867636 Well 2				
		34-35					RD - 58734400 - 11-06-14				
		2	8	61			POD 80337: S/N M165932612 Sandhill				
		3					RD - 000144520100 - 11-06-14				
		10					POD 81758: S/N M165922612				
		11					RD - 000026590500 - 11-06-14				

**GROUNDWATER PUMPAGE INVENTORY  
PAHRANAGAT VALLEY, NO. 209  
2014**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE					ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS
			QQ	Qtr	Sec	T	R				
19475	Cert.	Schofield	NE	NE	34	4	60	4.50	0.00	<b>1.00</b>	Domestic use
			SE	NE				<u>10.20</u>	<u>0.00</u>		
			<b>TOTAL</b>						14.70		
25906	Cert.	Wildlife Dept.	NE	SE	22	4	60	1.70		<b>80.65</b>	25906 is limited to 405 Ac-Ft 25907 (WLD) is limited to what well can produce, not to exceed diversion rate expanded for 184 days per year, being 405.1 ac-ft/yr. POU Frency & Nesbitt Lakes 25913 is limited to 270 Ac-Ft
25907	Cert.		SE	SE				3.20			
25913	Cert.		NE	SW	23			23.90			
			NW	SW				30.10			
			SW	SW				39.70			
			SE	SW				9.10			
			NW	NW	26			15.70			
NE	NW				<u>0.60</u>						
<b>TOTAL</b>						124.00	124.00				
26638	Cert.	Craig & Annette Turley	SW	SE	8	7	61	10.00	5.00	<b>270.73</b>	Alfalfa, NIWR = 4.4 Well used for 81252-T
81252-T	Exp.		NW	NE	17			40.00	7.30		
			NE	NE				40.00	27.00		
			SE	NE				<u>40.00</u>	<u>13.00</u>		
			<b>TOTAL</b>						130.00		
28296	Cert.	Gifford			32	6	61	29.85	0.00	<b>0.00</b>	

**GROUNDWATER PUMPAGE INVENTORY  
PAHRANAGAT VALLEY, NO. 209  
2014**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE				ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS
			QQ	Qtr	Sec	T				
28642	Cert.	LDS Church	NE	NW	10	5	60	5.00	5.00	
35256	Cert.		SE	NW	10			39.00	39.00	
52120	Abr		NE	SW	10			35.00	17.50	
			NW	NE	10			5.00	3.20	
			SW	NE	10			40.00	20.00	Cert. under 28642 for 120 acres
			NW	SE	10			<u>40.00</u>	<u>20.00</u>	POU includes Davis portion
			<b>TOTAL</b>					164.00	104.70	Alfalfa, NIWR = 4.4
32354	Cert.	Keith Murray	SE	SW	11	4	60	12.44	9.50	
35054	Cert.	Whipple	SW	SW	11			8.89	7.03	
35055	Cert.		NW	NW	14			15.66	15.66	
70990	Permit		NE	NW	14			35.60	35.60	
72770	Permit		SW	NW	14			7.32	7.32	
72771	Permit		SE	NW	14			18.22	18.22	
72772	Permit		SW	NE	14			<u>1.67</u>	<u>1.67</u>	
			<b>TOTAL</b>					99.80	95.00	Alfalfa, NIWR = 4.4
35453	Cert.	Joe V. Higbee	NW	SW	32	6	61	8.00	8.00	
			NE	SW	32			<u>20.00</u>	<u>20.00</u>	Irrigated with surface water.
			<b>TOTAL</b>					28.00	28.00	Credited duty 2.5 Ac-Ft/Ac
35739	Cert.	Charles Wadsworth	NE	NW	23	4	60	20.00		Power meter removed
			NW	NW	23			<u>9.00</u>		
			<b>TOTAL</b>					29.00	0.00	<b>0.00</b>

**GROUNDWATER PUMPAGE INVENTORY  
PAHRANAGAT VALLEY, NO. 209  
2014**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE					ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS
			QQ	Qtr	Sec	T	R				
45759	Cert.	Buckhorn Ranch	NW	NE	21	7	61	27.41	27.41		1.0 acre orchard and garden
52013	Cert.		NE	NE				7.29	7.29		RD - 156192 * 0.001 AF / 10-09-13
			SW	NE				14.68	14.68		RD - 260420 * 0.001 AF / 10-24-14
			SE	NE				<u>38.11</u>	<u>38.11</u>		
			<b>TOTAL</b>					<b>87.49</b>	<b>87.49</b>	<b>104.23</b>	
45761	Cert.	LDS Church	SE	SE	17	7	62	2.24	STK	<b>2.24</b>	No field sheet
48333	Cert.	Frias	SW	NE	32	6	61	10.90	4.00	<b>16.53</b>	Pasture grass, NIWR = 3.1
78099	Permit							13.00	COM	<b>5.63</b>	
48913	Cert.	Spencer	SW	SE	30	6	61	3.45	3.45	<b>17.25</b>	Permitted duty 17.25 Ac-Ft/Yr
53698	Cert.	Lange	NW	NE	31	6	61	5.00	5.00	<b>35.36</b>	RD - 89384900 - 10-9-13 RD - (1)01379000 - 10-24-14
55918	Permit	Whipple	NE	SE	18	6	61	20.00	9.00		
			NW	SE	18			20.00	9.00		
			SE	SE	18			20.00	14.00		
			SW	SE	18			<u>20.00</u>	<u>9.00</u>		
			<b>TOTAL</b>					<b>80.00</b>	<b>41.00</b>	<b>300.67</b>	Alfalfa, NIWR = 4.4
55919	Permit	Whipple	NW	SW	18	6	61				24.6 acres within the described place of use WNV
			NE	SW	18						
			SE	SW	18						
			<b>TOTAL</b>					16	24.60	0.00	

**GROUNDWATER PUMPAGE INVENTORY  
PAHRANAGAT VALLEY, NO. 209  
2014**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE					ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS
			QQ	Qtr	Sec	T	R				
55920	Permit	Whipple	NE	SE	19	6	61	<u>30.40</u> 30.40	0.00	<b>0.00</b>	
56364	Cert.	Lewis	NE	SW	16	7	61	7.97	7.50		7.5 acres NE SW supplemental to decree water @2.5 ac-ft/ac
			NW	SE				<u>1.91</u> 9.88	<u>1.44</u> 8.94	<b>22.35</b>	
59308	Cert.	LDS Church	NE	NW	10	5	60	7.86	STK	<b>7.86</b>	
			SE	NW							
61880	For.	Wilkinson	NE	SW	16	7	61	1.10	0.00	<b>0.00</b>	
62439	Permit	USF&W			2	8	61				62439 is limited to 960.94 Ac-Ft
62440	Permit		10								62440 is limited to 723.8 Ac-Ft
			11								Max 4 Ac-Ft/Yr from all sources
			14								
			15								POD 62439: S/N 94416215 Well 2
			23								RD - 98316500 - 10-24-14
			24								RD - 98316500 - 10-09-13
			25								POD 62440: S/N 133159 Well 1
			31			8	62				RD - 53650000 - 10-24-14
			32								RD - 20372700 - 10-09-13
		4			9	62					
		5									
		<b>TOTAL</b>							WLD	<b>98.09</b>	

**GROUNDWATER PUMPAGE INVENTORY  
PAHRANAGAT VALLEY, NO. 209  
2014**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE					ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS
			QQ	Qtr	Sec	T	R				
62864 68334	Cert. Cert.	Johnson	NE	NE	34	4	60	16.52	16.52	<b>100.00</b>	Permitted Duty 100 Ac-Ft/Yr
63238 67699	Cert. Cert.	Leadership Poss.	NE	NE	31	6	61	19.04	COM	<b>28.52</b>	POD 63238: S/N 9812822 RD - 50771300 - 10-23-12 RD - 54637700 - 10-09-13 RD - 56953000 - 10-24-14 POD 67699: S/N 58024425 RD - 26907100 - 10-23-12 RD - 30140400 - 10-09-13 RD - 37502500 - 10-24-14
67150	Cert.	U.S. Fish and Wild	SE	NE	10	8	61	0.92	QM	<b>1.06</b>	S/N 225949, Installed Nov. 2012 RD - 0235990 - 10-09-13 RD - 0595010 - 10-24-14
68412 78844	Cert. Permit	HT Cabins LLC Windmill Ridge, LLC	SE	SW	06	6	61	7.15	COM	<b>4.06</b>	S/N 49440233 RD - 8151080 - 10-23-12 RD - 9124760 - 10-09-13 RD - (1)0502560 - 10-24-14

**GROUNDWATER PUMPAGE INVENTORY  
PAHRANAGAT VALLEY, NO. 209  
2014**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE					ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS
			QQ	Qtr	Sec	T	R				
69870	Permit	Biggs	NE	SW	16	7	61	3.60	0.00	<b>9.48</b>	See field sheet for mtr readings
70505	Permit	Davis	SW	NW	23	4	60	1.37	1.37	<b>30.29</b>	See field sheet for mtr readings
70509	Cert.	Wright	NW	SE	15	4	61	2.24	STK	<b>2.24</b>	100 cattle. WV, no meter. 10-11-11
74652	Permit	Jensen	SE	NW	16	7	61	1.08	1.08	<b>1.21</b>	See field sheet for mtr readings
74653	Permit	Jensen	NW	NW	16	7	61	1.54	1.54		No use on QM (78582)
78582	Permit		NE	NE	17			<u>1.46</u>	<u>1.46</u>		
			<b>TOTAL</b>					3.00	3.00	<b>12.00</b>	Permitted Duty 12 Ac-Ft/Yr
78891	Permit	Prince	N2	SW	16	7	61	5.00	3.53	<b>1.63</b>	See field sheet for mtr readings
79034	Permit	Stewart - Nevada Enterprises LLC	SE	SE	13	3	60				
79035	Permit		SW	SE							
			NE	NE	24						
			NW	NE							
		<b>TOTAL</b>						25.32	25.32	<b>131.07</b>	Alfalfa, NIWR = 4.4

**GROUNDWATER PUMPAGE INVENTORY  
PAHRANAGAT VALLEY, NO. 209  
2014**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE				ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS	
			QQ	Qtr	Sec	T R					
79132	Permit	Whipple Trust	NE	NW	18	6	61				
80873-T	Exp.		NW	NE						Temporary permit for construction water expired	
			SW	NE							
			NW	SE							
			NE	SE							
			<b>TOTAL</b>					54.20	10.00	<b>125.76</b>	See field sheet for mtr readings
79197	Permit	Herring	NW	NE	17	7	61	0.83	0.83		
			NE	NE				<u>8.55</u>	<u>8.55</u>		
			<b>TOTAL</b>					9.38	9.38	<b>37.52</b>	Permitted Duty 37.52 Ac-Ft/Yr
79484	Permit	Stewart - Nevada	SE	SE	13	3	60	300.28	300.28	<b>1188.81</b>	POD 79484 & 79485: S/N 11-10588
79485	Permit	Enterprises LLC	SW	SW	18	3	61				RD - 694572 X 0.001 AF - 10-9-2013
80627	Abr		W2	NW	19						RD - 949280 X 0.001 AF - 10-24-2014
80628	Abr		NW	SW	19						POD 80627: S/N 11-106310
81872	Permit		SE		24	3	60				RD - (1)515235 X 0.001 AF - 10-9-2013
81873	Permit		NE		24						RD - (2)128485 X 0.001 AF - 10-24-2014
81874	Permit	NE		25						POD 80628: S/N 11-10628	
81875	Permit									RD - (1)079780 X 0.001 AF - 10-9-2013	
										RD - (1)400629 X 0.001 AF - 10-24-2014	

**GROUNDWATER PUMPAGE INVENTORY  
PAHRANAGAT VALLEY, NO. 209  
2014**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE					ACRES OR DUTY	ACRES IRR OR USE	USED (A/F)	REMARKS
			QQ	Qtr	Sec	T	R				
79486	Permit	Stewart - Nevada	E2	SE	35	3	60				
79487	Permit	Enterprises LLC	W2	SW	36						
79488	Permit		W2	NW	1	4	60				
79489	Abr		NW	SW	1						
79490	Permit		SW	SW	1						
81869	Permit		E2	NE	2						
81870	Permit		SW	NE	2						
81871	Permit			SE	2						
			NE	NE	11						
			S2	NE	11						
			SE	NW	11						
			NE	SW	11						
			SE	SW	11						
			NW	SE	11						
			SW	SE	11						
			<b>TOTAL</b>					285.86	285.86	<b>1429.30</b>	See field sheet for mtr readings Permitted Duty 1429.30 Ac-Ft/Yr
									<b>TOTAL</b>	<b>5,521.84</b>	<b>Permitted rights</b>
			N2	14	4	60	0.00	20.00	<b>103.53</b>	Alfalfa, NIWR = 4.4	
									<b>TOTAL</b>	<b>103.53</b>	<b>Non-Permitted rights</b>

Verified with field notes: Christie Cooper

**APPENDIX D. PAHRANAGAT VALLEY GROUNDWATER PUMPAGE  
INVENTORY FIELD NOTES FOR WATER YEAR 2014.**

2014

Pahranagat Valley

**No. 209**

Inventory Field Notes

compiled by

John Guillory, P.E. and Christi Cooper

State of Nevada

Division of Water Resources

Southern Nevada Branch Office

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 19475

WELL: YES  NO

METER SER NO: 05025504

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: 585557 \* .0001 AF

PHOTO: YES  NO

ACRES IRR: 1.0

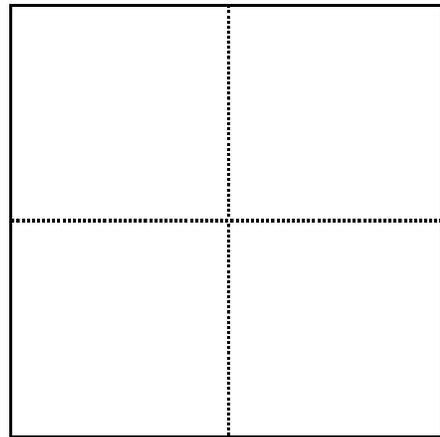
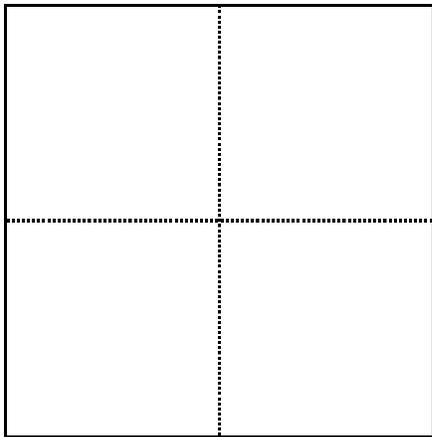
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: Domestic Use.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SIGNATURE: Christi Cooper

DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 25906, 25907 & 25913

WELL: YES  NO  METER SER NO: \_\_\_\_\_

PUMP: YES  NO  PUMP TYPE: Submersible

MOTOR: YES  NO  MOTOR TYPE: \_\_\_\_\_

METER: YES  NO  METER READ: \_\_\_\_\_

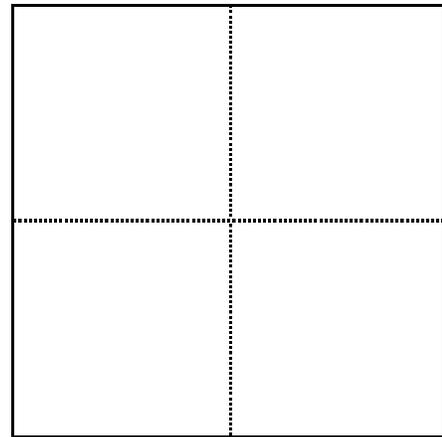
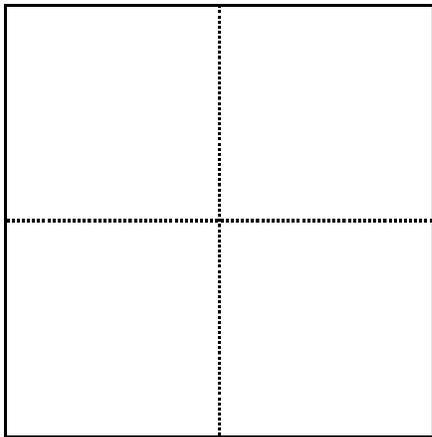
PHOTO: YES  NO  ACRES IRR: 124.0

BENEFICIAL USE: YES  NO  PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: POD 25906 & 25907 (South well): no meter, well pumped approximately  
50 GPM year around per refugee manager.

POD 25913 (North well): not equipped

SIGNATURE: Christi Cooper DATE: 10/24/2014

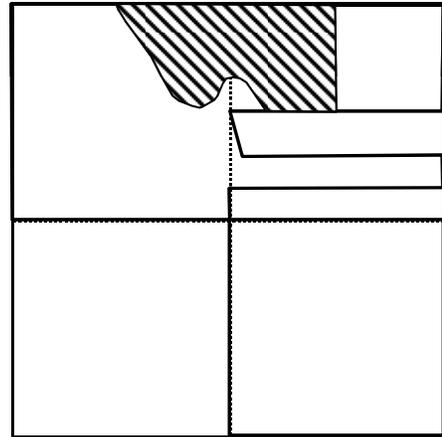
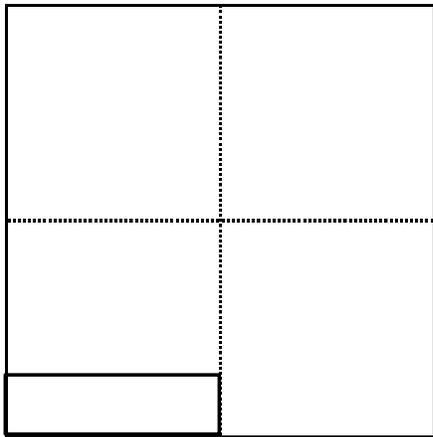
# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 26638  
 WELL: YES  NO  METER SER NO: 13-06029-06  
 PUMP: YES  NO  PUMP TYPE: Straight shaft  
 MOTOR: YES  NO  MOTOR TYPE: Electric  
 METER: YES  NO  METER READ: 119376 x 0.001 AF  
 PHOTO: YES  NO  ACRES IRR: 52.30  
 BENEFICIAL USE: YES  NO  PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

1/4 SE 1/4 SEC 8

1/4 NE 1/4 SEC 17



REMARKS: Acreage adjusted from aerial photo. Acreage irrigated depicted

above from well water; well was also pumped to water tank for dust control.

Alfalfa

SIGNATURE: Christi Cooper

DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 28296

WELL: YES  NO

METER SER NO: \_\_\_\_\_

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: \_\_\_\_\_

PHOTO: YES  NO

ACRES IRR: 0.00

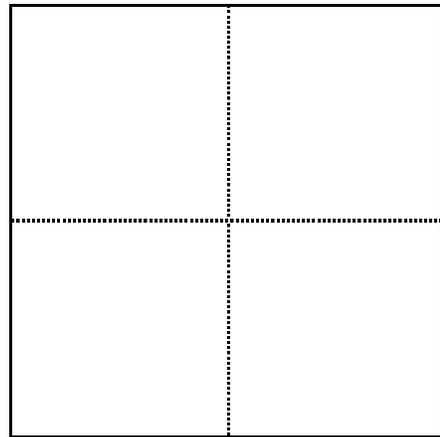
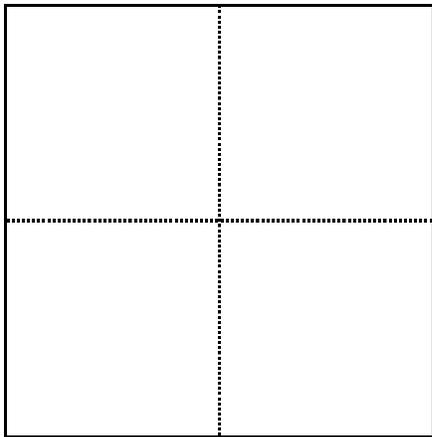
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE \_\_\_\_\_

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SIGNATURE: Christi Cooper

DATE: 10/24/2014

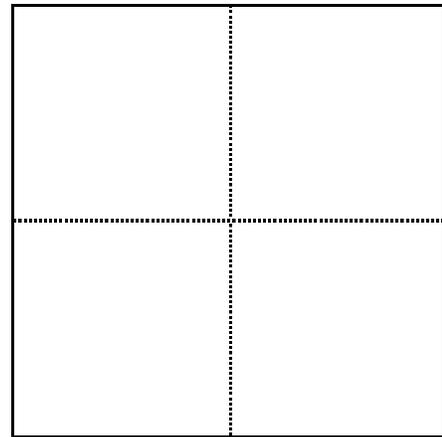
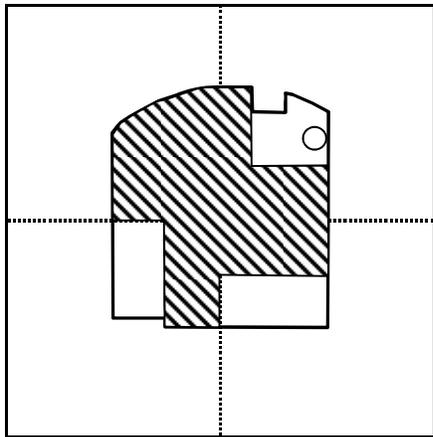
# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 28642, 35256 & 52120  
 WELL: YES  NO  METER SER NO: \_\_\_\_\_  
 PUMP: YES  NO  PUMP TYPE: Submersible  
 MOTOR: YES  NO  MOTOR TYPE: Electric  
 METER: YES  NO  METER READ: \_\_\_\_\_  
 PHOTO: YES  NO  ACRES IRR: 104.7  
 BENEFICIAL USE: YES  NO  PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC 10

     1/4      1/4 SEC     



REMARKS: Alfalfa

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SIGNATURE: Christi Cooper DATE: 10/24/2014



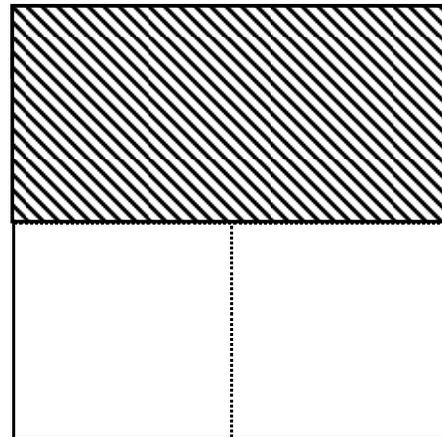
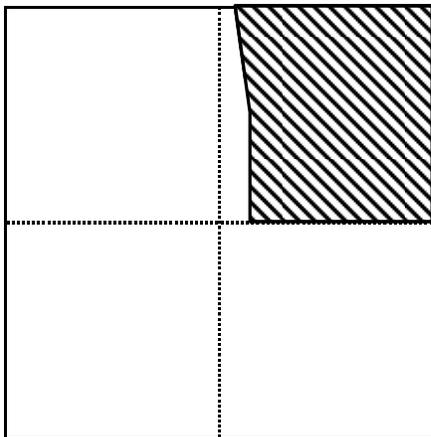
# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 35453  
 WELL: YES  NO  METER SER NO: \_\_\_\_\_  
 PUMP: YES  NO  PUMP TYPE: Submersible  
 MOTOR: YES  NO  MOTOR TYPE: \_\_\_\_\_  
 METER: YES \_\_\_\_\_ NO  METER READ: \_\_\_\_\_  
 PHOTO: YES \_\_\_\_\_ NO  ACRES IRR: 28.0  
 BENEFICIAL USE: YES  NO  PORTION \_\_\_\_\_ ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

NW 1/4 SW 1/4 SEC 32

NE 1/4 SW 1/4 SEC 32



REMARKS: Water used to supplement surface water on a portion

Credit @ 2.5 ac-ft/ac on supplemented portion

SIGNATURE: Christi Cooper

DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 35739

WELL: YES  NO

METER SER NO: \_\_\_\_\_

PUMP: YES  NO

PUMP TYPE: Straight shaft

MOTOR: YES  NO

MOTOR TYPE: Electric

METER: YES  NO

METER READ: \_\_\_\_\_

PHOTO: YES  NO

ACRES IRR: 0.0

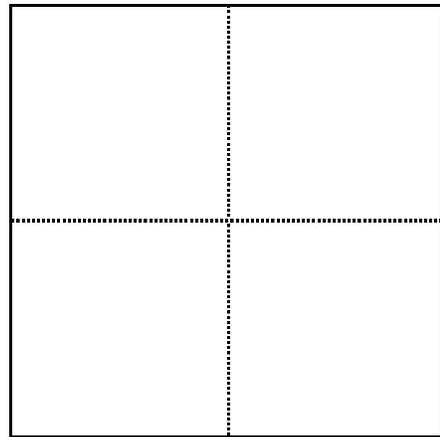
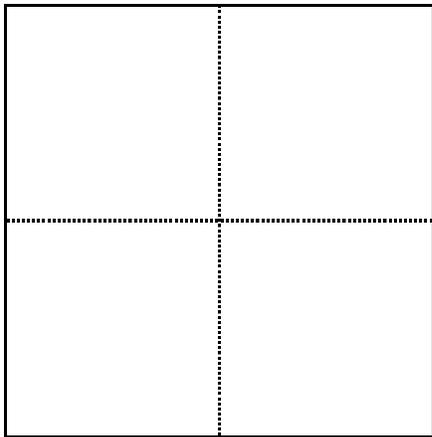
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE \_\_\_\_\_

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: POU irrigated with surface water - power meter for well removed

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SIGNATURE: Christi Cooper

DATE: 10/24/2014

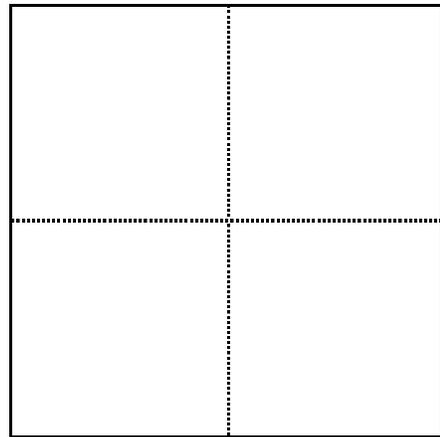
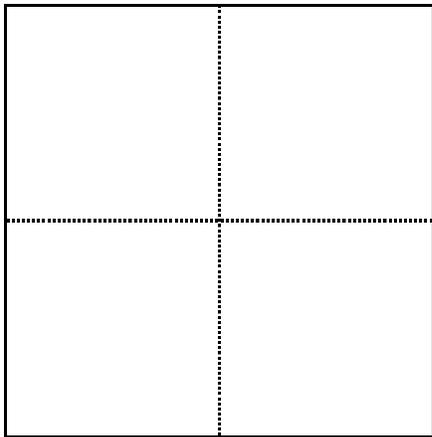
# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 45759 & 52013  
 WELL: YES  NO  METER SER NO: 08-07757-06  
 PUMP: YES  NO  PUMP TYPE: Submersible  
 MOTOR: YES  NO  MOTOR TYPE: Electric  
 METER: YES  NO  METER READ: 260420 \* .001 AF  
 PHOTO: YES  NO  ACRES IRR: 87.49  
 BENEFICIAL USE: YES  NO  PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: Meter reads in acre-feet

Approximately 1.0 acre of the 6.08 acre parcel in NW4 NE4 was irrigated as an orchard and garden. All other acreage irrigated. Portion of irrigation project on Alamo water.

SIGNATURE: Christi Cooper DATE: 10/24/2014

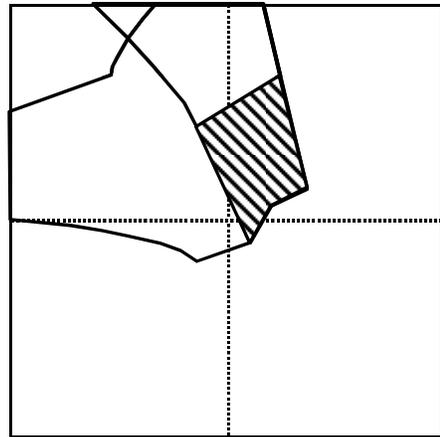
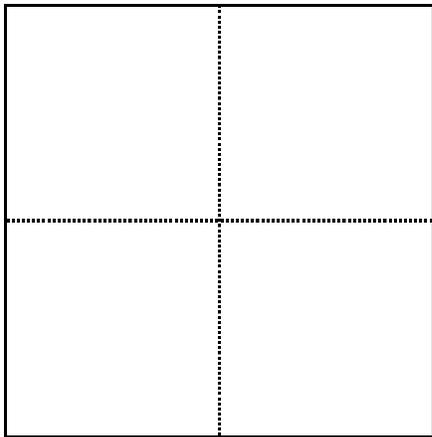
# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 48333 & 78099  
 WELL: YES  NO  METER SER NO: ET4BP768  
 PUMP: YES  NO  PUMP TYPE: Submersible  
 MOTOR: YES  NO  MOTOR TYPE: \_\_\_\_\_  
 METER: YES  NO  METER READ: 01836100  
 PHOTO: YES  NO  ACRES IRR: 4.0  
 BENEFICIAL USE: YES  NO  PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

SW 1/4 NE 1/4 SEC 32



REMARKS: Well down hill behind home and mobile home. Resort in operation.

New Neptune meter installed 6/25/14 with initial reading of zero.

New meter installed when replacement well was drilled.

SIGNATURE: Christi Cooper

DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 48913

WELL: YES  NO

METER SER NO: 22122914

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: 06670900

PHOTO: YES  NO

ACRES IRR: 3.45

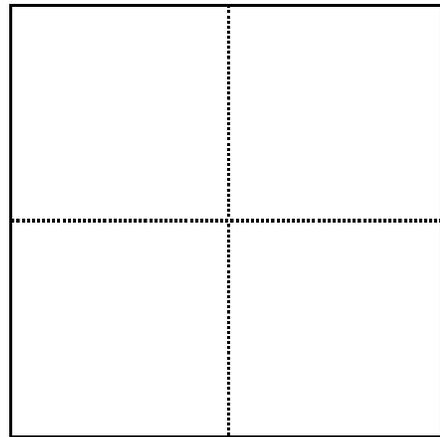
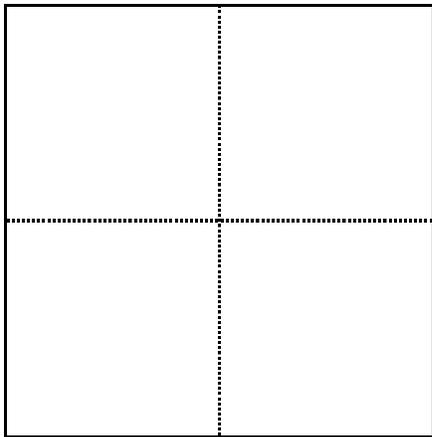
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: Elster meter next to pumphouse.

SIGNATURE: Christi Cooper

DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 53698

WELL: YES  NO

METER SER NO: 62254796

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: (1)01379000

PHOTO: YES  NO

ACRES IRR: 5.0

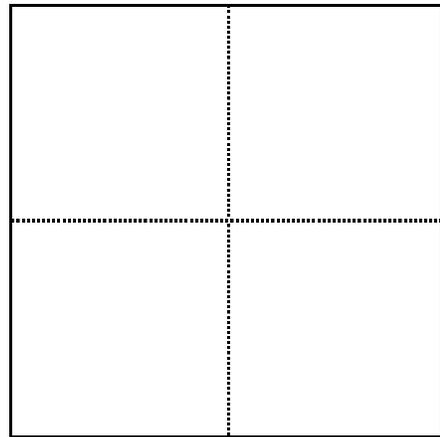
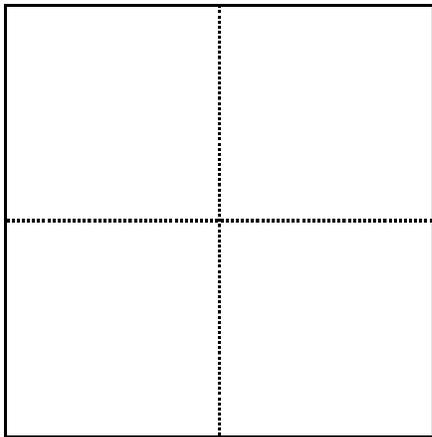
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: 5.0 acres of lawn, pasture and garden with one log home

SIGNATURE: Christi Cooper

DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 55918

WELL: YES  NO

METER SER NO: 090207704

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: 0171782000

PHOTO: YES  NO

ACRES IRR: 41.0

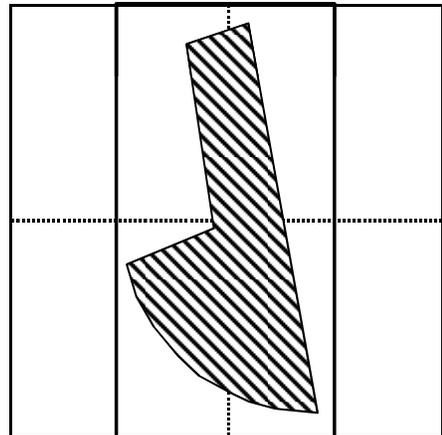
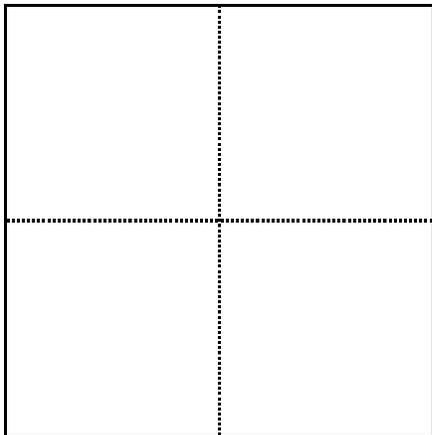
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4 SE 1/4 SEC 18



REMARKS: Meter broken, same meter reading as 2013.

Alfalfa.

SIGNATURE: Christi Cooper

DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 55919

WELL: YES  NO

METER SER NO: \_\_\_\_\_

PUMP: YES  NO

PUMP TYPE: \_\_\_\_\_

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: \_\_\_\_\_

PHOTO: YES  NO

ACRES IRR: 0.0

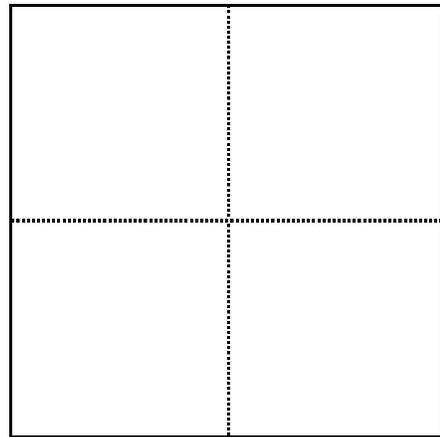
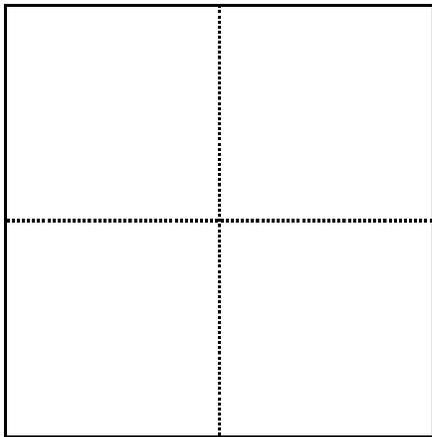
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE \_\_\_\_\_

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: WNV

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SIGNATURE: Christi Cooper

DATE: 10/24/2014

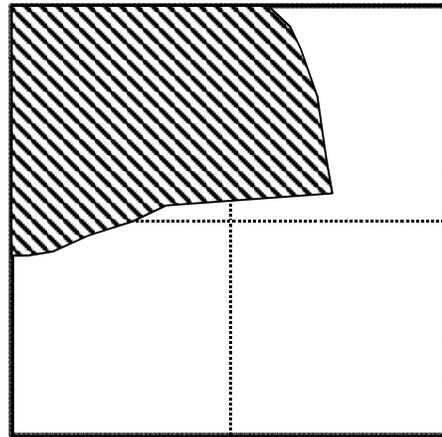
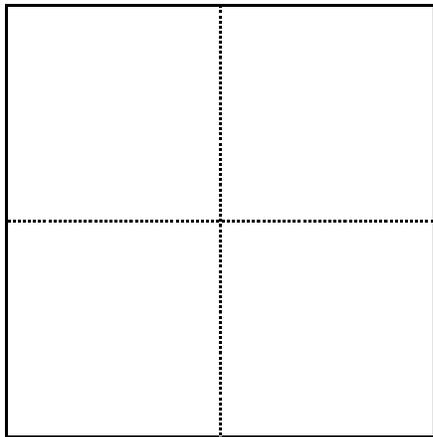
# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 55920  
 WELL: YES  NO  METER SER NO: 09-02076-04  
 PUMP: YES  NO  PUMP TYPE: Submersible  
 MOTOR: YES  NO  MOTOR TYPE: \_\_\_\_\_  
 METER: YES  NO  METER READ: 00002700  
 PHOTO: YES  NO  ACRES IRR: 0.0  
 BENEFICIAL USE: YES  NO  PORTION  ALL  TYPE \_\_\_\_\_

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

NE 1/4 SE 1/4 SEC 19



REMARKS: Previously described well not intended POD. Well not connected.

Area irrigated (approx. 15 acres) as noted on the above map was not irrigated from this POD.

SIGNATURE: Christi Cooper

DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO:           209          

PERMIT NO:           56364          

WELL: YES   X   NO           

METER SER NO:                           

PUMP: YES   X   NO           

PUMP TYPE:           Submersible          

MOTOR: YES            NO           

MOTOR TYPE:                           

METER: YES            NO   X  

METER READ:                           

PHOTO: YES            NO   X  

ACRES IRR:           8.94          

BENEFICIAL USE: YES   X   NO           

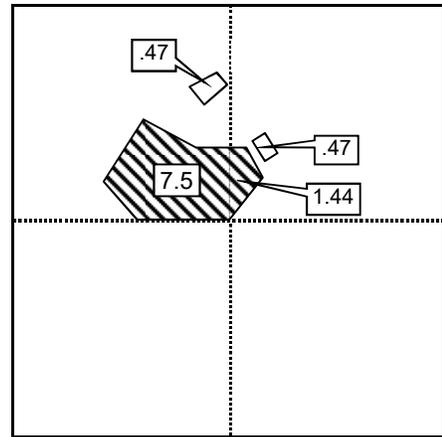
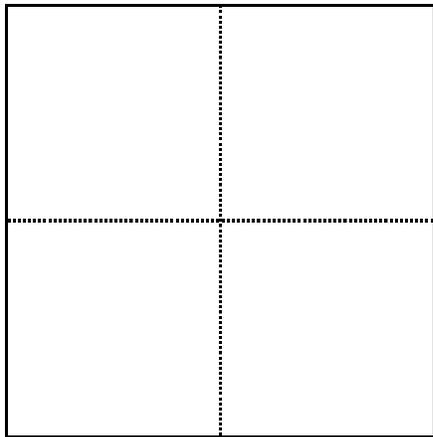
PORTION   X   ALL           

TYPE           Irrigation          

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

           1/4            1/4 SEC           

  E   1/2   SW   1/4 SEC   16    
  W   1/2   SE   1/4 SEC   16  



REMARKS:   Decree land irrigated @ 2.5 ac-ft/ac          

  .47 acre parcel NW4 SE4 and .47 acre parcel NE4 SE4 not irrigated.          

SIGNATURE:           Christi Cooper          

DATE:           10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 59308

WELL: YES  NO

METER SER NO: \_\_\_\_\_

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: \_\_\_\_\_

PHOTO: YES  NO

ACRES IRR: \_\_\_\_\_

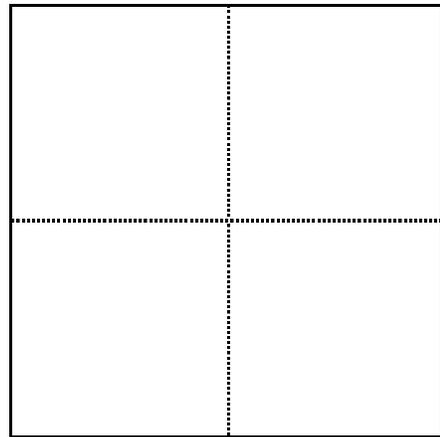
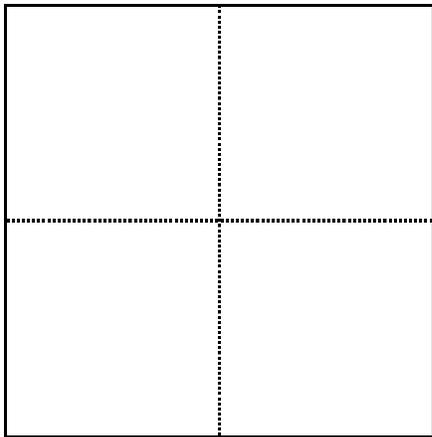
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Stockwater

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: Several head of cattle. No meter.

SIGNATURE: Christi Cooper

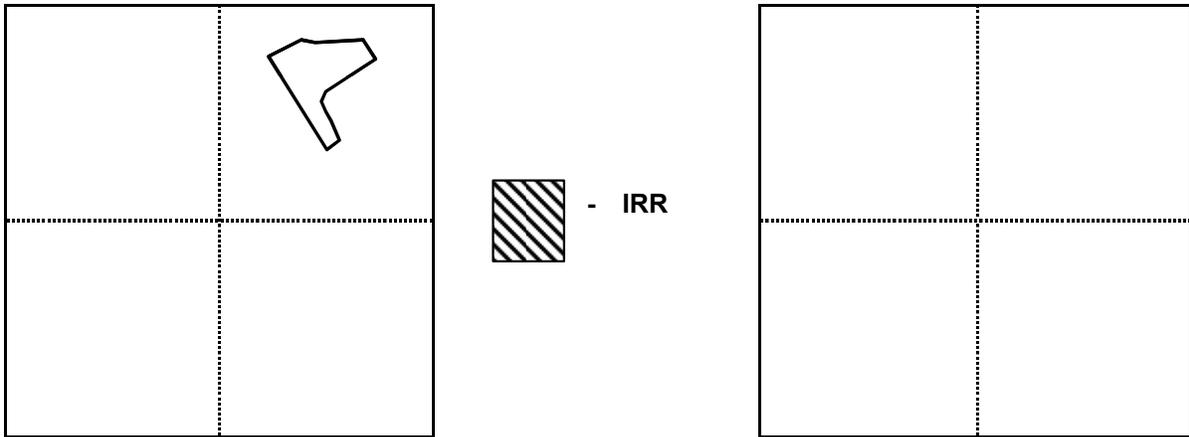
DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 61880  
 WELL: YES  NO  METER SER NO: \_\_\_\_\_  
 PUMP: YES  NO  PUMP TYPE: Submersible  
 MOTOR: YES  NO  MOTOR TYPE: \_\_\_\_\_  
 METER: YES  NO  METER READ: \_\_\_\_\_  
 PHOTO: YES  NO  ACRES IRR: 0.00  
 BENEFICIAL USE: YES  NO  PORTION  ALL  TYPE \_\_\_\_\_

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

NE 1/4 SW 1/4 SEC 16 \_\_\_\_\_ 1/2 \_\_\_\_\_ 1/4 SEC \_\_\_\_\_



REMARKS: Forfieted 09-13-13. Same well as No. 56364

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SIGNATURE: Christi Cooper DATE: 10/24/2014

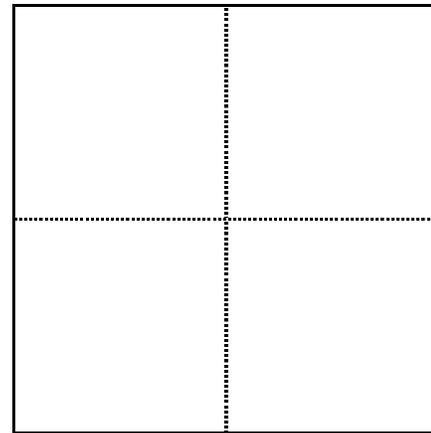
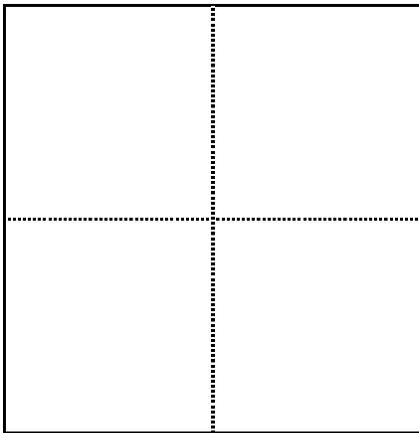
# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 62439 & 62440  
WELL: YES X NO        METER SER NO: See Remarks  
PUMP: YES X NO        PUMP TYPE: Submersible  
MOTOR: YES X NO        MOTOR TYPE:         
METER: YES X NO        METER READ: See Remarks  
PHOTO: YES        NO X ACRES IRR:         
BENEFICIAL USE: YES X NO        PORTION X ALL        TYPE Wildlife

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

       1/4        1/4 SEC       

       1/4        1/4 SEC       



REMARKS: Irrigation of trees during summer and to fill ponds

POD 62439 North well (well No. 2): S/N 94416215, RD- 98316500 -10-24-14, same 2013

POD 62440 South well (well No. 1): S/N 133159, RD- 53650000 -10-24-14

South well meter is approx. 50 feet east of wellhead

SIGNATURE: Christi Cooper

DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 62864 & 68334

WELL: YES  NO

METER SER NO: \_\_\_\_\_

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: \_\_\_\_\_

PHOTO: YES  NO

ACRES IRR: 16.52

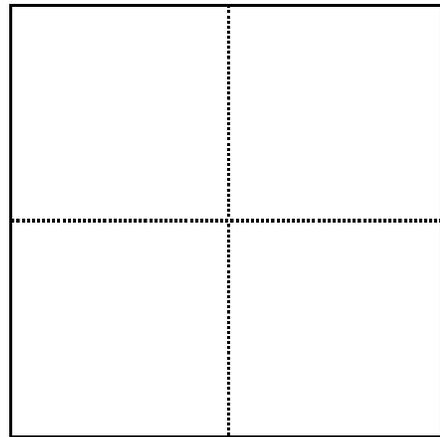
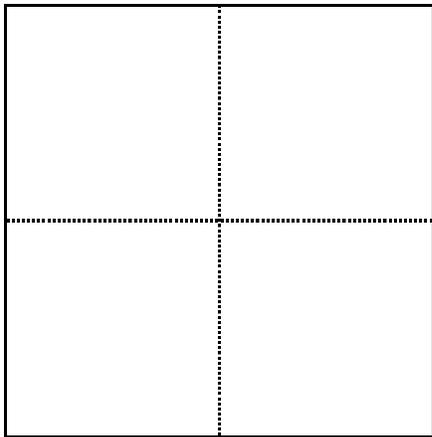
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: POD 68334 : No meter ; POD 62864 WNV

Alfalfa

SIGNATURE: Christi Cooper

DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 67150

WELL: YES  NO

METER SER NO: 225949

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: 0595010

PHOTO: YES  NO

ACRES IRR: \_\_\_\_\_

BENEFICIAL USE: YES  NO

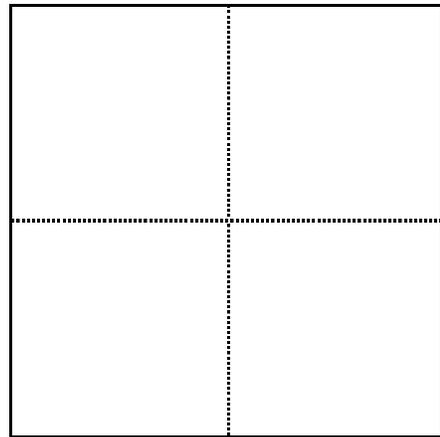
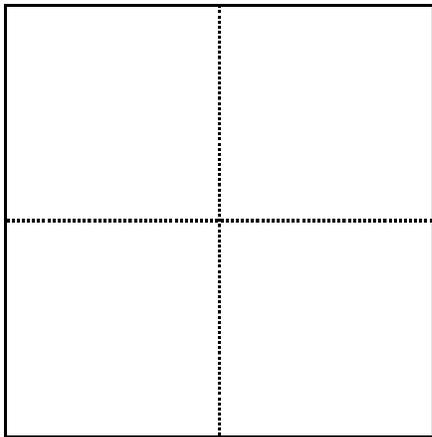
PORTION  ALL

TYPE Quasi-Municipal

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: Not using current meter after 10-23-14.

New meter in R.O. house SN 2315002 ; RD 0053380; 10-24-14.

Two pumps in well; one serves fire hydrant and other serves R.O. house and tank.

SIGNATURE: Christi Cooper

DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 69870

WELL: YES  NO

METER SER NO: 70807806

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: 06331500

PHOTO: YES  NO

ACRES IRR: 0.0

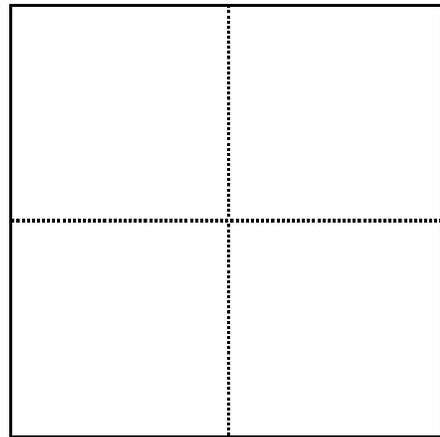
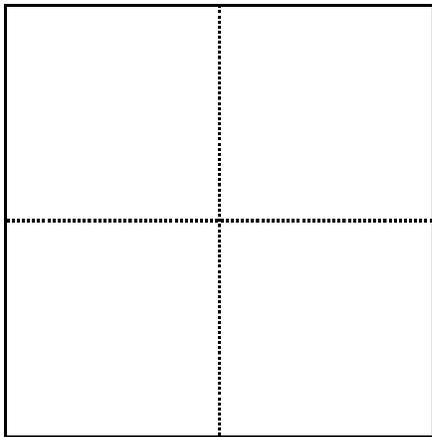
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE \_\_\_\_\_

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: Dust control for arenas

RD - 03116600 - 10-9-13

SIGNATURE: Christi Cooper

DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 70505

WELL: YES  NO

METER SER NO: 71081638

PUMP: YES  NO

PUMP TYPE: \_\_\_\_\_

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: 29214200

PHOTO: YES  NO

ACRES IRR: 1.37

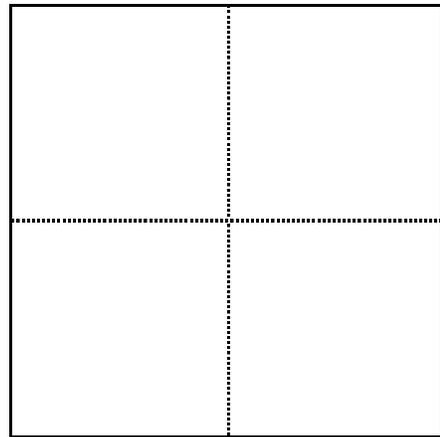
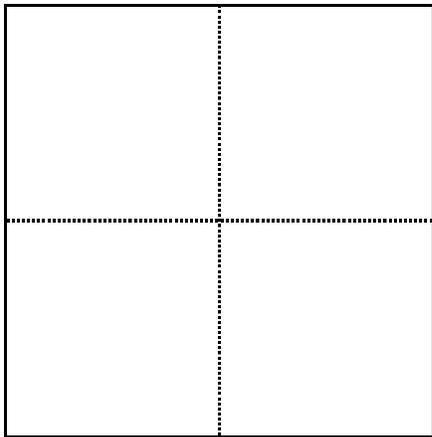
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: RD- 18938900 - 10-9-13

SIGNATURE: Christi Cooper

DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 74652

WELL: YES  NO

METER SER NO: 10-005401

PUMP: YES  NO

PUMP TYPE: \_\_\_\_\_

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: 02263200

PHOTO: YES  NO

ACRES IRR: 1.08

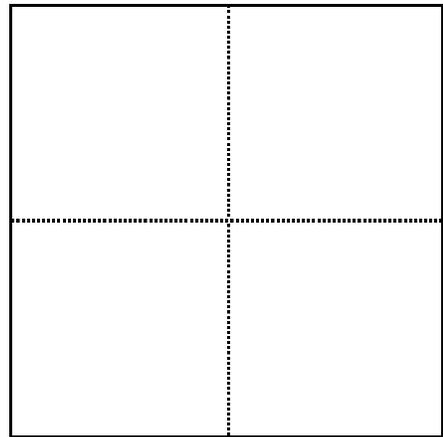
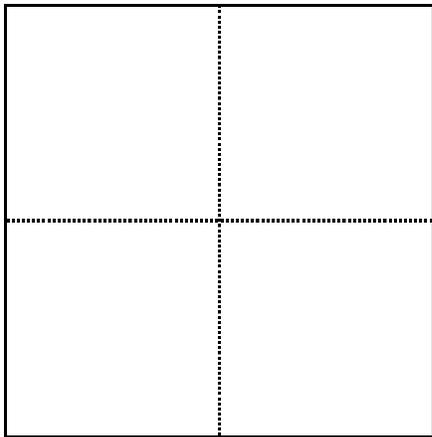
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: Well east of house

RD- 01853500 -10-9-13

SIGNATURE: Christi Cooper

DATE: 10/14/2014

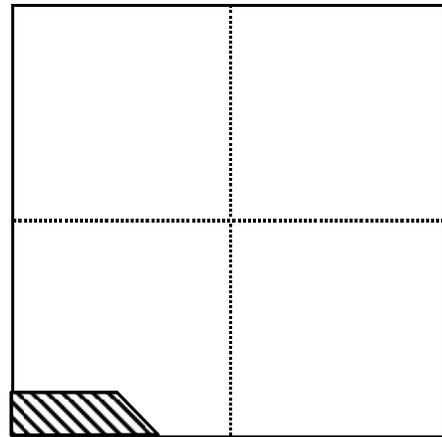
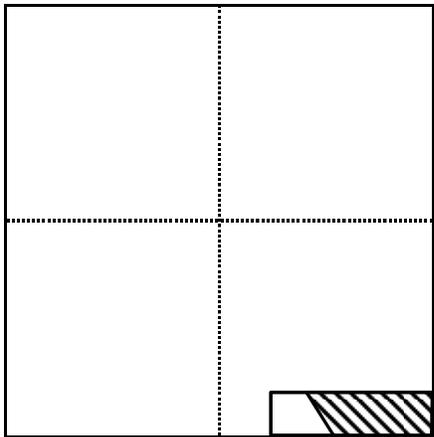
# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 74653 & 78582  
 WELL: YES  NO  METER SER NO: \_\_\_\_\_  
 PUMP: YES  NO  PUMP TYPE: \_\_\_\_\_  
 MOTOR: YES  NO  MOTOR TYPE: \_\_\_\_\_  
 METER: YES  NO  METER READ: \_\_\_\_\_  
 PHOTO: YES  NO  ACRES IRR: 3.00  
 BENEFICIAL USE: YES  NO  PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

NE 1/4 NE 1/4 SEC 17

NW 1/4 NW 1/4 SEC 16



REMARKS: Well has 2 meters.

74653: S/N 10-005402, RD - 08026100 - 10-24-14

78582: S/N 10-0008495, RD - 3015020 - 10-24-14

Meters broken, well pumping but meters not moving.

SIGNATURE: Christi Cooper

DATE: 10/24/2014

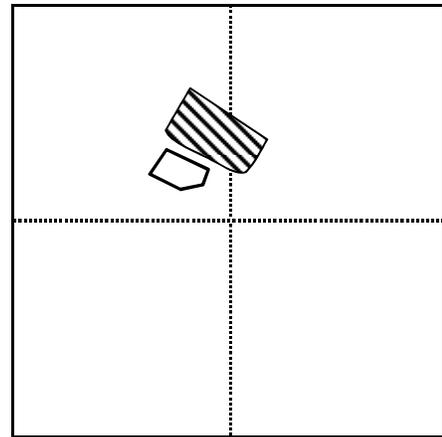
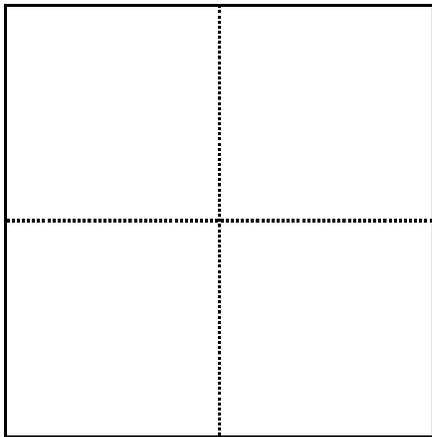
# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 78891  
 WELL: YES  NO  METER SER NO: 47281155  
 PUMP: YES  NO  PUMP TYPE: Submersible  
 MOTOR: YES  NO  MOTOR TYPE: \_\_\_\_\_  
 METER: YES  NO  METER READ: 19365300  
 PHOTO: YES  NO  ACRES IRR: 3.53  
 BENEFICIAL USE: YES  NO  PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4 **SW** 1/4 SEC **16**



REMARKS: RD - 18812600 - 10-09-13

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SIGNATURE: Christi Cooper DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 79034 & 79035

WELL: YES  NO

METER SER NO: 11-00769-04

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: 76500 \* .001 AF

PHOTO: YES  NO

ACRES IRR: 25.32

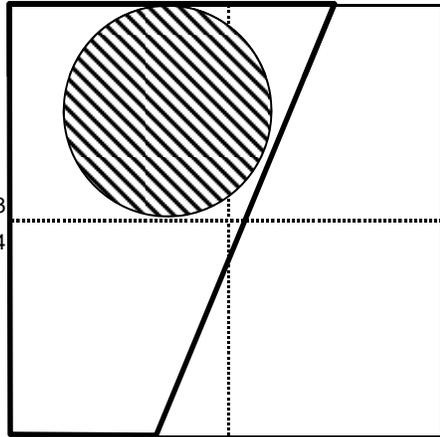
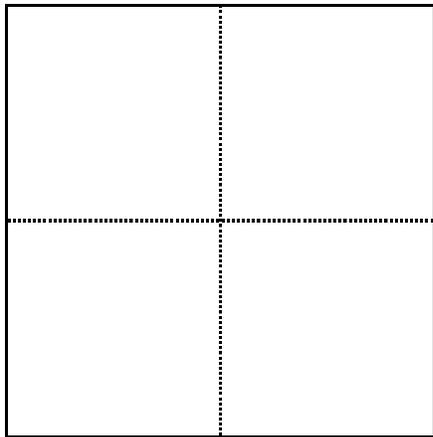
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

**S2** 1/4 **SE** 1/4 SEC **13**  
**N2** 1/4 **NE** 1/4 SEC **24**



REMARKS: Alfalfa

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SIGNATURE: Christi Cooper

DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 79132 & 80873-T

WELL: YES  NO

METER SER NO: 090207504

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: 0088698000

PHOTO: YES  NO

ACRES IRR: 10.0

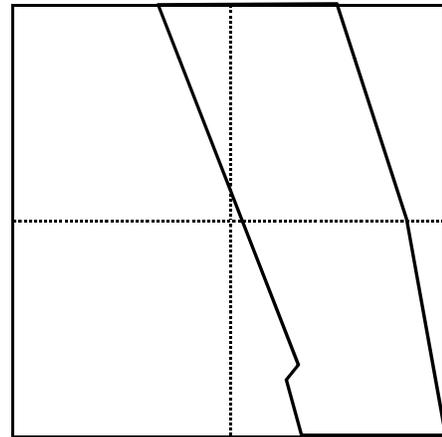
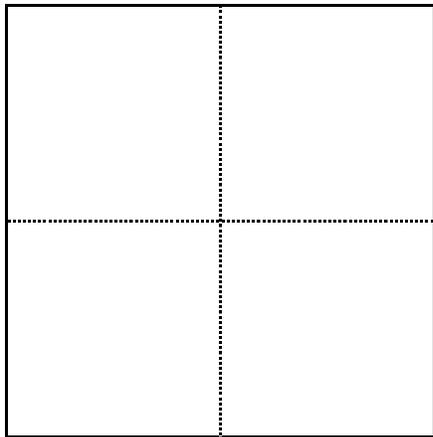
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

  E   1/2   NW   1/4 SEC   18    
  W   1/2   NE   1/4 SEC   18  



REMARKS: RD - 0046034000 - 10-9-13

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SIGNATURE: Christi Cooper

DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 79197

WELL: YES  NO

METER SER NO: 09012877

PUMP: YES  NO

PUMP TYPE: Submersible

MOTOR: YES  NO

MOTOR TYPE: \_\_\_\_\_

METER: YES  NO

METER READ: \_\_\_\_\_

PHOTO: YES  NO

ACRES IRR: 9.38

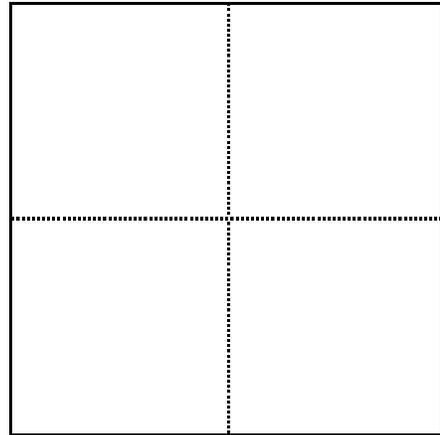
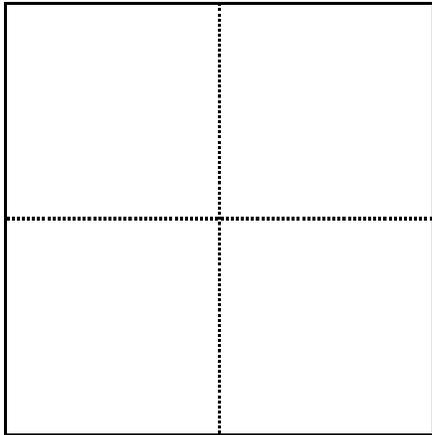
BENEFICIAL USE: YES  NO

PORTION  ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

     1/4      1/4 SEC     

     1/4      1/4 SEC     



REMARKS: 4.0 AF/acre. Meter has moisture inside face, can not read meter.

SIGNATURE: Christi Cooper

DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

79484, 79485,  
81872, 81873,  
81874 & 81875

BASIN NO: 209

PERMIT NO: \_\_\_\_\_

WELL: YES  NO \_\_\_\_\_

METER SER NO: See Remarks

PUMP: YES  NO \_\_\_\_\_

PUMP TYPE: Straight shaft

MOTOR: YES  NO \_\_\_\_\_

MOTOR TYPE: Electric

METER: YES  NO \_\_\_\_\_

METER READ: See Remarks

PHOTO: YES \_\_\_\_\_ NO

ACRES IRR: 300.28

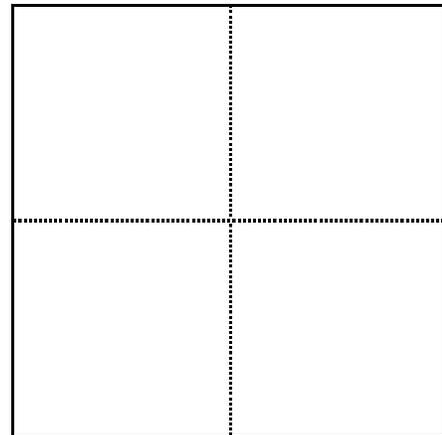
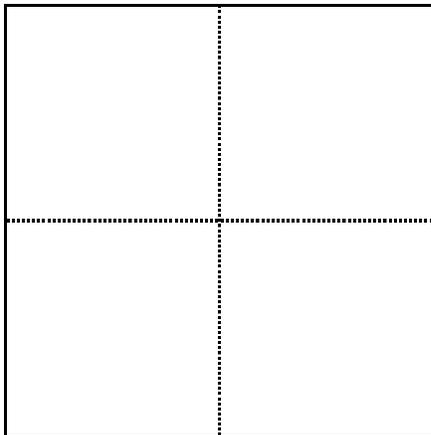
BENEFICIAL USE: YES  NO \_\_\_\_\_

PORTION \_\_\_\_\_ ALL  TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

\_\_\_\_ 1/4 \_\_\_\_ 1/4 SEC \_\_\_\_

\_\_\_\_ 1/4 \_\_\_\_ 1/4 SEC \_\_\_\_



REMARKS: Mostly corn, 1 pivot of alfalfa.

POD 80627: S/N GP11-1063-10; RD - (2)128485 x 0.001 AF - 10-24-14

POD 80628: S/N GP11-1062-8; RD - (1)400629 x 0.001 AF - 10-24-14

POD 79484 & 79485: S/N GP11-1058-8; RD - 949280 x 0.001 AF - 10-24-14

SIGNATURE: Christi Cooper

DATE: 10/24/2014

# PUMPAGE INVENTORY FIELD REPORT

79486, 79487, 79488  
79490, 81869,  
81870 & 81871

BASIN NO: 209

PERMIT NO: \_\_\_\_\_

WELL: YES X NO \_\_\_\_\_

METER SER NO: See Remarks

PUMP: YES X NO \_\_\_\_\_

PUMP TYPE: Straight shaft

MOTOR: YES X NO \_\_\_\_\_

MOTOR TYPE: Electric

METER: YES X NO \_\_\_\_\_

METER READ: See Remarks

PHOTO: YES \_\_\_\_\_ NO X

ACRES IRR: 285.86

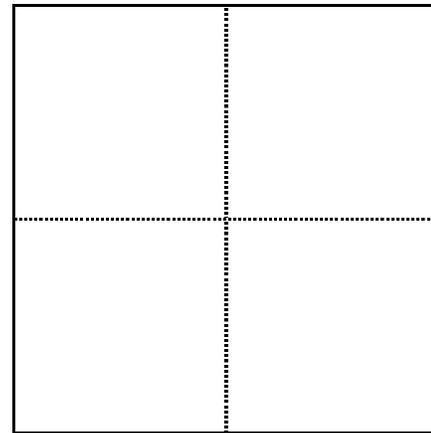
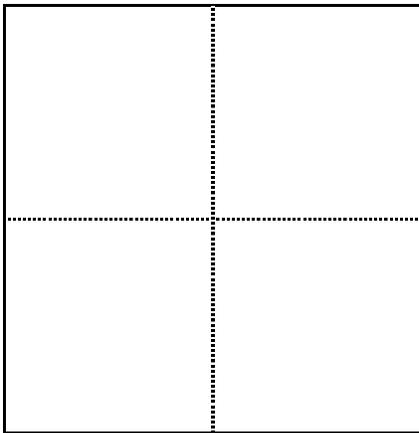
BENEFICIAL USE: YES X NO \_\_\_\_\_

PORTION \_\_\_\_\_ ALL X TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

\_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 SEC \_\_\_\_\_

\_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 SEC \_\_\_\_\_



REMARKS: POD 79486 & 87: S/N GP11-1060-10; RD - (1)725238 x 0.001 AF - 10-24-14

POD 79488: S/N GP11-1059-8; RD - (1)169608 x 0.001 AF - 10-24-14

POD 79489: S/N 14-13295-10; RD - 552854 x 0.001 AF - 10-24-14; new meter

POD 79490: S/N GP11-1057-6; RD - 719322 x 0.001 AF - 10-24-14

SIGNATURE: Christo Cooper

DATE: 10/24/2014